



# Undergraduate Catalog

## 2007-2008

This catalog was posted on the Georgia State University Website in March, 2007. It contains the original, general information submitted by various editors from Georgia State's academic and administrative community for the 2007-2008 academic year.

**NOTE:** Academic and administrative policy, structure, website URLs, e-mail addresses, and telephone numbers are subject to change during the academic year. Such changes will not be reflected in this catalog. To **view the most recent catalog updates** for the 2007-2008 academic year, visit "Catalog Addendums" online at [http://www.gsu.edu/es/catalogs\\_courses.html](http://www.gsu.edu/es/catalogs_courses.html).

Print and CD copies of this catalog are available for a fee in the Georgia State Information Systems & Technology Operations (IS&T) Print Shop located in the Library South Building, Room 103, Ground Floor. Call 404/413-4413 for details.

**W**elcome to Georgia State University. Located in the heart of downtown Atlanta, Georgia State is one of the country's leading urban research universities. I believe the formula for a premier university is great students, great faculty and staff and great facilities. You'll find it all here at Georgia State.

Our student body is the best qualified and most diverse in our history. More than 40,000 students are seeking degrees at Georgia State, and more than 26,000 of them are on campus each semester. Students come to our campus from every county in Georgia, every state in the nation and more than 145 countries.

Georgia State continues to attract and retain outstanding faculty and administrative personnel who are well respected in their fields. We offer a challenging intellectual environment with 52 undergraduate and graduate degree programs in more than 250 fields of study. Opportunities for involvement in innovative research projects and life enhancing community service abound on our campus.

To keep pace with growth, we introduced our Main Street Master Plan in 1997. Every project we imagined as a part of the decade spanning plan is now either built or underway. The plan focused on creating a vibrant, inviting campus where students can learn, live and work. Visible signs of the plan's success include our Rialto Center for the Performing Arts, Student Center, Student Recreation Center, Helen M. Aderhold Learning Center and University Lofts.

In 2006, we updated our university master plan to guide our growth for the next decade. For this updated plan, our central vision continues from the 1997 plan. We want to create a sense of place at Georgia State. We want Georgia State to be intertwined with the city, but still feel like a university campus. We are busy working on many exciting changes for the future that will enhance Georgia State's ability to meet the needs of those we serve.

I invite you to explore Georgia State. Whether you're a prospective student, a community partner or one of our more than 160,000 alumni, Georgia State is your resource for a lifetime. Visit our campus or our website at <http://www.gsu.edu>. You're always welcome at Georgia State.



Carl V. Patton

A handwritten signature of Carl V. Patton in cursive script. The signature is written in dark ink and is positioned below the printed name.

President

## About this Catalog

This catalog provides information regarding all of the undergraduate programs offered by Georgia State University during the 2007-2008 academic year. Please refer to the *Georgia State University Graduate Catalog 2007-2008* for information concerning all of the graduate programs offered by Georgia State University during the academic year.

The statements made in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and this institution.

This catalog can be accessed online at [http://www.gsu.edu/es/catalogs\\_courses.html](http://www.gsu.edu/es/catalogs_courses.html).

Although Georgia State University has made every reasonable effort to present the information contained in this catalog with factual accuracy, no responsibility is assumed by the university for editorial or clerical errors. At the time of production and posting to the website, the text of this catalog most accurately described the course offerings, programs, faculty listings, policies, procedures, regulations, and requirements of the university. While the provisions of this catalog will ordinarily be applied as stated, Georgia State University reserves the right to change any provision listed in this catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available online at <http://www.gsu.edu/es/21598.html>. Changes by colleges are also available in the Office of the Dean. It is the student's individual responsibility to be aware of current graduation requirements for his or her particular degree program.

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Enrollment Services

## Calendars

Please refer to the Georgia State University "Georgia State Calendar" webpage at [http://www.gsu.edu/main\\_calendar.html](http://www.gsu.edu/main_calendar.html) for the most up-to-date university calendars.

This catalog applies to students who start at Georgia State in one of the following three semesters: Fall 2007, Spring 2008 or Summer 2008. It also applies to students who make a change in their status or degree program during this time and are required to change catalog editions.

The academic calendar for the Intensive English Program is online at <http://www2.gsu.edu/~wwwiep/program/semester.html>.

## Quick Reference Directory

### Academic Assistance:

**Andrew Young School of Policy Studies**  
14 Marietta Street 404/413-0021

**College of Arts and Sciences**  
724 General Classroom 404-413-3500

**College of Education**  
300 College of Education 404-413-8000

**College of Health and Human Sciences**  
811 Urban Life 404-413-1000

**College of Law**  
200 Sparks Hall 404/413-9200

**J. Mack Robinson College of Business**  
315 Robison College of Business 404-413-7117

### General Assistance:

**Campus Information**  
Operator 404/413-2000

**Dean of Students**  
300 Student Center 404/413-1515

**International Services Programs**  
310 Student Center 404/413-2529

**Recreation Center**  
200 Recreation Center 404/413-1780

### **Enrollment Services:**

<http://www.gsu.edu/es/index.html>

Admissions  
Academic Advisement  
Financial Aid  
Records and Registration  
One Stop Shop  
Student Accounts

## Directions to Georgia State University

**I-75/I-85 Southbound** - Exit #249A (Courtland Street) is a one-way street that leads to the Georgia State campus.

**I-75/I-85 Northbound** - Exit #246 (Central Avenue/Fulton Street). Follow the signs to Fulton Street. At the light at the end of the ramp, turn right on Fulton. At the next light, turn left on Capitol Avenue. After crossing MLK Jr. Drive, Capitol Avenue becomes Piedmont Avenue and passes through the Georgia State campus.

**I-75/85 Northbound H.O.V. (High Occupancy Vehicle)** - Exit at Memorial Drive. At first light, go straight and you will be on Central Avenue that leads to the Georgia State campus.

**I-20 Eastbound** - Exit #56B (Windsor/Spring Street), go straight to the third traffic light. Take a left on Central Avenue that leads to the Georgia State campus.

**I-20 Westbound** - Exit #58A (Capitol Avenue) and turn right at the light. Stay on Capitol which changes to Piedmont Avenue and leads to the Georgia State campus.

**MARTA** - Take East/West Rapid Rail Line to the Georgia State Station. Exit station onto Piedmont Avenue and turn right.

Visit the following site to download or print the GSU campus map:

<http://www.gsu.edu/map.html>

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# 1000 University Information

Georgia State University is the embodiment of an idea: A great university is accessible, responsive, and relevant. This combination provides Georgia State students with many advantages.

**Accessibility** at Georgia State has many aspects. One is **physical accessibility**. The compact central campus in downtown Atlanta is within walking distance of thousands of offices and downtown living spaces and is but a short distance from major thoroughfares, interstates, and the many MARTA rapid-transit routes that feed the center of the city. The Georgia State MARTA station is adjacent to a campus at the very heart of the cultural, financial, legal, government, health-care, retail, and convention centers of Atlanta.

The downtown location provides a special advantage for students pursuing internships, which often lead to full-time careers upon graduation.

Georgia State is **financially accessible**. The university offers a first-rate education in a very broad spectrum of disciplines at very competitive fees, an excellent value in today's educational marketplace. More than \$90 million in scholarships, financial aid, and workstudy programs is provided annually.

The university is **responsive** to students' career goals, providing undergraduate and graduate degree programs in over 200 fields of study through its six college-level units: the College of Arts and Sciences, the J. Mack Robinson College of Business, the College of Education, the College of Health and Human Sciences, the College of Law, and the Andrew Young School of Policy Studies. Each term, courses are taught day and evening, and students may study full or part time. Many programs may be entered any term of the year.

Georgia State's degree programs are highly respected and well recognized for their quality. Furthermore, they are *relevant* to the practical needs of both the student and the community. Most were designed with the input of community and industry advisory groups: **A Georgia State University education is authentic preparation for success in today's world.**

Georgia State — a premier urban research institution — is the second largest of Georgia's 80 accredited institutions of higher learning and enrolls some 27,000 students each fall — 10 percent of all students in higher education in the state. Students come from every county in Georgia, every state in the union, and over 100 other nations. Georgia State has a diverse student body with 56 percent being white, 29 percent African American, 8 percent Asian American, 4 percent mixed ethnic, 3 percent Hispanic American, and 0.3 percent American Indian.

## 1010 Mission

As the only urban research university in Georgia, Georgia State University offers educational opportunities for traditional and nontraditional students at both the graduate and undergraduate levels by blending the best of theoretical and applied inquiry, scholarly and professional pursuits, and scientific and artistic expression. As an urban research university with strong disciplinary-based departments and a wide array of problem-oriented interdisciplinary programs, the goal of the university is to develop, transmit, and utilize knowledge in order to provide access to quality education for diverse groups of students, to educate leaders for the State of Georgia and the nation, and to prepare citizens for lifelong learning in a global society.

## 1020 Accreditation

Georgia State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; 404/679-4501) to award bachelor's, master's, educational specialist, and doctoral degrees. Specialized accreditations for specific academic programs are listed in the college chapters of this catalog.

## 1030 Degrees and Certificates Offered by Georgia State

### 1030.10 Andrew Young School of Policy Studies

|                                                    |                         |
|----------------------------------------------------|-------------------------|
| Economics .....                                    | B.A., B.S., M.A., Ph.D. |
| Disaster Management .....                          | G.Cert.                 |
| International Economics and Modern Languages ..... | B.A.                    |
| Nonprofit Management .....                         | G.Cert.                 |
| Planning and Economic Development .....            | G.Cert.                 |

|                             |                      |
|-----------------------------|----------------------|
| Public Administration ..... | M.P.A., M.P.A./J.D.* |
| Public Policy** .....       | B.S., Ph.D.          |
| Urban Policy Studies .....  | B.S., M.S.           |

## **1030.20 College of Arts and Sciences**

|                                                    |                           |
|----------------------------------------------------|---------------------------|
| African-American Studies .....                     | B.A.                      |
| Anthropology .....                                 | B.A., M.A.                |
| Applied Linguistics .....                          | B.A, M.A. , Ph.D.         |
| Art .....                                          | B.A.                      |
| Art Studio .....                                   | B.F.A., M.F.A.            |
| Art Education .....                                | B.F.A., M.A.Ed., Ph.D.    |
| Art History .....                                  | B.A., M.A.                |
| Arts Administration - Speech/Theatre .....         | B.I.S.                    |
| Asian Studies .....                                | B.I.S.                    |
| Astronomy .....                                    | Ph.D.                     |
| Biological Sciences .....                          | B.S., Ph.D.               |
| Biology .....                                      | M.S.                      |
| Chemistry .....                                    | B.S., M.S., Ph.D.         |
| Classical Studies .....                            | B.I.S.                    |
| Communication .....                                | M.A., Ph.D.               |
| Community Studies .....                            | B.I.S.                    |
| Computer Science .....                             | B.S., M.S., Ph.D.         |
| English .....                                      | B.A., M.A., M.F.A., Ph.D. |
| Environmental Science .....                        | B.I.S.                    |
| Film and Video .....                               | B.A.                      |
| French .....                                       | B.A., M.A.                |
| Geography .....                                    | B.A., M.A.                |
| Geology .....                                      | B.S., M.S.                |
| German .....                                       | B.A., M.A.                |
| Gerontology .....                                  | U. Cert., G. Cert., M.A.  |
| Heritage Preservation .....                        | M.H.P., G. Cert.          |
| History .....                                      | B.A., M.A., Ph.D.         |
| Hydrogeology .....                                 | G. Cert.                  |
| Interdisciplinary Studies .....                    | B.I.S.                    |
| International Economics and Modern Languages ..... | B.A.                      |
| International Studies .....                        | B.I.S.                    |
| Interpretation .....                               | G. Cert.                  |
| Language Studies .....                             | B.I.S.                    |
| Journalism .....                                   | B.A.                      |
| Latin American Studies .....                       | G. Cert.                  |
| Law and Society .....                              | B.I.S.                    |
| Mathematics and Statistics .....                   | B.S., M.A.T., M.S.        |
| Middle East Studies .....                          | B.I.S.                    |
| Modern Languages .....                             | B.A.                      |
| Music .....                                        | B.Mu., M.Mu.              |
| Music Management .....                             | B.S.                      |
| Philosophy .....                                   | B.A., M.A., M.A./J.D. *** |
| Physics .....                                      | B.S., M.S., Ph.D.         |
| Political Science .....                            | B.A., M.A., Ph.D.         |
| Psychology .....                                   | B.A., B.S., M.A., Ph.D.   |
| Religious Studies .....                            | B.A., M.A.                |
| Sociology .....                                    | B.A., M.A., Ph.D.         |
| Spanish .....                                      | B.A., M.A.                |
| Speech .....                                       | B.A.                      |
| Theatre .....                                      | B.I.S.                    |
| Translation and Interpretation .....               | G.Cert.                   |
| Women's Studies .....                              | B.A., G. Cert., M.A.      |

## 1030.30 College of Education

Behavior/Learning Disabilities ..... M.A.T., M.Ed.  
 Communication Disorders ..... M.Ed.  
 Counseling Psychology ..... Ph.D.  
 Counselor Education and Practice ..... Ph.D.  
 Early Childhood Education .. B.S.E., M.A.T., M.Ed., Ed.S., Ph.D.  
 Education of Students with Exceptionalities ..... Ph.D.  
 Educational Leadership ..... M.Ed., Ed.S.  
 Educational Policy Studies ..... Ph.D.  
 Educational Psychology ..... M.S., Ph.D.  
 Educational Research ..... M.S.  
 English Education ..... M.A.T., M.Ed.  
 Exercise Science ..... B.S., M.S.  
 Health and Physical Education ..... B.S.E., M.Ed.  
 Instructional Design and Technology ..... M.S., Ph.D.  
 Kinesiology ..... Ph.D.  
 Library Media Technology ..... M.L.M.  
 Mathematics Education ..... M.A.T., M.Ed.  
 Middle Childhood Education ..... M.A.T., M.Ed.  
 Multiple and Severe Disabilities ..... M.A.T., M.Ed.  
 Professional Counseling ..... M.S., Ed.S.  
 Reading, Language, and Literacy Education ..... M.A.T., M.Ed.  
 Rehabilitation Counseling ..... M.S.  
 School Counseling ..... M.Ed., Ed.S.  
 School Psychology ..... M.Ed., Ed.S., Ph.D.  
 Science Education ..... M.A.T., M.Ed.  
 Social Foundations of Education ..... M.S.  
 Social Studies Education ..... M.A.T., M.Ed.  
 Special Education ..... Ed.S.  
 Sports Administration ..... M.S.  
 Sports Medicine ..... M.S.  
 Sport Science ..... Ph.D.  
 Teaching and Learning ..... Ed.S., Ph.D.  
 Urban Teacher Leadership ..... M.S.

## 1030.40 College of Health and Human Sciences

Criminal Justice ..... B.S., M.S.  
 Nursing ..... B.S., M.S., G. Cert., Ph.D.  
 Nutrition ..... B.S., G. Cert., M.S.  
 Physical Therapy ..... D.P.T.  
 Public Health ..... G. Cert., M.P.H.  
 Respiratory Therapy ..... B.S., M.S.  
 Social Work ..... B.S.W., G. Cert., M.S.W.

## 1030.50 College of Law

Law ..... J.D., J.D./M.A.\*\*\*, J.D./M.B.A.\*\*\*\*, J.D./M.P.A.\*

## 1030.60 J. Mack Robinson College of Business

Accountancy/Accounting B.B.A., G. Cert., M.B.A., M.P.A., Ph.D.  
 Actuarial Science ..... B.B.A., M.A.S., M.B.A.  
 Computer Information Systems ..... B.B.A., M.B.A., M.S., Ph.D.  
 Decision Sciences ..... B.B.A., M.B.A., M.S., Ph.D.  
 Business Economics ..... B.B.A., M.B.A., M.S.  
 Electronic Commerce ..... G.Cert., M.B.A.  
 Enterprise Risk Management ..... G. Cert.  
 Entrepreneurship ..... M.B.A.

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Finance .....                     | B.B.A., M.B.A., M.S., Ph.D.               |
| General Business .....            | M.B.A.                                    |
| Health Administration .....       | M.H.A., M.S.H.A.                          |
| Hospitality Administration .....  | B.B.A., U. Cert., M.B.A.                  |
| Human Resource Management .....   | M.B.A., M.S., Ph.D.                       |
| International Business .....      | M.B.A., M.I.B.                            |
| Managerial Sciences .....         | B.B.A., M.B.A., M.S., Ph.D.               |
| Marketing .....                   | B.B.A., M.B.A., M.S., Ph.D.               |
| Operations Management .....       | Ph.D.                                     |
| Personal Financial Planning ..... | G. Cert., M.S.                            |
| Real Estate .....                 | G. Cert., B.B.A., M.B.A., M.S.R.E., Ph.D. |
| Risk Management and Insurance ..  | B.B.A., M.B.A., M.S., Ph.D.               |
| Taxation .....                    | M.Tx.                                     |

\*Joint program with College of Law and Andrew Young School of Policy Studies.

\*\*Joint program with Georgia Institute of Technology.

\*\*\*Joint program with College of Law and College of Arts and Sciences

\*\*\*\*Joint program with J. Mack Robinson College of Business.

### Explanation of abbreviations for degrees and certificates offered:

|                |                                            |
|----------------|--------------------------------------------|
| B.A. ....      | Bachelor of Arts                           |
| B.B.A. ....    | Bachelor of Business Administration        |
| B.F.A. ....    | Bachelor of Fine Arts                      |
| B.I.S. ....    | Bachelor of Interdisciplinary Studies      |
| B.Mu. ....     | Bachelor of Music                          |
| B.S. ....      | Bachelor of Science                        |
| B.S.E. ....    | Bachelor of Science in Education           |
| B.S.W. ....    | Bachelor of Social Work                    |
| D.P.T. ....    | Doctor of Physical Therapy                 |
| Ed.S. ....     | Specialist in Education                    |
| G. Cert. ....  | Graduate Certificate                       |
| J.D. ....      | Juris Doctor                               |
| M.A. ....      | Master of Arts                             |
| M.A.T. ....    | Master of Arts for Teachers                |
| M.A.Ed. ....   | Master of Art Education                    |
| M.A.S. ....    | Master of Actuarial Science                |
| M.B.A. ....    | Master of Business Administration          |
| M.Ed. ....     | Master of Education                        |
| M.F.A. ....    | Master of Fine Arts                        |
| M.H.A. ....    | Master of Health Administration            |
| M.H.P. ....    | Master of Heritage Preservation            |
| M.I.B. ....    | Master of International Business           |
| M.L.M. ....    | Master of Library Media                    |
| M.Mu. ....     | Master of Music                            |
| M.P.A. ....    | Master of Public Administration            |
| M.P.Acct. .... | Master of Professional Accountancy         |
| M.P.H. ....    | Master of Public Health                    |
| M.S. ....      | Master of Science                          |
| M.S.H.A. ....  | Master of Science in Health Administration |
| M.S.R.E. ....  | Master of Science in Real Estate           |
| M.S.W. ....    | Master of Social Work                      |
| M.Tx. ....     | Master of Taxation                         |
| Ph.D. ....     | Doctor of Philosophy                       |
| U. Cert. ....  | Undergraduate Certificate                  |

## 1040 Academic Resources

### 1040.10 Libraries

Georgia State University is served by three libraries: the University Library, College of Law Library, and the Alpharetta Center Library. The University Library is comprised of Library North and Library South. It houses more than 1.4 million volumes and subscribes to nearly 5,400 journals, magazines and newspapers. Many library resources are online at <http://www.library.gsu.edu>, including more than 19,000 e-journals and online instant message and chat reference service. Computer workstations, wired and wireless network connections, and individual and group study areas are located throughout the library.

The library's Special Collections Department houses unique and rare historical materials in seven curatorial areas: Georgia Government Documentation Project, Georgia Women's Collection, Photographic Collection, Popular Music Collection, Rare Books, Southern Labor Archives, and University Archives. The Southern Labor Archives is one of the foremost national repositories for documenting the development of labor-management relations. The Popular Music Collection is also one of the leading centers of its kind in the U. S. Its holdings include the papers of the late world-renowned lyricist Johnny Mercer.

The University Library is open nearly 90 hours per week. For current hours visit <http://www.library.gsu.edu> or call 404/651-2178.

### 1040.20 Information Systems and Technology

Information Systems and Technology (IS&T) operates open access computer labs equipped with state-of-the art computers and a wide range of applications for student academic use. All computers in the labs are attached to the campus network and have Internet access. Visit <http://www.gsu.edu/uets> for details about what hardware and software is in the labs and the hours of operation. Lab locations and phone numbers are:

109 Library South (Main Lab), 404/651-4542  
 200 Arts and Humanities, 404/651-4260  
 120 Kell Hall, 404/651-1566  
 Aderhold Learning Center, 404/651-3061, and cyber café with laptop hook-ups  
 390 Student Center, 404/463-9800, Digital Aquarium (high-end multimedia)  
 Alpharetta Center, 678/566-2220  
 Brookhaven Center, 3<sup>rd</sup> Floor, 404/467-5113

In addition to the labs, Georgia State University provides students with a variety of computing services such as eTraining (Element K online training), E-mail, web page hosting, online file storage, wireless networking, etc. Visit the website at <http://www.student.gsu.edu> for a complete list with details about getting started.

### 1040.30 Alpharetta and Brookhaven Centers

In addition to the downtown campus, Georgia State University also provides instruction at the Alpharetta Center, where a variety of credit and noncredit programs are available to those living and working in the northern metropolitan area, and at the Brookhaven Center, where MBA classes are offered. The Alpharetta Center is located at 3705 Brookside Parkway, Alpharetta, Georgia. For Alpharetta Center information, call 678/566-2200. The Brookhaven Center is located at 4362 Peachtree Road, NE, Atlanta, Georgia. For Brookhaven Center information, call 404/467-5100.

### 1040.40 The Welcome Center

The Welcome Center provides an official reception area and introduction to Georgia State University. Prospective students, visitors, alumni, faculty and staff can stop by for directions as well as information about the university, its programs and activities. The Welcome Center schedules twice-daily 30-minute information sessions facilitated by the Office of Undergraduate Admissions, and twice daily 90-minute Campus Atlanta bus and walking tours. Information sessions are held at 10:00 a.m. and 2:00 p.m., followed by Campus Atlanta tours at 10:30 a.m. and 2:30 p.m., all Monday through Friday, except on holidays.

Campus Atlanta tours incorporate the best of Georgia State University and downtown Atlanta. On the tour facilitated by a Welcome Center tour guide, you will see Atlanta landmarks such as CNN, the Georgia Aquarium and top Fortune 100 companies; plus the Rialto Center for the Performing Arts, the Helen M. Aderhold Learning Center, and student housing. In addition, you will see popular locations like the Student Recreation Center and the Student Center.

Complimentary visitor parking is provided to people participating in any of these sessions. For more information, or to schedule an information session or Campus Atlanta tour, please visit the Welcome Center on-line at <http://www.gsu.edu/tour/gastate.html>. To schedule a University Lofts tour or special group tours of 10-100 people, please call the Welcome Center at 404/651-3900. It is recommended that large groups have one adult chaperone for every 20 students and notify the Welcome Center at least two weeks in advance of visits.



The Welcome Center is located in 134 Alumni Hall. You may contact the Welcome Center by telephone at 404/651-3900 or by e-mail to [tourguide@gsu.edu](mailto:tourguide@gsu.edu).

## **1040.50 Alumni Association**

The Georgia State University Alumni Association provides a wide variety of programs and services to keep alumni in touch, informed, involved, and invested in their Alma Mater. The Alumni Association provides networking opportunities through academic, special interest, and geographic alumni clubs; personal development through career services and educational programs; leadership and volunteer opportunities in student recruitment, legislative advocacy and community service; and social activities for rekindling friendships and fostering new ones.

The Alumni Association invites graduates back to campus during the year for special celebrations and life-long learning and keeps graduates connected to Georgia State and to each other by publishing the *Georgia State University* magazine and an electronic newsletter, *P@nther News*.

In addition, the Alumni Association adds to the vitality of the University by annually awarding 25 student scholarships and honoring outstanding alumni, faculty, staff, and students through the Sparks Awards, Alumni Distinguished Service Award, Alumni Distinguished Achievement Award and the Distinguished Community Service Award.

The Alumni Association also sponsors several programs for current students including the “Lunch and Learn” series of educational programs and the “Graduating Senior” series of informational seminars.

Anyone who has attended Georgia State is considered an alumnus(a). The Alumni Association is governed by a volunteer board of directors, and specific programs are carried out with the assistance of alumni volunteers and the Alumni Association staff. For more information, please call 404/651-2190 or 1-800-GSU-ALUM or visit the website at <http://www.gastatealumni.net/>.

## **1040.60 Foundation**

The Georgia State University Foundation, Inc., is an independent, nonprofit, tax-exempt charity incorporated under Section 501(c)(3) of the Internal Revenue Code. A gift to the foundation qualifies as a tax deductible, charitable donation. Management of the foundation is vested in a self-perpetuating Board of Trustees, and the foundation receives an annual independent audit. Through its board and committee structure, the foundation gives alumni and other volunteer friends a personal opportunity to help Georgia State accomplish its mission and goals.

The foundation exists to raise, receive, manage, and disburse private gift funds for the benefit of Georgia State University. The majority of private support for scholarships, academic disciplines, endowments, and other programs from individuals and organizations is contributed through the foundation. Several facilities, including the Rialto, Alpharetta Center, Lofts, and Student Recreation Center were acquired as a result of the efforts of the foundation. The foundation is currently constructing additional student housing at the corner of Piedmont Avenue and Ellis Street.

# **1050 Policies and Disclosures**

## **1050.10 Equal Opportunity Policy**

Georgia State University is an equal educational opportunity institution. Faculty, staff, and students are admitted, employed, and treated without regard to race, sex, color, age, religion, national origin, sexual orientation, or disability. Georgia State University complies with Title IX of the Education Amendments of 1972, Titles VI and VII of the Civil Rights Act of 1964, the Civil Rights Act of 1991, Sections 503/504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, the Vietnam Era Veterans Readjustment Assistance Act, as well as other applicable federal and state laws. In compliance with these laws and regulations, Georgia State University has established the following specific policies:

**Civil Rights and Equal Employment Opportunities**—Georgia State provides equal employment and educational opportunities for all individuals without regard to race, sex, age, religion, color, national origin, sexual orientation, or disability. All Georgia State University educational and personnel actions will be governed by an affirmative action program developed in compliance with applicable federal and state law and regulations, and the policies of the Board of Regents of the University System of Georgia.

**Discriminatory and Sexual Harassment**—In an effort to foster a community in which there can be a free and open development of ideas, Georgia State is committed to maintaining a working and learning environment free of discriminatory and sexual harassment. Georgia State has adopted policies and procedures concerning harassment which may be obtained from the Office of Opportunity Development/Diversity Education Planning, the Ombudsperson, or Dean of Students. In addition to the procedures outlined in the policy, a complaint may be filed with the Office of Opportunity Development/Diversity Education Planning, the Ombudsperson, the Dean of Students, the respective college administrative unit, and the appropriate state or federal agencies. Faculty, staff and students can file complaints of sex discrimination with the Title IX coordinator, Linda J. Nelson, Assistant Vice

President for Opportunity Development/Diversity Education Planning, in person at 460 Ten Park Place, by e-mail at [afaljn@langate.gsu.edu](mailto:afaljn@langate.gsu.edu), by telephone at 404/651-2567 or by fax at 404/651-1598.

**Disabilities**—Georgia State provides program accessibility and reasonable accommodations for persons with disabilities. Specifically, the university provides evaluation of individual needs, advisement, and appropriate support for academic programs for identified persons with disabilities. A student with a disability has the responsibility of contacting the Office of Disability Services for an intake interview to assess his or her needs prior to the first semester of enrollment at Georgia State. Should any problems arise concerning their academic program, the student should contact the Office of Disability Services at 230 Student Center (404/463-9044) as soon as possible.

## 1050.20 Disability Complaint Policy

Georgia State University has a procedure by which students and other non-employees who believe they have been discriminated against by the university in violation of the American's With Disabilities Act (ADA) or Section 504 of the Rehabilitation Act of 1973 may file complaints about the discrimination or denial by the university to provide a requested accommodation. The right to file a complaint pursuant to this disability complaint procedure may be forfeited unless exercised within 30 days of the alleged discriminatory act or denial of accommodation. All properly filed complaints will be heard by a subcommittee of the university's ADA Committee and a final decision will be rendered by the provost. Copies of the disability complaint procedure are available at the Office of Opportunity Development/Diversity Education Planning and the Office of Disability Services. A student with a disability complaint may choose to utilize this disability complaint procedure, the petition and appeals process of the college in which they are enrolled, or, in cases of a denied facility accommodation, the petition and appeals process of the college in which the request for a facility accommodation was made. Faculty and staff members may raise these same issues by using the university's employee grievance procedure.

## 1050.30 Disruptive Behavior Policy

Disruptive student behavior is student behavior in a classroom or other learning environment (to include both on and off campus locations), which disrupts the educational process. Disruptive class behavior for this purpose is defined by the instructor. Such behavior includes, but is not limited to, verbal or physical threats, repeated obscenities, unreasonable interference with class discussion, making/receiving personal phone calls or pages during class, leaving and entering class frequently in the absence of notice to instructor of illness or other extenuating circumstances, and persisting in disruptive personal conversations with other class members. For purposes of this policy, it may also be considered disruptive behavior for a student to exhibit threatening, intimidating, or other inappropriate behavior toward the instructor or classmates outside of class..

When disruptive behavior occurs in the class, the instructor shall make reasonable effort to address the disruption with the student, preferably in private. Georgia State University encourages members of the University community to try to resolve problems informally whenever possible. Toward that end, the instructor and student may consult with the Office of the Ombudsperson, the Dean of Students Office (<http://www.gsu.edu/deanofstudents>), or other University offices to discuss ways to resolve the situation informally at any time during the process set forth in this policy. Should the instructor elect to withdraw the disruptive student, the procedures published in the *Faculty Handbook* (see <http://www.gsu.edu/~wwwfhh/fhb.html> section 401.08) should be followed. Individual college or academic units may have supplementary procedures to deal with disruptive student behavior so long as those procedures are consistent with this policy. Where this policy conflicts with the *Student Code of Conduct*, this policy will prevail with respect to disruptive behavior in the academic setting.

## 1050.40 University Code of Conduct

Membership in the community of scholars known as Georgia State University as a student, faculty member, or staff member is a privilege and carries with it obligations to participate in and contribute to the educational mission of the institution.

Concurrent with these obligations are rights and freedoms for each individual as guaranteed by the United States Constitution, including but not limited to the right to inquire, learn, communicate by speech or action, and assemble peaceably and the right to due process for grievances. These rights, as they pertain to students, are more specifically provided for in the "Student Code of Conduct and Policies" which can be found in the student handbook, *On Campus*, available online at <http://www.gsu.edu/oncampus> or from the Office of the Dean of Students at <http://www.gsu.edu/deanofstudents>, 300 Student Center, 404/463-9023.

## 1050.50 Federal and State Law Disclosure Requirements

Federal and state laws require all colleges and universities receiving federal funds to establish certain programs, policies, and procedures and distribute an annual report describing them and providing statistics regarding: graduation rates; drug, alcohol, and weapon violations; and certain crimes on campus, which include murder, robbery, aggravated assault, burglary, motor vehicle theft, and sex offenses. Georgia State University's annual report and information regarding these programs, policies, procedures, and statistics are available upon a written request directed to the Georgia State University Office of Public Information, 530 One Park Place South, Atlanta, Georgia 30303.

## 1050.60 Integrity in Research

Georgia State University maintains high ethical standards in research and requires all faculty, staff, and students engaged in research to comply with those standards. Cases of misconduct in research present a serious threat to continued public confidence in the integrity of the research process and the stewardship of federal funds. Misconduct is defined as fabrication, falsification, plagiarism, or other practices that seriously deviate from those that are commonly accepted within the scholarly community for proposing, conducting, or reporting research. Georgia State will investigate and resolve promptly and fairly all instances of alleged or apparent misconduct. To obtain a copy of the *Integrity in Research Policy*, contact the Office of the Vice President for Research, G76 Alumni Hall, 404/651-4350.

## 1050.70 Intellectual Property

In complying with the policies of the Board of Regents, Georgia State University has adopted policies concerning the ownership and subsequent rights to intellectual property created by faculty, staff, and students. Intellectual property pertains to any patentable materials, copyrightable materials, trademarks, software, and trade secrets regardless of whether formal protection is sought. It is the responsibility of the individual to ascertain whether Georgia State owns the intellectual property. To obtain a copy of the Intellectual Property Policy, contact the Office of the Vice President for Research, G76 Alumni Hall, 404/651-4350.

## 1050.80 Student Complaints, Petitions for Policy Waivers and Variances, and Appeals [\(New - See Addendum\)](#)

# 1100 Undergraduate Admissions

## 1110 Office of Undergraduate Admissions

200 Sparks Hall

<http://www.gsu.edu/es/admissions.html>

E-mail: [admissions@gsu.edu](mailto:admissions@gsu.edu)

## 1115 General Admission Policy

Georgia State University welcomes applications from all qualified students regardless of race, sex, religion, disability, or cultural background. Admission is based on a number of factors depending upon level of entry and previous educational experience. Admission into and placement within Georgia State will be determined by the Office of Undergraduate Admissions using the criteria approved by the University Senate. Applicants who have been educated outside the United States should consult Section 1165. The admission requirements have been developed in accordance with the rules and regulations of the Board of Regents of the University System of Georgia and have evolved from studies of student performance at Georgia State. These studies have identified factors and criteria that indicate a reasonable chance of successful completion of academic work at Georgia State. Admission decisions are based on a previous record of satisfactory academic performance, test scores, personal qualities and circumstances, character, and good conduct. **Admission is a selective process and meeting minimum requirements does not guarantee acceptance.** A student has the right to appeal the admission decision as provided in the bylaws of the Board of Regents.

Any applications received after the stated deadline for the term of application will be processed for the next available term and the application fee will not be refunded. Any application received without a designated term will be processed for the next available term and the application fee will not be refunded. Approval for admission is valid only for the term specified at the time of acceptance and does not imply that approval will be granted for a term not specified. Students wishing to be considered for a subsequent term during an academic year (the academic year begins with the fall semester and ends with the following summer semester) must submit a reactivation form ([http://www.gsu.edu/gastate\\_reactivate.html](http://www.gsu.edu/gastate_reactivate.html)) and any required credentials by the application deadline date for that particular term. Students wishing to be considered for a term in another academic year must submit a new application, application fee, and new credentials.

Any changes in a student's record prior to enrollment will necessitate a new review of the application. Any omissions or misrepresentations on a student's application for admission will automatically invalidate consideration by, acceptance to and continuation at Georgia State. If an applicant (a) is ineligible to enroll at any previously attended institution, (b) is on probation, suspension, exclusion, or any other standing indicating either an academic or a conduct deficiency at any previously attended institution, (c) has been found in violation of the academic or non-academic code of conduct at any previously attended institution, or (d) has been convicted for violation of a federal, state or municipal law, regulation or ordinance (other than minor traffic violations), then the applicant's case will be reviewed to insure that the applicant meets the satisfactory academic performance, good character, and good conduct requirements noted above. If, after a letter of acceptance has been issued, information comes to light that shows that an applicant did not meet all admission requirements, the applicant's offer of admission will be withdrawn. If this information comes to light after the student has enrolled, the applicant's enrollment at Georgia State will be terminated and earned credit may be revoked.

All credentials submitted with the application for admission become and remain the property of the university and will not be returned to the student, duplicated, or transferred to another institution.

Admission to Georgia State University or reentry approval does not imply admission to a specific major or professional program.

- Students who wish to take 3000 or 4000 level teacher education courses (designated by a "TE" in the course description) or who wish to enter one of the teacher education programs must be approved by the College of Education or the College of Arts and Sciences, depending on the student's teaching field major (see Section 1605).
- Prospective applicants who are interested in the College of Health and Human Sciences and who have completed preparation to enter the professional or clinical program of their major should contact the Office of Academic Assistance,

College of Health and Human Sciences, 404/651-3064, for information on additional departmental application procedures, requirements, and deadlines.

- Students who wish to apply for admission to the School of Music should contact the School of Music office to request separate application materials and to make an appointment for an audition.

## 1120 Freshman Applicants

### Definition

Those applicants who have never enrolled in a regionally-accredited college or university (unless jointly enrolled while completing high school) are freshman applicants.

### Deadlines

Applications for admission and the nonrefundable application fee must be submitted or postmarked by the established deadlines. Applicants are encouraged to apply online at <http://www.gsu.edu/es/admissions.html>. Complete credentials must be received before a decision can be made. Applications are processed in the order in which they are **complete** and ready for a decision. Students wishing to be considered for a subsequent term during an academic year (the academic year begins with the fall semester and ends with the following summer semester) must submit a reactivation form at the following website ([http://www.gsu.edu/gastate\\_reactivate.html](http://www.gsu.edu/gastate_reactivate.html)), and any additional credentials that may be necessary by the appropriate deadline. Students wishing to be considered for a term in another academic year must submit a new application, nonrefundable application fee, and new credentials.

Applicants interested in early registration dates and orientation, university housing, university scholar assistantships, and/or financial aid are urged to apply and complete their applications by the Priority Deadline Dates listed below.

| <u>Semester</u> | <u>Priority Deadline Dates</u> | <u>Regular Deadline Dates</u> |
|-----------------|--------------------------------|-------------------------------|
| Fall            | February 1                     | March 1                       |
| Spring          | October 1                      | October 1                     |
| Summer          | February 1                     | March 1                       |

Note: All deadlines are subject to change.

### Admission Requirements

Admission to Georgia State University is a selective process and meeting minimum admission requirements does not guarantee acceptance. The middle 50% of students who entered Georgia State in the Fall of 2004 had SAT combined scores between 1000 and 1180 and high school GPAs on College Preparatory Classes of between 3.08 and 3.54. All of the following minimum requirements must be met in order for an applicant to receive consideration as a freshman:

- Be a graduate of and have a college preparatory diploma from a high school accredited by a regional accrediting association (such as the Southern Association of Colleges and Schools), a high school accredited by the Georgia Accrediting Commission, or a public high school regulated by a school system and state Department of Education. A Certificate of Attendance does not qualify a student for admission consideration.
- Have completed the University System of Georgia Board of Regents' College Preparatory Curriculum. Sixteen curriculum course units required as follows:
  - a. English (4 units): emphasis in grammar and usage; literature (American, English, and World); and advanced composition skills.
  - b. Mathematics (4 units): algebra I, algebra II, geometry, and one additional mathematics course with these units as prerequisites.
  - c. Science (3 units): at least one laboratory course from the life sciences and one laboratory course from the physical sciences.
  - d. Social Science (3 units): at least one course focusing on United States studies and one course focusing on world studies.
  - e. Foreign language (2 units in the same language): emphasis in speaking, listening, reading, and writing. See below for an exception to this requirement.
- Have a minimum 2.80 high school grade point average calculated on the 16 courses listed above.
- Submit electronic SAT scores (including the writing section) with a minimum combined score of 900 with at least 430 verbal/critical reading and 400 mathematics or electronic ACT scores (including the Writing Test) with a minimum composite score of 19 with at least 17 English and 17 mathematics. Although not currently required (with the exception of home-schooled applicants), applicants are encouraged to submit SAT Subject Test scores of their choice. Permanent



residents, educated in the United States, whose native language is not English are encouraged to take the TOEFL. If the TOEFL is not taken, applicants from local areas will be required to take the Georgia State Test of English Proficiency (GSTEP) to determine appropriate admission.

- Have a freshman index (FI) of 2500 or higher. The FI is based on a combination of SAT/ACT scores and high school grade point average (HSGPA) in college preparatory courses only. The FI formula using SAT scores is:  $\text{SAT FI} = (500 \times \text{HSGPA}) + \text{SAT V} + \text{SAT M}$ . The FI formula using ACT scores is:  $\text{ACT FI} = (500 \times \text{HSGPA}) + (\text{ACT composite} \times 42) + 88$ . In calculating the HSGPA for FI purposes, the applicant's transcript is calculated upon **only 16 of the academic (college preparatory) courses** taken such as English, mathematics, science, social studies, and foreign language.

### High-Ability CPC-Deficient Freshman

Certain high ability students are eligible for admission to Georgia State even if they have not fully completed the College Preparatory Curriculum (CPC). Applicants who have graduated from high school and have :

- a. completed the CPC English requirement,
- b. completed the CPC Math requirement,
- c. have two units of Science,
- d. have two units of Social Science,
- e. have combined SAT score (or ACT equivalent) of 1100 or better, and
- f. have a high school GPA (as calculated for the FI) of 3.3 or better, are eligible for admission as high ability CPC deficient freshman. High ability applicants with CPC deficiencies will have their files reviewed individually and some may be admitted. No more than 100 high ability CPC deficient freshman will be admitted in any academic year.

Students admitted with CPC deficiencies must complete the CPC requirements by taking the Georgia State courses in the sciences, social sciences or foreign languages (depending on the area of their CPC deficiencies). These courses will be selected by the Student Advisement Center. Credits earned in courses taken to meet CPC deficiencies do not count towards graduation requirements. Students must earn a grade of C or better in those courses they take to meet CPC deficiencies. Students must complete all CPC-required courses before they earn 30 hours and in their first three semesters of enrollment. Otherwise, they may not register for any courses except CPC courses until all CPC requirements are complete.

High ability CPC deficient freshman will be admitted as presidential exceptions. The Enrollment Management Committee is authorized to raise the SAT and HSGPA required for admission as a high ability CPC deficient freshman as well as to change the number of high ability CPC deficient freshman who will be admitted. The enrollment management committee will also monitor the number, quality, and success of high ability CPC deficient students to see that this exception to the usual CPC rules continues to meet the needs of these students and Georgia State.

### Home-Schooled Students

Applicants for freshman admission who have been home-schooled or graduated from non-accredited high schools may be considered for admission by meeting one of the following two criteria:

#### A. Option One: Portfolio Admission

Students who wish to apply for admission under the portfolio review option must:

- Demonstrate a combined SAT test score (or an ACT equivalent) that is at or exceeds the average SAT for those enrolled as first time freshmen for the previous fall term. The current score is 1090 (SAT) or 24 (ACT).
- Submit electronic SAT scores (including the writing section) of at least 430 verbal/critical reading and 400 mathematics or electronic ACT scores (including the Writing Test) of at least 17 English and 17 mathematics.
- Submit a portfolio that demonstrates satisfactory completion of the 16 College Preparatory Courses (CPC) required for admission to a University System of Georgia research institution. This portfolio must include information about the course of study leading to satisfactory completion of **each** CPC unit, including a list of all educational resources (books and other materials), course outline and appropriate outcomes assessment.

Georgia State University reserves the right to request any further information that it feels necessary to evaluate the completion of the CPC requirements.

#### B. Option Two: SAT Subject Test Admission

Students who wish to apply for admission under the SAT Subject Test option must:

- Submit electronic SAT scores (including the writing section) with a minimum combined score of 900 with at least 430 verbal/critical reading and 400 mathematics or electronic ACT scores (including the Writing Test) with a minimum composite score of 19 with at least 17 English and 17 mathematics.
- Submit acceptable scores on six SAT Subject Tests and demonstrate proficiency in a foreign language at the level of two years of high school study. Minimum acceptable scores on the prescribed SAT Subject Tests are:



520 on the English Writing test (now a required part of the SAT or ACT)  
530 on the Literature test  
500 on the Mathematics Level 1 test or a score of 570 on the Mathematics Level 2 test  
520 on the Biology test  
540 on the Chemistry test or 590 on the Physics test  
560 on the U.S. History test, and  
540 on the World History test

The appropriate level of competency in a foreign language will be evaluated by the Georgia State University Department of Modern and Classical Languages utilizing methods including both oral and written components.

## 1125 Transfer Applicants

### Definition

Those applicants who have previously attended a regionally-accredited college or university (except for students jointly enrolled while completing high school) are transfer applicants.

### Deadlines

Applications for admission and the **nonrefundable** application fee must be submitted or postmarked by the established deadlines. Applicants are encouraged to apply online at <http://www.gsu.edu/es/admissions.html>. Complete credentials must be received before a decision can be made. Applications are processed in the order in which they are **complete** and ready for a decision. Students wishing to be considered for a subsequent term during an academic year (the academic year begins with the fall semester and ends with the following summer semester) must submit a reactivation form at the following website ([http://www.gsu.edu/gastate\\_reactivate.html](http://www.gsu.edu/gastate_reactivate.html)), and any additional credentials that may be necessary by the appropriate deadline. Students wishing to be considered for a term in another academic year must submit a new application, **nonrefundable** application fee, and new credentials.

Applicants interested in early registration dates and orientation, university housing, and/or financial aid are urged to apply and complete their applications by the **Priority Deadline Dates** listed below.

| <u>Semester</u> | <u>Priority Deadline Dates</u> | <u>Regular Deadline Dates</u> |
|-----------------|--------------------------------|-------------------------------|
| Fall            | February 1                     | June 1                        |
| Spring          | October 1                      | November 1                    |
| Summer          | February 1                     | April 1                       |

Note: All deadlines are subject to change.

For international student application deadline dates, please see Section 1165.

The professional and clinical programs in the College of Health and Human Sciences may have earlier deadlines. Please contact the Office of Academic Assistance, College of Health and Human Sciences, 404/651-3064, for information on procedures and deadline dates.

### Admission Requirements

All of the following minimum requirements must be met in order for an applicant to receive consideration as a transfer, but meeting them does not guarantee admission:

- Have a minimum cumulative 2.5 grade point average in college-level courses (excluding developmental/remedial courses) from all accredited institutions attended.
- Be eligible to re-enroll at the last institution attended.
- Have completed all college preparatory curriculum and learning support coursework required by any unit of the University System of Georgia (USG).
- In addition, those students who have completed **fewer than 30 semester hours or 45 quarter hours** of college-level academic coursework attempted at one or more regionally accredited institutions must meet all freshman admission requirements (see Section 1120.30).

- Arrange for **all** transcripts to be received directly by the Office of Undergraduate Admissions or provide them in sealed envelopes directly from the institution to submit a self-managed application. Student copies of transcripts, official transcripts opened by the student, and fax copies are **not** acceptable.

Transfer students should be aware of the Board of Regents' requirements in reading, writing, history, and constitution (see Sections 1420 and 1425).

## Transfer Credit Policy

When an applicant is accepted for undergraduate transfer admission, courses completed with grades of C or higher (grades of D discussed below) that parallel the curriculum of Georgia State University will be accepted for transfer credit. Developmental, vocational, and occupational courses will not be accepted for transfer credit. Credit must have been earned at institutions of higher education with full accreditation by a regional association of colleges and schools and, where appropriate, the Commission on Colleges. The determination of how transfer credit may be used to satisfy the specific course requirements for a degree is made by the Student Advisement Center or the college that administers the degree program requirements. The colleges also have the privilege to test the student's proficiency in transferred coursework.

- A maximum of 12 semester hours where grades of D have been earned may be applied toward degree requirements. These 12 semester hours include both resident credit (earned at Georgia State) and transfer credit. Transfer credit will not be given for English composition courses where grades of D have been earned. Additional restrictions in credit accepted for courses where grades of D have been earned may be included in certain degree programs. Be sure to check the description of your planned program in this catalog.
- No credit will be awarded for a grade earned at a foreign institution that is equivalent to a grade of D in the United States.
- A maximum of 60 academic semester hours from a two-year college or 81 academic semester hours from a four-year college may be applied in the program for which the applicant enrolls. Courses completed at a two-year college will be granted lower-division credit. The total number of hours that may be earned toward a degree by extension or correspondence courses may not exceed 30 semester hours.
- Because the university has a minimum academic residence requirement, the amount of transfer credit applicable to a degree program may be further limited (see Section 1430).
- Georgia State does not grant credit for College-Level General Educational Developmental Tests, USAFI courses, or courses completed at any United States armed forces service schools, with the exception of the military academies.

For those students seeking a baccalaureate degree, transfer credit for degrees previously awarded by other institutions will be granted as follows:

1. Students will be granted credit for all of Areas A-E of the core curriculum (see section 1410) and the Regents' Test (see section 1420) if they hold one of the following:
  - A baccalaureate from a regionally accredited institution of higher education in the United States, or
  - The equivalent of a baccalaureate from a regionally accredited institution of higher education in the United States (as certified by Georgia State or a Georgia State-approved agency such as Joseph Silny and Associates, Inc.), or
  - An associate's degree designed to transfer to a baccalaureate program from a USG institution
2. However, there are two exceptions to the policy stated in 1 above.
  - Students seeking a baccalaureate degree in biology, chemistry, computer science, geology, mathematics, physics, science education or math education who do not hold a baccalaureate degree in one of these fields will only be granted credit for all of Areas B, C, and E. They will be granted credit in Areas A and D on a course-by-course basis.
  - Students seeking a baccalaureate degree in nursing, nutrition or respiratory therapy will only be granted credit for all of Areas A, B, C and E. They will be granted credit in Area D on a course-by-course basis.
3. Students who hold any other associate's degree, such as an associate's degree from a non-USG institution or an associate's degree not designed to transfer to a baccalaureate program will be granted transfer credit on a course-by-course basis.

## 1130 Postbaccalaureate Applicants

### Definition

Those applicants who have received a bachelor's degree and who wish to take undergraduate courses without being admitted to a second undergraduate degree program are postbaccalaureate applicants. Students wishing to seek a second baccalaureate degree should refer to Section 1125. Georgia State University graduates should refer to Section 1170.

Deadlines

| <u>Semester</u> | <u>Regular Deadline Dates</u> |
|-----------------|-------------------------------|
| Fall            | July 1                        |
| Spring          | November 1                    |
| Summer          | April 1                       |

Note: All deadlines are subject to change.

After the Regular Deadline Dates, only postbaccalaureate applications that are **complete** at the time of submission (application, **nonrefundable** application fee, and all required documents) will be processed and only if space is available and time permits. For international student application deadline dates, please see Section 1165.

Applicants wishing to seek a second bachelor’s degree in a professional or clinical program in the College of Health and Human Sciences should apply to the university as a transfer student. Please contact the Office of Academic Assistance, College of Health and Human Sciences, 404/651-3064, for information on procedures and deadline dates.

Admission Requirements

The following requirement is applicable to postbaccalaureate students:

- Hold a baccalaureate degree or the equivalent from an institution of postsecondary education with full accreditation by a regional association of colleges and schools and, where appropriate, the Commission on Colleges.

The postbaccalaureate status is not available for students seeking teacher certification in any area other than music education and art education (see Section 1605).

In order to be considered for admission as a postbaccalaureate student, an applicant must complete an application for undergraduate admission (including the **nonrefundable** fee) and submit an official transcript from the degree-granting institution by the appropriate deadline. If a student wishes to change to a degree-seeking status after enrolling at Georgia State University as a postbaccalaureate student, conditions for acceptance as a transfer student must be met. An application for admission, the nonrefundable application fee and required transcripts must be filed with the Office of Undergraduate Admissions located in 200 Sparks Hall by the established application deadline for the intended semester of entry.

Postbaccalaureates may not attend another institution as transient students from Georgia State. Transient status is only for degree-seeking students. Postbaccalaureate students wishing to attend another institution must apply directly to the other school.

1135 Transient Applicants

Definition

Students who are currently enrolled in a transferable degree program at another accredited college or university in the United States who wish to register at Georgia State University for the purpose of completing work to transfer back to the home institution are transient applicants. Transient students may attend for only one fall or one spring semester. However, attendance as a transient student in summer semesters is unlimited.

Deadlines

| <u>Semester</u> | <u>Regular Deadline Dates</u> |
|-----------------|-------------------------------|
| Fall            | July 1                        |
| Spring          | November 1                    |
| Summer          | April 1                       |

Note: All deadlines are subject to change.

After the Regular Deadline Dates, only transient applications that are **complete** at the time of submission (application, **nonrefundable** application fee, and all required documents) will be processed and only if space is available and time permits. For international student application deadline dates, please see Section 1165.

## Admission Requirements

In order to be eligible for admission as a transient, a student must submit an application for undergraduate admission (including the **nonrefundable** fee) and request an official statement granting permission to enroll as a transient student from the home institution. The appropriate academic official at the home institution must send this statement directly to Georgia State University. Students who do not enroll the semester for which they were accepted and wish to register later must either reactivate their application or submit a new application by the application deadline and arrange for a current official statement updated for the new semester to be sent.

International students who are attending school on another institution's immigration document (F-1/I-20, J-1/IAP-66) will not be issued any additional documents but must also submit a statement of permission from the International/Foreign Student Adviser at the home institution.

The following regulations are applicable to transient students:

- They should seek academic advisement at their home institution to determine if courses taken at Georgia State are acceptable to their degree program.
- All scholastic discipline policies and all course prerequisite policies are applicable to transient students.
- Transcripts for courses completed at Georgia State as a visiting student must be requested from the Office of the Registrar at <https://www.gosolar.gsu.edu/webforstudent.htm> to be sent to the home institution.
- Transient students are admitted to and register through the college or school selected on their application. If the applicant does not indicate a college, and if a transient approval letter has been received, placement will be determined from the courses indicated in the letter.
- In order to continue for an additional summer semester as a transient, a student must file a reentry application and arrange for all necessary supporting documentation to be received in the Office of Undergraduate Admissions by the established deadlines (see Section 1170). With the exception of summer semesters, registration as a transient student is limited to one semester. If a student wishes to become a transfer student, the student must file a new application for undergraduate admission (including the **nonrefundable** application fee) and arrange for **all** transcripts to be received by the Office of Undergraduate Admissions by the appropriate deadline. Student copies of transcripts or official transcripts opened by the student are **not** acceptable (see Section 1125).

## 1145 Nontraditional Applicants

### Definition

Nontraditional applicants are defined as individuals who meet **all** of the following criteria:

- Have been out of high school at least five years or whose high school class graduated at least five years ago.
- Hold a high school diploma from an accredited high school as specified under Section 1120.30 or have satisfactorily completed the GED.
- Have not attended college within the past five years.
- Have earned fewer than 30 transferable semester (45 transferable quarter) credit hours.

### Deadlines

Non-traditional applicants must follow the freshman deadlines (see Section 1120.20) for submitting an application, **nonrefundable** application fee and transcripts. Applicants are encouraged to apply online at <http://www.gsu.edu/es/admissions.html>.

### Admission Requirements

Applicants must take the COMPASS assessment to be admitted to the university. The Office of Undergraduate Admissions notifies applicants of test date, time, and location. Applicants must earn the following scores on the COMPASS to be eligible for admission: reading = 74, writing = 60, and mathematics (COMPASS algebra test) = 37. If the file is not completed in time for testing to be scheduled prior to registration, it may become necessary to update the application to a future semester. If an applicant does not earn a required score(s) on the first attempt, that part(s) of the COMPASS may be retaken but the second attempt must be at least ninety (90) days after the first attempt. Applicants who do not earn all three of the required scores after two attempts may not reapply to Georgia State as nontraditional applicants for five years.

# 1150 Joint Enrollment (Program for Excellence)

## Definition

Joint enrollment (Program for Excellence/PFE) is an opportunity for the academically outstanding high school student to enroll as a special undergraduate student. This program is designed to allow superior high school students to utilize university resources to provide extra enrichment and challenge to their junior or senior year. All schedules are subject to the approval of the appropriate high school official and Georgia State University.

## Deadlines

Applicants must submit the application, **nonrefundable** application fee, and required documents by the appropriate deadline.

| <u>Semester</u> | <u>Regular Deadline Dates</u> |
|-----------------|-------------------------------|
| Fall            | April 1                       |
| Spring          | November 1                    |
| Summer          | April 1                       |

Note: All deadlines are subject to change.

## Admission Requirements

Students must demonstrate a high degree of academic potential and maturity to be considered for Joint Enrollment (Program for Excellence/PFE).

### For High School Seniors:

- Completion of the 11th grade.
- Completion of all CPC requirements, with the exception of the units of high school English, mathematics, and/or social science which may be fulfilled through the satisfactory completion of approved Georgia State courses.
- A minimum high school GPA of 3.0 in college prep (CPC) courses.
- A minimum SAT verbal/critical reading score of 530, or minimum ACT English score of 23.
- A minimum SAT math score of 530, or minimum ACT math score of 22.
- A minimum freshman index (FI) of 2600.\*
- The approval of the high school guidance counselor.

### For High School Juniors:

- Completion of the 10th grade.
- Completion of all CPC requirements, with the possible exception of the units of high school English, mathematics, and/or social science which may be fulfilled through the satisfactory completion of approved Georgia State courses.
- A minimum high school GPA of 3.0 in college prep (CPC) courses.
- A minimum SAT verbal/critical reading score of 530, or minimum ACT English score of 23.
- A minimum SAT math score of 530, or minimum ACT math score of 22.
- A minimum freshman index (FI) of 2700.\*
- The approval of the high school guidance counselor.

\* The FI is based on a combination of SAT/ACT scores and high school grade point average (HSGPA) in college preparatory courses only. The FI formula using SAT scores is  $SAT\ FI = (500 \times HSGPA) + SAT\ V + SAT\ M$ . The FI formula using ACT scores is:  $ACT\ FI = (500 \times HSGPA) + (ACT\ composite \times 42) + 88$ . In calculating the HSGPA for FI purposes, the applicant's transcript is calculated upon **only the academic courses** taken such as English, math, science, social studies, and foreign language.

Students admitted to the program are subject to the same fees, rules, and regulations as other Georgia State University students. A student enrolled simultaneously at the university and the high school is also subject to any rules and regulations imposed by that high school. All students are required to earn a high school college preparatory diploma on or before their original graduation date using the college-level coursework, as appropriate.

## 1155 GSU-62 Program

### Definition

Applicants who meet the criteria listed below may apply for GSU-62 waivers of tuition and fees. The regulations listed also apply to the GSU-62 student who wishes to audit classes instead of taking courses for credit.

### Deadlines

Applicants must submit the application and required documents by the appropriate deadline.

| <u>Semester</u> | <u>Priority Deadline Dates</u> | <u>Regular Deadline Dates</u> |
|-----------------|--------------------------------|-------------------------------|
| Fall            | February 1                     | March 1                       |
| Spring          | October 1                      | October 1                     |
| Summer          | February 1                     | March 1                       |

Note: All deadlines are subject to change.

The following minimum requirements must be met in order for a student to receive a GSU-62 waiver.

- Must meet all applicable admission requirements for their program of study.
- Must be 62 years of age or older at the time of registration. (Submit a birth certificate or other comparable written documentation, such as a passport, verifying proof of your age.)
- Must be classified as a Georgia resident in accordance with the Regents' Requirements for Resident Status.

GSU-62 students will register on a space available basis during late registration. No tuition and fees will be assessed except for supplies or laboratory fees. The student will be responsible for all student fees associated with obtaining a Georgia State University identification card (PantherCard). All usual student and institutional records will be maintained.

This status can include graduate studies with the exception of the College of Law. Contact the appropriate graduate office in the university for application information. GSU-62 students must be admitted to graduate study to be eligible to enroll for graduate courses (those numbered 5000 and higher).

## 1165 International Students, Students with Non-U.S. Credentials, and Non-native Speakers of English

Georgia State University encourages the enrollment of students from other countries. After reading this section, if you need additional information or have questions, please contact: Georgia State University, Office of Undergraduate Admissions, P.O. Box 4009, Atlanta, GA 30302-4009 or in person at 200 Sparks Hall, (fax) 404/651-4811, (email) [admissions@gsu.edu](mailto:admissions@gsu.edu), or : <http://www.gsu.edu/es/admissions.html>.

### Definition

The following definitions apply:

- International applicants and students are individuals who are **not** U.S. citizens, permanent residents, asylees, refugees, or holders of the A, E, I, G, K or L visa status.
- Applicants and students with non-U.S. academic credentials are individuals who received their secondary school diploma, and/or any college credit through an institution outside the U.S.
- Non-native speakers of English are students whose native language, as reported on the admission application, is a language other than English.

Note: An individual may fall into one, two or all three of the above categories. Applicants and students who fall into more than one category must follow the procedures and meet at least the minimum requirements for all categories in which they fall.

### Deadlines

Applications for admission, including the **nonrefundable** application fee, as well as all required academic credentials, test scores, and financial documentation must be received by the established deadlines. Applications and reactivations received after the deadline dates will be processed for the following semester. Applicants are encouraged to apply online at <http://www.gsu.edu/es/admissions.html>.



| <u>Semester</u> | <u>Priority Deadline Dates</u> | <u>Regular Deadline Dates</u> |
|-----------------|--------------------------------|-------------------------------|
| Fall            | February 1                     | March 1                       |
| Spring          | October 1                      | October 1                     |
| Summer          | February 1                     | March 1                       |

Note: All deadlines are subject to change.

## Admission Requirements

### International Applicants

In addition to meeting all other applicable requirements for admission, international applicants who will need a student visa status (F or J) must demonstrate the ability to meet the estimated financial obligations of tuition, fees and living expenses by submitting the Foreign Student Financial Statement and the required documentation of financial support.

### Applicants with Non-U.S. Credentials

In addition to meeting all other applicable requirements for admission, freshman applicants and transfer applicants with less than 30 semester hours of transferable credit must demonstrate academic preparation equivalent to graduation with a U.S. secondary college preparatory curriculum and have a GPA of 3.0 based on only academic courses. Applicants who have completed non-U.S. university level coursework must have earned satisfactory grades on all such work attempted and be in good academic standing. The applicant does not need to meet the Freshman Index or minimum CPC requirements of those graduating from a U.S. high school.

Applicants must present official secondary (high school) or postsecondary (college or university) credentials, certificates, or diplomas. Official documents must bear authoritative signatures, seals and/or stamps. These should be sent by the institution responsible for issuing such documents. In cases where it is impossible for these credentials to be sent from the institution, or only one set of originals is available to students, applicants should forward an attested copy of the original. A proper institution official or the Ministry of Education in the home country must do the attestation. A certified original translation must accompany all documents not printed in English.

Georgia State University requires that all international academic documents (transcripts, mark sheets, certificates, leaving examination results, etc.) be formally evaluated by an independent evaluation service. Applicants should submit an application to Josef Silny and Associates, Inc., along with the appropriate fee for the document-by-document evaluation **and** grade point average equivalent (required for first time university students) or the fee for the course-by-course evaluation (required for students with previous university attendance). Fees from overseas must be in the form of an International Money Order. Applicants must also submit to Josef Silny and Associates, Inc., official transcripts, diplomas, and certified English translations. Josef Silny and Associates, Inc., will return original documents to the applicant if a self-addressed, stamped envelope is included with the application for evaluation.

Applicants with detailed questions about this evaluation process should contact Josef Silny and Associates, Inc., at 305/273-1616, 7101 SW 102 Avenue, Miami, FL 33173, or online at <http://www.jsilny.com>.

Although the university recommends Josef Silny and Associates, Inc., evaluations will be accepted from the following services: Educational Credential Evaluators, Inc., P.O. Box 514070, Milwaukee, Wisconsin 53203-3470 or World Education Services, Bowling Green Station, P.O. Box 5087, New York, NY 10274-5087.

Applicants who have completed university-level studies overseas should submit catalogs or official course descriptions from the schools attended to Georgia State University in order to have credit considered for application to a degree program. All information must be translated into English and verified by the proper authorities.

### Applicants who are Non-Native Speakers of English

In addition to meeting all other applicable requirements for admission, non-native speakers of English must demonstrate sufficient English language proficiency. This can be demonstrated by submitting any one of the following: an SAT verbal/critical reading score of at least 430, an ACT English subtest score of at least 17, a TOEFL score of 550 (paper test) or 213 (computer test) or 79-80 (internet-based test), a GSTEP score of 6, or by successfully completing Georgia State University's Intensive English Program. However, students who are currently enrolled in but have not completed Georgia State University's Intensive English Program must demonstrate English language proficiency with the GSTEP.

TOEFL bulletins (including registration forms) can be obtained at United States embassies and consulates, bi-national centers, or by writing to: Test of English as a Foreign Language, P.O. Box 6154, Princeton, N.J. 08541-6154, U.S.A. (<http://www.toefl.org>). To register for the GSTEP, please contact the Department of Applied Linguistics and English as a Second Language at 404/651-3650 (<http://www.gsu.edu/gstep>).

F-1 Visa applicants who are non-native speakers of English and who meet all admission requirements except the English language proficiency requirement may be granted conditional admission. To be eligible for conditional admission, applicants must have a TOEFL score of 480 (paper test) or 157 (computer test) or 40 (internet-based test). Students granted conditional

admission will be required to take certain courses in the Intensive English Program (IEP) before taking other courses. A student may remain on conditional admission status for no more than three semesters. For more information about the IEP, see <http://www.gsu.edu/iep>.

## Placement

**International Students.** International students who are also non-native speakers of English must take the GSTEP before registering for classes. If the GSTEP were taken as part of the application process, this requirement is waived. Depending on their scores, these students may be assigned work in the Intensive English Program.

**Students with Non-U.S. Academic Credentials.** There are no special placement rules for students with non-U.S. academic credentials.

**Non-Native Speakers of English.** See special rules for placement of international students.

## Regents' Testing Program

**International Students.** There are no special Regents' Testing Program rules for international students.

**Students with Non-U.S. Academic Credentials.** There are no special Regents' Testing Program rules for students with non-U.S. academic credentials.

**Non-Native Speakers of English.** Non-native speakers will be certified as meeting Regents' testing requirements either by taking the regular Regents' Test, by passing the reading and writing sections of the revised Georgia State Test of English Proficiency (GSTEP Regents'), or by earning a score of 23 or higher on the reading section of the computer-based TOEFL or a score of 57 or higher on the reading section of the paper-based TOEFL and a score of 4 or higher on the Test of Written English (TWE). Non-native speakers who do not meet the Regents' Test requirement and who have attempted 45 or more semester hours are required to take one of the following: regular RGT courses or RGT courses for international students offered by the Department of Applied Linguistics and English as a Second Language. With the exception of the testing policies mentioned in this paragraph, non-native speakers are subject to all other Regents' Test Program policies.

# 1170 Reentry Applicants

## Definition

An undergraduate reentry applicant is a student who previously enrolled at Georgia State University and who wishes to reenroll at Georgia State in one of the following ways:

1. Previously enrolled as an undergraduate degree-seeking student wishing to return as an undergraduate degree-seeking student after an absence of three or more semesters.
2. Previously enrolled as an undergraduate degree-seeking student wishing to return as an undergraduate postbaccalaureate student after an absence of three or more semesters.
3. Previously enrolled as an undergraduate postbaccalaureate student wishing to return as an undergraduate postbaccalaureate student after an absence of three or more semesters.
4. Previously enrolled as an undergraduate degree-seeking student wishing to return as an undergraduate transient student after an absence of three or more semesters.
5. Previously enrolled as an undergraduate transient student wishing to return as an undergraduate transient student for any term. Note: Students are only permitted to attend one spring or one fall semester as an undergraduate transient student, but may apply for unlimited summer semesters.

The reentry application cannot be used in the following situations:

- Transient and postbaccalaureate students cannot apply for reentry to update to degree-seeking (transfer) status. Transients and postbaccalaureate students wishing to become transfer students should complete a new application for admission, submit the appropriate application fee and all transcripts to the Office of Undergraduate Admissions. Students should refer to Section 1125 for deadlines, admission requirements and other policies related to transfer admission.
- Students that have only attended Georgia State University at the graduate level cannot apply for reentry to enroll at the undergraduate level. Graduate students wishing to enroll at the undergraduate level should complete a new application for undergraduate admission, submit the appropriate application fee and all transcripts to the Office of Undergraduate Admissions. Students should refer to the appropriate area of Section 1100 for deadlines, admission requirements and other policies related to transfer, transient, and postbaccalaureate admission.

**All students, including reentry students, must** notify the Office of Undergraduate Admissions prior to registering if any of the following conditions apply.

1. The student has attended another school since last attending Georgia State.  
The student must have an official transcript of credits sent from the school he or she attended. The student must be eligible to reenroll at the last school attended before he or she returns to Georgia State University. Failure to submit this transcript by the midpoint of the first term after returning to Georgia State could result in the placing of a registration hold on the student's record.
2. The student has disciplinary actions pending at the last institution attended since matriculation at Georgia State.
3. The student has been convicted of a crime other than a minor traffic violation since last attending Georgia State.

Failure to notify the university of any of the above conditions could result in university sanctions, including expulsion.

## Deadlines

Applications for reentry admission and the **nonrefundable** reentry application fee must be submitted or postmarked by the established deadlines. Applicants are encouraged to apply online at <http://www.gsu.edu/returning.html>. Complete credentials must be received before a decision can be made. Reentry applications are processed in the order that they are complete and ready for a decision. Students wishing to be considered for a subsequent term during an academic year (the academic year begins with the fall semester and ends with the following summer semester) must submit a reactivation form at the following website ([http://www.gsu.edu/gastate\\_reactivate.html](http://www.gsu.edu/gastate_reactivate.html)), and any additional credentials that may be necessary by the appropriate deadline. Students wishing to be considered for a term in another academic year must submit a new reentry application, **nonrefundable** application fee, and new credentials.

All required credentials should be submitted to the Office of Admissions no later than fifteen days after the regular deadline for the term of application. Applicants interested in early registration dates, university housing and financial aid are urged to apply and complete their applications by the Priority Deadline Dates listed below. Any reentry application received after the regular deadline for the term indicated on the reentry application will be processed for the next available term and the application fee will not be refunded.

| <u>To Return in</u> | <u>Priority Deadline</u> | <u>Regular Deadline</u> |
|---------------------|--------------------------|-------------------------|
| Fall                | February 1               | June 1                  |
| Spring              | October 1                | November 1              |
| Summer              | February 1               | April 1                 |

Note: All deadlines are subject to change.

## Admission Requirements

**Degree-seeking Reentries.** Students that previously attended as degree-seeking and wish to return as degree-seeking must meet the following requirements:

1. Students that have attended other institution(s) since their last enrollment at Georgia State University must submit official transcripts from the institution(s). Student copies of transcripts, official transcripts opened by the student, and fax copies are **not** acceptable. Reentry applicants must be eligible to return to their last institution of attendance for the term of desired reenrollment at Georgia State in order to be granted admission as a reentry student.
2. Students that last attended Georgia State University in the Learning Support Program (formerly the Department of Academic Foundations and Developmental Studies), have COMPASS scores below those currently required to exit LSP, and have not fulfilled their LSP requirements must either
  - a. Retake the appropriate COMPASS tests and earn the minimum reading score currently required to exit LSP (74), the minimum writing score currently required to exit LSP (60), and the minimum math score currently required to exit LSP (37) or
  - b. Complete their LSP courses at another USG institution (for example, Georgia Perimeter College) and then reapply for reentry.
3. Undergraduate students reentering on supervision or probation are required to participate in the Academic Improvement Program (see Section 1360.20).
4. Students that were placed on exclusion at the conclusion of their last term at Georgia State University must submit an application for academic renewal to the Student Advisement Center. Approval for academic renewal must be granted before students previously excluded can be approved to reenter the University. Students should refer to section 1360.30 for policies and procedures related to academic renewal prior to submitting an application for reentry.

**Transient Reentries.** Students wishing to apply for reentry as a transient student must submit an official transient letter from their home institution. Unofficial transient letters, transient letters opened by the student, and fax copies are **not** acceptable. The

transient letter must indicate that the student has permission to attend Georgia State University for the desired term of enrollment. Transient students must be eligible to return to their home institution for the desired term of enrollment. A new reentry application and a new transient letter are required for each subsequent term of enrollment at Georgia State. Note: students are only permitted to attend one spring or one fall semester as an undergraduate transient student, but unlimited summer semesters.

**Degree-seeking to Postbaccalaureate Reentries.** Previous degree-seeking students wishing to reenroll as a postbaccalaureate student must submit a transcript from the institution awarding the baccalaureate degree. Student copies of transcripts, official transcripts opened by the student, and fax copies are **not** acceptable. For those students that were previously awarded their undergraduate degree by Georgia State University, a Georgia State University transcript is not needed.

**Postbaccalaureate to Postbaccalaureate Reentries.** Previous postbaccalaureate students wishing to return to Georgia State University as a postbaccalaureate are not required to submit any additional transcripts.

## 1175 Academic Regulations that Apply to Various Admission Categories

### 1175.10 Transient Students

Transient students may attend for only one fall or one spring semester. However, attendance as a transient student in summer semesters is unlimited. In order to continue for an additional summer semester(s) as a transient, a student must file a reentry form and arrange for all necessary supporting documentation to be received in the Office of Undergraduate Admissions by the established deadlines. To continue attending, transient students must be in good academic standing at Georgia State University. Transient students who wish to become transfer students must apply to the Office of Undergraduate Admissions to be admitted as a transfer student. All scholastic discipline policies and all course prerequisites are applicable to a transient student. Transcripts for courses completed at Georgia State as a transient must be requested from the Office of the Registrar to be sent to the home institution. Transient students are admitted to and register through the college or school selected on their application. If the applicant does not indicate a college, and if a transient approval has been received, placement will be determined from the courses indicated in the letter. Transient students who seek reentry must complete a new reentry form for the semester that they wish to attend.

### 1175.20 Postbaccalaureate Students

The postbaccalaureate status is not available for students seeking teacher certification in any area other than music education and art education. Postbaccalaureates may not attend another institution as a transient student while the postbaccalaureate is a student at Georgia State University.

### 1175.30 International Students

International students with student visas are required to carry a full course load (12 semester hours). International students with student visas who wish to reenter must complete a new reentry form for the semester that they wish to attend.

# 1200 Financial Information

The Office of Student Accounts, 100 Sparks Hall, [http://www.gsu.edu/es/tuition\\_and\\_fees.html](http://www.gsu.edu/es/tuition_and_fees.html), is responsible for assessing tuition and fees and processing payments. The Office of Student Financial Aid, 102 Sparks Hall, [http://www.gsu.edu/es/financial\\_aid.html](http://www.gsu.edu/es/financial_aid.html) provides financial assistance to students who, without such help, would be unable to attend Georgia State University. These offices work closely together to serve students.

It is the responsibility of the student to be informed of, and to observe, all regulations and procedures regarding tuition, fees, payments, refunds and financial aid. In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation or asserts that he or she was not informed of it by an adviser or other authority. Verbal misinformation is not grounds for a waiver of a regulation.

## 1210 Tuition and Fees

The tuition and fees are set by the Board of the Regents of the University System of Georgia. They are usually set in April or May, after this catalog has gone to press. Therefore, the 2006-2007 tuition and fees are listed here as a guide. Tuition and fees usually increase every year and are subject to change without notice. Current tuition and fee rates are available at [http://www.gsu.edu/es/tuition\\_and\\_fees.html](http://www.gsu.edu/es/tuition_and_fees.html). For information about resident status, see Section 1220. Georgia State University charges other fees that are not discussed in this section. For more information about other fees see the following websites:

Application fee - [http://www.gsu.edu/gastate\\_apply\\_online.html](http://www.gsu.edu/gastate_apply_online.html)  
 Graduation fee - [http://www.gsu.edu/es/applying\\_for\\_graduation.html](http://www.gsu.edu/es/applying_for_graduation.html)  
 Late registration fee - [http://www.gsu.edu/es/calendars\\_and\\_schedules.html](http://www.gsu.edu/es/calendars_and_schedules.html)  
 Housing fees - <http://www.gsu.edu/housing/Forms.html>

### Resident Students Enrolled for:

|                | <u>Less Than 12 Semester Hours</u> | <u>12 or More Semester Hours</u> |
|----------------|------------------------------------|----------------------------------|
| Tuition        | \$163 per semester hour            | \$1,946 per semester             |
| Mandatory Fees | \$463 per semester                 | \$ 463 per semester              |

### Nonresident Students Enrolled for:

|                | <u>Less Than 12 Semester Hours</u> | <u>12 or More Semester Hours</u> |
|----------------|------------------------------------|----------------------------------|
| Tuition        | \$649 per semester hour            | \$7,785 per semester             |
| Mandatory Fees | \$463 per semester                 | \$ 463 per semester              |

## 1210.10 Waivers of Tuition and Fees

All requests for waivers of tuition and fees are due no later than two weeks before the end of regular registration. Requests made after that date will be considered for the subsequent semester.

### Waivers of All Tuition

All tuition is waived for students who fall into one of the following categories:

1. GSU 62 students. See section 1155.
2. Employee tuition remission students who take no more than 8 hours and register during late registration.

### Waivers of the Difference between Resident and Nonresident Tuition

The Board of Regents specifies that certain non-residents are granted waivers of the difference between resident and nonresident tuition. (See section 1220 for residency status rules.) These waivers are restricted to small classes of students. For more information, see <http://www.usg.edu/regents/policymanual/700.phtml>.

. In addition to these Board of Regents authorized waivers, non-resident students who are enrolled only in courses which meet more than 50 miles from GSU and are part of an official GSU off-campus study program pay in-state tuition plus \$250.

To apply for a waiver of the difference between resident and nonresident tuition, go to the Residency Section of the Office of the Registrar, <http://www.gsu.edu/es/residency.html>

## Waivers of All Fees

All fees are waived for students who fall into one of the following categories:

1. GSU 62 students. See section 1155.10.
2. Employee tuition remission students who take no more than 8 hours and register during late registration.

## Waivers of All but \$75 of Fees

Enrollment fees are reduced to \$75 for students who fall into the categories below.

1. Students enrolled only in courses offered under a tuition agreement between Georgia State University and a corporation, organization, educational institution or other legal entity if the tuition agreement specifies that fees will be waived.
2. Students enrolled only in courses which meet more than 50 miles from Georgia State University if taking those courses at that location is *required* by their program of study. Such courses may include: practicum, student teaching, internship, directed reading, independent study, thesis research, or dissertation research. If the program of study *allows* (but does not require) that the courses be taken more than 50 miles from campus, then the students will not be granted a fee waiver.
3. Students enrolled only in courses that meet more than 50 miles from Georgia State University if those courses are part of an official Georgia State University off-campus study program. Such programs may include field study programs and study abroad programs.

Students who have paid fees at other institutions do not receive a waiver of Georgia State University fees. To apply for a fee waiver, go to the Dean of Students website, <http://www2.gsu.edu/~wwwdos/waiverrequest.html> and complete the Fee Waiver Request Form.

## 1210.20 Payment of Tuition and Fees

Georgia State University reserves the right at any time during the semester to drop any student from classes for failure to pay tuition and fees. Students who cease to attend but do not formally drop their classes using GoSOLAR at <https://www.gosolar.gsu.edu/webforstudent.htm> will suffer financial and academic consequences. Students who continue to attend classes after the University has dropped them will not receive course credit and will be held liable for the tuition and/or fees due plus any service fees assessed, applicable collection costs, court costs, and legal fees. A hold will be placed on the records of any student who has a financial obligation to the university. Until all financial obligations are met, a student will not be permitted to register for further course work or access transcripts. If a student's account is sent to a collection agency, the student will be responsible for the tuition and fees as well as any collection costs and legal fees.

### Payment Deadline

All tuition and fees must be paid by the dates published in the online *Registration Guide* at [http://www.gsu.edu/es/registration\\_guide.html](http://www.gsu.edu/es/registration_guide.html). Failure to meet payment deadlines will have financial and academic consequences.

### Payment by Credit Card

Georgia State University accepts VISA and MasterCard for payment of tuition and fees. Students choosing this option may register and pay fees by going to the Georgia State University GoSOLAR student registration website at <https://www.gosolar.gsu.edu/webforstudent.htm>, thus eliminating the need to mail or deliver fee payments to the Office of Student Accounts. Credit card payments are also accepted at the Cashier's Office located on the first floor of Sparks Hall.

### Payment by Check

Checks must be payable in United States currency and drawn on a financial institution located in the United States of America. The university reserves the right to determine the acceptability of all checks. Checks must be made payable to Georgia State University and have an encoded checking account number on the face of the check. All checks not drawn in this manner will be returned. Checks may be mailed to the Office of Student Accounts and must be **received, not post marked**, by 5 p.m. on the fee deadline date. Checks may be mailed to Georgia State University, Office of Student Accounts, P.O. Box 4029, Atlanta, GA 30302-4029. Check payments may also be made in person at the Cashier's Office located on the first floor of Sparks Hall or placed in the drop box across from the Cashier's Office.

If a check given in payment of a student's fees is not paid upon presentation to the banking institution, a hold will be placed on the student's records. All returned checks will be assessed a returned check fee of \$25.00. Georgia State University reserves the right to place a student on "cash only" status for issuing a check that is not honored upon presentation to the bank.



## Payment in Cash

Cash payments may be made at the Cashier's Office located on the first floor of Sparks Hall. Window hours are 8:30 a.m. to 5:15 p.m. Monday, Wednesday, Thursday and Friday and 10:00 a.m. to 5:15 p.m. on Tuesdays. It is inadvisable to send cash payments through the mail.

## College of Health and Human Sciences Tuition Deposit

The College of Health and Human Sciences requires students newly accepted into certain professional and graduate programs to submit a portion of their first semester's tuition at the time of acceptance. The advanced tuition, which is nonrefundable, guarantees the student's place in the class.

## 1210.30 Refund of Tuition and Fees

Students who formally withdraw or who are formally withdrawn from a class or classes will be subject to the refund policy for tuition and other fees (see Section 1332). This policy decreases the amount of refund available at regular intervals during the term. After a time during the term, no refund will be available. Complete information about the refund policy throughout the term is available in each term's online *Registration Guide*, [http://www.gsu.edu/es/registration\\_guide.html](http://www.gsu.edu/es/registration_guide.html).

Placing a stop payment on a check with the banking institution from which the check is drawn does not constitute a formal withdrawal from courses. Students must withdraw using the procedures outlined in the *Registration Guide*.

A student is not entitled to any refund of tuition or fees paid if the student leaves the university when disciplinary action is pending, or does not formally withdraw from the class or classes in which he or she is enrolled, or if other restrictions apply as listed in the online *Registration Guide*.

Refunds are paid either by check mailed to the student or by direct deposit into the student's bank account. The refund for a student who received financial aid will be audited to determine the amounts to be returned to financial aid programs, and then the student will receive any remaining balance. Mailing addresses must be kept current by going to the Georgia State University GoSOLAR student website at <https://www.gosolar.gsu.edu/webforstudent.htm> to ensure proper mailing of refund checks. Students who sign up for direct deposit ([http://www.gsu.edu/es/tuition\\_and\\_fees.html](http://www.gsu.edu/es/tuition_and_fees.html)) will receive their refunds significantly faster than students whose refunds must be mailed.

## 1210.40 Employer Tuition and Fee Reimbursement

Students eligible for tuition and/or fee reimbursement by their employers must submit their reimbursement forms to the Office of the Registrar, 227 Sparks Hall, accompanied by an addressed, stamped envelope. If grades are available for the applicable semester, forms will be processed and mailed within five workdays.

## 1210.50 Housing Fees

Housing fees for each semester are due when tuition and other fees are due. The housing fee for University Commons includes all utilities, cable television service, local telephone service in the apartment, and Internet connection. Parking at University Commons is an additional fee. Please check the housing website at <http://www.gsu.edu/housing/index.html> for specifics. Housing fees are subject to change.

The housing fees for the University Lofts vary based on the apartment type. Housing fees include all utilities, cable television service, internet connection, and local telephone service in the apartment. The Lofts Tenant parking, as well as Loft Tenant MARTA passes are available through Auxiliary and Support Services (<http://www2.gsu.edu/~wwwaux/parking/index.htm>). For more information, contact University Housing in person at 250 Student Center, by phone at 404/463-9052, by Email at [housing@gus.edu](mailto:housing@gus.edu) or by visiting the Housing Website.

## 1220 Georgia Resident Status

As noted in Section 1210, residents of Georgia pay lower tuition rates than those who are not residents of Georgia. **Establishing residency for tuition purposes as defined by the Board of Regents is different than residency for purposes such as voting, obtaining a Georgia driver's license/tag, etc., and requires more than establishing eligibility to vote, securing a driver's license, and/or paying taxes. Georgia residency status is also distinct from the academic residency requirement for graduation. (See Section 1430.)**

A person may be a Georgia resident for tuition purposes if, and only if, either one of the following two criteria are met.

### Criterion 1

A person may be a Georgia resident for tuition purposes if that person, that person's parents, that person's spouse or (if the person is a minor) that person's court-appointed guardian meet **all** of the following conditions:

1. The person has always resided in Georgia or can demonstrate that they currently reside in Georgia and residency in any other state or country has been abandoned. Maintenance of ties with another state or country will contribute to a non-resident decision including: financial support from a person who is a resident of another state or country, payment of income taxes to another state, and payment of property taxes. Registering a vehicle or securing a driver's license in that state or country may be considered.
2. The person has lived in Georgia for the 12 consecutive months immediately preceding the start date for the term and their 12-month durational requirement has not included time attending any educational institution in Georgia on a full-time basis.
3. The person can demonstrate that they moved to Georgia for purposes other than attending any educational institution in the State of Georgia.
4. The person can demonstrate economic self-sufficiency and has contributed to the state by paying meaningful taxes.
5. The person is a U.S. citizen, Resident Alien or is in a visa status permitting indefinite or permanent residence in the United States.

## Criterion 2

A person may be a Georgia resident for tuition purposes if that person meets **all** of the following conditions:

1. The person is a U.S. citizen, Resident Alien or is in a visa status permitting indefinite permanent residence in the United States **and**
2. The person can demonstrate that she or he was transferred to Georgia by an employer within the last 12 months **or** can demonstrate that she or he previously held residency status in Georgia but moved from the state and returned within the last 12 months.

If a parent or legal guardian of a student is a Georgia resident and then changes his or her legal residence to another state, the student may retain his or her classification as a resident student as long as he or she remains continuously enrolled at an institution in the University System of Georgia.

Please note that these regulations are subject to change by the Board of Regents. The most current regulations can be found on the Board of Regents' website <http://www.usg.edu/regents/policymanual/400.phtml>.

## 1220.10 Petitioning for Georgia Residency for Fee Payment Purposes

If a student or accepted applicant has been classified as a non-resident and wishes to contest the classification, he/she must petition for resident classification using the form found at [http://www.gsu.edu/registrar/gastate\\_residency.html](http://www.gsu.edu/registrar/gastate_residency.html). After attending as a non-resident, if a student wishes to change his/her residency classification, he/she must petition <http://www.gsu.edu/es/residency.html> using this same form.

### Deadlines for Petitions

To ensure timely processing, petitions and all required documents must be submitted to the Residency Section of the Office of the Registrar (227 Sparks Hall) no later than the end of regular registration. Final determination of Georgia residence classification prior to the deadline date for fee payment cannot be guaranteed for petitions received after the priority date. Petitions filed after the final deadline will be considered for the subsequent semester.

| <u>Term</u> | <u>Priority</u> | <u>Final</u>                         |
|-------------|-----------------|--------------------------------------|
| Fall        | June 1          | The last day of regular registration |
| Spring      | Oct 1           | The last day of regular registration |
| Summer      | Mar 1           | The last day of regular registration |

If a petition is approved, classification will not be retroactive to prior semesters. Students who have filed a petition must respond to all Email requests for information within 10 business days. These Emails will be sent to the student's official GSU Email address. The petitions of students who fail to respond within 10 business days will be considered for the subsequent semester. A student/applicant wishing to appeal the decision resulting from his or her Petition for Georgia Residence Classification may request a review of that decision by the University Committee on Residency and must submit such request in writing to the Residency Section of the Office of the Registrar within 20 days of the decision.

## 1230 Financial Aid

Financial aid is any scholarship, grant, loan, or part-time employment offered for the purpose of helping a student meet their educational expenses. Aid is usually provided by federal, state, institutional or private agencies. In order to apply, a student

must complete the Free Application for Federal Student Aid (FAFSA) or the Renewal Application. Students are encouraged to apply online at <http://www.fafsa.ed.gov>.

Recipients are selected on the basis of demonstrated financial need and/or academic achievement. Information concerning application for financial assistance is available from the Office of Student Financial Aid. Application packets for the next school year are available after January 1. Students are urged to apply early for optimum financial aid benefits at <http://www.fafsa.ed.gov>. April 1 is the priority date for submission of completed financial aid applications to the Office of Student Financial Aid. The Office of Student Financial Aid cannot guarantee that applications made after April 1 will be processed before the beginning of the fall semester.

In order for a Georgia State student to continue to receive financial aid from federal or state financial assistance programs, the student must exhibit satisfactory academic progress. Copies of Georgia State University's policy for determining satisfactory academic progress are available in the Office of Student Financial Aid and also on the Financial Aid website at [http://www.gsu.edu/es/financial\\_aid.html](http://www.gsu.edu/es/financial_aid.html).

Some programs offering financial assistance to students are administered by offices or organizations other than the Office of Student Financial Aid. Contact information concerning a particular program or group of programs appears with each listing.

Audited, orientation, and certificate courses are not covered by financial aid. Students are not eligible to receive financial aid for a course attempted more than three times.

For more information on financial aid see [http://www.gsu.edu/es/financial\\_aid.html](http://www.gsu.edu/es/financial_aid.html)

## **1230.10 Scholarships**

A scholarship is financial assistance which does not have to be repaid and is awarded to students based on academic excellence, civic achievements, course of study, or other specific criteria developed by the sponsor. For further details about scholarships available at Georgia State University, see the website for the student's college. Additionally, students may check the reference section in the Pullen Library for more sources of private scholarships. Information on scholarship sources may also be obtained by making an appointment to use the "scholarship search" at University Career Services, 404/651-2223 or <http://www.gsu.edu/career>.

### **Army Reserve Officers Training Corps Scholarships**

The ROTC Program provides two and three-year scholarships to Georgia State University students on a competitive basis. The scholarships pay tuition and fees, a book allowance, and a monthly stipend for a 20- or 30-month period. A student need not be enrolled in ROTC to apply for these scholarships. For further information contact the Military Science Department, 202 Courtland Building, or call 404/651-2275.

### **Scholarships for Students with Disabilities**

The Margaret A. Staton Office of Disability Services administers scholarships which are available to students with disabilities. Please call the Disability Services Office at 404/463-9044 for more information on these scholarships.

## **1230.20 Loans**

A loan is a form of financial assistance which must be repaid. While Georgia State University does not encourage borrowing, loans are frequently necessary to meet educational costs not covered by the student's income, the family's contribution, or grant and scholarship awards. When student loans are necessary, Georgia State University advises borrowing conservatively.

### **Federal Loans**

Undergraduate students with demonstrated financial need may borrow through the Federal Direct Subsidized Student Loan program. Independent undergraduate students may borrow additional funds through the Federal Direct Unsubsidized Student Loan program, and parents of dependent undergraduates may borrow through the Parent Loan for Undergraduate Students Loan program. The Office of Student Financial Aid will determine loan eligibility by year in school, prior indebtedness, and academic standing.

All recipients must be enrolled at least half-time in a degree seeking program, be a US citizen or an eligible non-citizen; be making satisfactory academic progress, cannot be in default or owe a repayment on a previous financial aid award, and must register with the Selective Service if required to do so.

### **Perkins Loan**

Federal funds are provided to the university for the purpose of making low interest, long-term loans available to students who have a need for assistance. Applicants must be U.S. citizens or eligible non-citizens and enrolled at least half-time. These loans bear no interest until six months after a student graduates or drops to less than half-time enrollment for a specified length of time. A portion of the loan may be cancelled for service as a teacher of handicapped children or for teaching in schools that

have a special designation from the Commissioner of Education. Under special conditions, service in the Armed Forces may cancel a portion of the loan. Students who serve as law enforcement officers or corrections officers after graduation may be able to have up to 100 percent of their loan cancelled. Eligible students with complete applications for student financial aid will be considered.

### **Private Loans**

Private loans, also known as alternative or commercial loans, help bridge the gap between the actual cost of education and the limited amount the government allows a student to borrow from its programs. Private loans are offered by many lending institutions. Terms and conditions can vary significantly from one institution to another.

### **HOPE Teacher Scholarship Loans**

The HOPE Teacher Scholarship Loan is for graduate study in critical shortage fields. The program is administered by the Georgia Student Finance Commission for individuals with a master's or specialist degree and undergraduates wanting to become a teacher. The program provides forgivable loans to individuals seeking advanced education degrees in critical shortage fields of study. Loans are repaid by teaching in a Georgia public school after a student earns an advanced degree. Applications are available from <http://www.gsfc.org>.

### **Nursing Faculty Service Cancelable Loan**

The Nursing Faculty Service Cancelable Loan program was developed by the Health Care Workforce Policy Advisory Committee and is funded by the Georgia Department of Labor and the Robert W. Woodrull Foundation. Georgia Student Finance Authority (GSFA) manages this graduate education service cancelable loan program. For more information contact <http://www.gsfc.org>.

## **1230.30 Work-Study and Employment**

Working part time while attending school is another way students may help pay for college expenses such as tuition, books, transportation, and meals. It can also provide valuable experience for resumes.

### **Federal Work Study Program**

The purpose of the Federal Work Study Program is to provide jobs for students who need financial aid. Applicants must demonstrate need. Eligible students will be placed in offices on campus. Eligible students with complete applications for student financial aid will be considered.

### **On-campus Employment**

Students may apply for part-time or full-time employment on campus while pursuing their academic programs. Temporary and regular classified staff positions are posted on the bulletin board in the Employment Office of Human Resources. A listing of employment opportunities is also available at <http://www.gsu.edu/jobs> and on the Job Opportunity Hotline at 404/651-4270. For further information, contact the Office Employment, 340 One Park Place, 404/651-3330.

### **Off-campus Employment**

University Career Services offers career services to students from freshman year through one year after graduation. For additional information, see section 1536.

## **1230.40 Other Sources of Financial Assistance**

### **Veterans Benefits**

The Office of the Registrar offers services to certify and assist students who are eligible for veterans' benefits. Any veteran who wishes to attend Georgia State University under any of the veterans' benefit programs provided by public law must apply to the Georgia State University Office of Admissions in the normal manner. It is advisable for a veteran who has not previously used any educational benefits to apply to the Department of Veterans Affairs for those benefits. For a veteran who will be transferring to Georgia State from another institution where educational benefits were received, a veteran must submit a *Request for Change of Program or Place of Training* form with the Department of Veterans Affairs concurrently with his or her application to Georgia State. As soon as the Georgia State Office of Undergraduate Admissions notifies the applicant of his or her acceptance, the applicant should contact the Office of the Registrar for further instructions.

Continuing students who wish to receive benefits must complete the Veterans Information Sheet through the Office of the Registrar each academic term. Students whose attendance was interrupted must renew their certifications at the beginning of the next academic term of attendance in which they wish to receive benefits. Those students who are certified on a term by term basis will routinely experience a break in benefit payments between academic terms and should contact the Veterans Administration Regional Office to ascertain the amount and schedule of their checks.

**Vocational Rehabilitation**

Certain physically or mentally disabled individuals enrolled at Georgia State University may qualify to receive financial aid through the State Vocational Rehabilitation Program. Students who think they may qualify under this program should contact one of the area vocational rehabilitation centers.

**1230.50 International Students, Students with Non-U.S. Academic Credentials, and Non-Native Speakers of English****International Students**

Only U.S. citizens or eligible non-citizens may receive federal financial aid or state of Georgia financial aid. Permanent residents, asylees, and refugees are eligible non-citizens. Holders of A, B, E, F, G, H, I, J, K, L or M visas are not eligible non-citizens. An individual who has applied for permanent resident status is not eligible until that status is approved. An individual may have resident status in the State of Georgia but not be considered a U.S. citizen or eligible non-citizen. An individual is not eligible on the basis of the status of family members, for example a parent or a spouse. All students that are not confirmed as U.S. citizens or eligible non-citizens by U.S. CIS on their initial application for Financial Aid are required to submit appropriate documentation to the Office of Financial Aid. The Office of Financial Aid is required to submit this documentation to U.S. CIS for secondary confirmation. Until secondary confirmation is received, an individual cannot be approved to receive financial aid.

**Emergency Tuition Assistance for International Students**

Short-term assistance with student tuition and fees is available through International Student & Scholar Services for students on nonimmigrant visas who are in temporary financial difficulties and are awaiting the arrival of tuition money from their home country. These loans are limited to one per student, per year, and must be repaid before the end of the semester in which they are incurred. For more information or to apply, contact International Services at 404/463-9073, or in person at Sparks Hall, Room 252.

**Students with Non-U.S. Academic Credentials**

There are no special financial aid rules for students with non-U.S. academic credentials.

**Non-Native Speakers of English**

There are no special financial aid rules for students who are non-native speakers of English.

**1240 Scholarships and Awards Offered Through a College or Department**

Some of the assistance opportunities listed in the following sections may be scholarships that require an application from the student, while others are awards that do not require application from the student. For questions concerning a particular program, please call the department, school, or college listed.

**1240.10 Andrew Young School of Policy Studies Scholarships**

For more information about these scholarships, contact the Office of Academic Assistance at 404/651-3504.

**Carolyn McClain Young Leadership Fund Award:** This scholarship is awarded to a student to provide leadership training opportunities for government officials, for junior executives in national finance ministries, and for young people who may be the leaders of tomorrow in countries with emerging economies, especially in Africa and the Caribbean. The student is chosen by a committee appointed by the dean.

**The Jack Blinksilver Scholarship:** This award goes to either a graduate or undergraduate student in a degree program in economics. The student will be chosen by a scholarship committee appointed by the dean.

**The Carole Keels Scholarship in Economics:** Awarded annually to a student enrolled in a degree program in economics. Preference is given to a nontraditional student based solely on merit.

**The Governor Joe Frank Harris Scholarship:** Combination of merit and financial need. In order to be eligible, the university must classify students as a Georgia resident, enrolled in AYSPS, and have an overall GPA of 3.0 on a 4.0 scale.

**The SAMA/SECAAE Scholarship:** Awarded to a junior or senior enrolled in an aviation degree program, preferably airport management, or pursuing a degree program with a major emphasis in aviation or airport management, with a cumulative GPA of 2.5 and 3.0 in aviation. Demonstrated financial need approved by Committee and documented by the Office of Student Financial Aid.



## 1240.20 College of Arts and Sciences Scholarships

For more information about these scholarships, contact the Dean's office at 404/651-1483.

**Lucile Sauls Allen Memorial Theory/Composition Scholarship:** Awarded to a student majoring in music who demonstrates exceptional talent and academic achievement in music theory/composition. This scholarship was established in 1991 by Susan Tepping, music faculty, and friends.

**American Society of Composers, Authors and Publishers (ASCAP) Music Scholarship:** Awarded to music majors based on merit and recommendation of applied instructor. Scholarship awarded by the Raymond Hubbell Scholarship Foundation of ASCAP.

**Atlanta Music Club Performance Scholarship:** Awarded annually, by competitive audition, to music majors who are permanent residents of the state of Georgia or are attending school in the state. Scholarship money may be used in any NASM accredited school in the U.S.A.

**The Susan Babush Memorial Scholarship Award:** This award is presented to a student who demonstrates artistic abilities (preference being in the area of graphic design) and financial need.

**John Bent Award for Excellence in Radio-TV-Journalism:** Awarded by the Atlanta Press Club to an outstanding journalism senior.

**Bobbie Bailey Music Industry Scholarship:** Awarded to a student majoring in music industry who demonstrates academic achievement in a music industry concentration in the School of Music. This scholarship was established in conjunction with the Atlanta Chapter of the National Academy of Recording Arts and Sciences.

**Suzanne Wakefield Bargeron Scholarship:** Awarded to a political science major with a commitment to scholarship and international understanding.

**Alfredo Barili String Scholarships:** Awarded to students majoring in music who demonstrate exceptional talent on a string instrument. This scholarship was established in 1996 by Dr. Cherry Emerson.

**Terry F. Barker Scholarship:** Awarded annually by the Terry F. Barker Fund, Inc., to a journalism or public relations major in memory of the Gwinnett Daily sportswriter and former student of the Department of Communication, Georgia State University.

**The Rick Bell Jazz Scholarship:** This scholarship is awarded to a student majoring in jazz studies who demonstrates exceptional music talent. This scholarship was established by Danny and Rick Bell and friends.

**The Haskell and Mabel Boyter Choral Music Scholarship:** Awarded annually to a Georgia State University junior or senior music major whose concentration is choral music education. The scholarship is based on demonstrated outstanding academic achievement and leadership in the choral art.

**Thomas M. Brumby Scholarship:** Awarded annually to a student majoring in music who has demonstrated exceptional talent on a keyboard instrument and outstanding academic achievement. This scholarship fund was established in 1988 through gifts from the Brumby family, university music faculty, and friends.

**The WGCL-TV Leigh Green Memorial Scholarship in Broadcast Journalism:** This scholarship is awarded to broadcast journalism major.

**William C. and Loula Nixon Cantrell Scholarship:** Awarded annually to a rising senior in either history or political science.

**Marion Bowen Davis Scholarship:** Presented annually to a female student who is enrolled in the School of Art and Design and who is majoring in illustration or painting, or in a major where fabric/fibers or wearable objects are aligned with the fashion field.

**John Demos Memorial Scholarship:** Awarded to a student majoring in music who demonstrates exceptional talent on a woodwind instrument, preferably clarinet. Established in 1998 by the Demos family and friends.

**William G. (Billy) Densmore Scholarship for Singers:** Awarded to a talented voice major who is selected to perform in the opera workshop. This scholarship was established in 2002 by Billy Densmore and friends.

**Darius and Nathan Flinchum Memorial Scholarship:** Established in honor of a former student and his father, this scholarship is awarded annually to a rising junior who has earned at least a 3.0 average and who is distinguished by excellent character. The scholarship is awarded to a classics major and covers tuition for one academic year.

**Edwin and Ina Gerschefski Cello Scholarship:** Awarded to a student majoring in music who demonstrates exceptional talent on the cello. This scholarship was established in 1999 by Martha Gerschefski and friends.

**The George Greiff Scholarship:** This scholarship is awarded annually to an outstanding print journalism student in honor of George Greiff, a former journalism professor at this university.

**Peter Stillwell Harrower Voice Scholarship:** Awarded annually to a student majoring in music who has demonstrated exceptional voice talent and outstanding academic achievement. This scholarship fund was established in 1988 through gifts from the Harrower family and friends.

**Florence Kopleff Vocal Scholarship:** Awarded to a student majoring in music who has demonstrated exceptional talent as a vocalist. This scholarship was established in 1998 by Miss Kopleff and friends.

**Bill Lowery Scholarship:** This scholarship is awarded annually to an outstanding student in the music industry program of the School of Music. Among the criteria for selection are academic excellence and service to the recording industry. The fund for the scholarship was established by friends of Bill Lowery, one of Atlanta's leading citizens and one of the music industry's outstanding music publishers.



**Henry T. Malone Memorial Scholarship:** Awarded to a meritorious history major with an overall grade-point average of 3.0 or higher. Preference is given to students with research interests in colonial America, nineteenth-century United States, Native American, or Georgia history.

**The John M. Matthews Distinguished Thesis and Dissertation Award:** Awarded annually to a graduate of the master's or Ph.D. program in history for an outstanding thesis or dissertation completed during the previous two-year cycle.

**The Tom McCollister Memorial Journalism Scholarship:** This scholarship is awarded to an outstanding journalism major who demonstrates an interest in sports journalism. BellSouth Classic and family members of the late Tom McCollister, a golf writer for *The Atlanta Journal and Constitution*, established this scholarship.

**Ralph Emerson McGill Award for Excellence in Newspaper Journalism:** Awarded by the Atlanta Press Club, this award is given to an outstanding journalism senior dedicated to a career working in the newspaper business.

**Arthur L. Montgomery Music Scholarship:** A scholarship awarded annually to a student majoring in music who has outstanding musical ability and whose talents meet the current needs of the School of Music. Established in May 1985, this scholarship is endowed by a gift to the Georgia State University Foundation/Friends of Music Scholarship Fund from Mr. and Mrs. Arthur L. Montgomery and the Jeanette and Lafayette Montgomery Foundation.

**Music Scholarships:** The School of Music provides scholarships to students who have outstanding musical ability, who have financial need, and whose talents meet the current needs of the school.

**The National Federation of Music Clubs Scholarship:** College scholarships and cash awards to music majors enrolled in any federated school or music club sponsored by the NFMCC. Student and young artist auditions are held in odd-numbered years.

**The Warren Newman Memorial Journalism Scholarship:** This scholarship is awarded annually to a junior or senior student majoring in journalism. The fund for the scholarship was established by family and friends of the late James Warren Newman, Jr., a young sports writer for *The Atlanta Constitution*. Selection is based on academic excellence and financial need.

**David Ogren Memorial Scholarship:** Awarded annually to the most outstanding senior geology major on the basis of professional activity, service, participation in departmental activities, and scholastic achievement.

**The Presser Music Scholarship:** The Presser Foundation Music Scholarship is awarded to a senior music major who demonstrates excellence in music and other academic subjects. The Presser Foundation, Bryn Mawr, Pennsylvania, and the School of Music award the scholarship.

**John Schneider Scholarship in Accompanying:** Awarded annually to a student majoring in music who has demonstrated exceptional keyboard talent and outstanding academic achievement. This scholarship fund was established in 1988 through gifts from Georgia State music faculty and friends.

**Scott-Norcostco Scholarship for Technical Theater:** This scholarship was established through the generous gifts of Norcostco, Inc., the Scott-Norcostco Foundation, and the Scott family and is awarded annually to an outstanding student in technical theater.

**The Robert W. Sellen Scholarship:** Awarded to a meritorious sophomore with a declared major in history and a minimum overall grade point average of 3.0.

**Mildred W. Seydell Scholarship:** Awarded annually to one or more journalism students on the basis of academic achievement, dedication to the profession, and leadership qualities.

**The Helen Riley Smith Voice Scholarship:** Awarded annually to a student majoring in music who has demonstrated exceptional vocal talent and outstanding academic achievement. The scholarship fund was established by the Smith family and friends.

**Society of Professional Journalists Scholarship:** Awarded annually by the national professional journalist society to the outstanding journalism graduate of the year.

**Mary Tallent Scholarship:** Awarded to a senior music industry student with a GPA of 3.0 or higher who has been active in service to the music industry. The Atlanta Chapter of National Academy of Recording Arts and Sciences established the award to honor Mary Tallent's service to the music profession and to Georgia State University.

**The Charles and Rosemary Hall Music Industry Scholarship:** Awarded to a junior or senior student majoring in the music industry with a 3.0 or higher GPA who demonstrates academic achievement in a music industry concentration in the School of Music. Preference will be given to students who are working part-time in a music industry-related business. This scholarship was established by Charles and Rosemary Hall and friends in 2000.

**TRISPRO, Inc., Scholarship:** This scholarship is awarded annually to an outstanding undergraduate major in theater or music. The players, singers, spouses, and friends of TRISPRO, INC established the scholarship.

**Margaret M. Towers Sculpture Scholarship Fund:** This scholarship is awarded to a deserving undergraduate student who is in good standing and has demonstrated interest and ability in art and design and needs financial assistance to take sculpture classes.

**Bailey M. Wade Memorial Scholarship:** Awarded to support graduate students who demonstrate need and merit and career goals in keeping with those manifested in the life of Dr. Bailey M. Wade during his life and tenure with the Department of Psychology.

**The Sam Wallace Memorial Scholarship:** Awarded annually to students in the music industry program of the School of Music. The criteria for selection are need and outstanding scholastic achievement. Music industry friends of the late Sam Wallace, an outstanding music industry executive and citizen of Atlanta, established this scholarship.

**John Warkentin Scholarship:** Awarded to a graduate student showing outstanding potential in psychotherapy as well as demonstrating financial need.

**Steven Winick Memorial Scholarship:** Awarded to a student majoring in music who demonstrates exceptional talent on a brass instrument, preferably trumpet. This scholarship was established in 1999 by the Winick family and friends of Steven Winick.

**Charles Thomas Wurm Music Scholarship:** Awarded to a student majoring in music who has outstanding musical ability and whose talents meet the current needs of the School of Music. Established in January 1985, this scholarship is endowed by a gift to the Georgia State University Foundation from Mr. and Mrs. Thomas G. Cousins in memory of his grandfather, Charles Thomas Wurm.

## **1240.40 Helping Outstanding Pupils Educationally (HOPE) Scholarships**

Helping Outstanding Pupils Educationally is a Georgia's unique scholarship program that rewards students' hard work with financial assistance in degree, diploma, and certificate programs at any eligible Georgia public or private college, university, or public technical college. HOPE awards cover tuition and some fee expenses. HOPE-BOOK is a stipend for books and supplies and disbursement is calculated based on hours attempted. However, this stipend may be applied to any outstanding fees for the term in which the stipend was awarded.

## **1240. 50 Awards, Fellowships and Scholarships**

**Lanette L. Suttles Scholarship:** Dr. William Suttles established this scholarship in honor of his wife Lanette, who has dedicated her life to teaching young children. The purpose is to provide on-campus childcare for Georgia State students who would otherwise be unable to attend the university. Scholarships are awarded once each year, and are based primarily on financial

**The George J. Malanos Economics Doctoral Scholarship:** Given in honor of Dr. George Malanos, late professor of economics and first chair of the department, to the Ph.D. student selected by the department as best exemplifying a commitment to the exchange of ideas and the creation of a community of scholars.

**Lettie Pate Whitehead Scholarship:** Awarded annually to outstanding students enrolled in the College of Health and Human Sciences or Criminal Justice. Recipients are selected on the basis of need, scholastic ability, residence in one of the nine Southern states, and good character. Applicants can obtain additional information from the College of Health and Human Sciences.

## **1240.60 College of Education Scholarships**

**College of Education Scholarship:** Two scholarships are awarded each fall and each spring to one undergraduate and one graduate student in the College of Education. Applications are available from the Office of Academic Assistance and Graduate Admissions, 300 College of Education Building, 404/651-2540. Application deadlines are October 1 and March 1.

**Paul Douglas Congressional Teacher Scholarship:** This scholarship is administered by the Georgia Student Finance Authority for the purpose of encouraging teaching careers at the preschool, elementary, or secondary school level. Priority consideration is given to students in the critical teaching fields. Georgia residents who graduated in the top 10 percent of their high school class and are planning to teach upon graduation should contact the Georgia Student Finance Authority at 404/493-5453.

**The Margaret Jones Scholarship:** This scholarship is awarded annually to an undergraduate or graduate student who is either preparing to teach or is currently teaching health and physical education at the elementary or middle school level. An undergraduate grade point average of 3.0 is required. Application forms may be obtained from the Department of Kinesiology and Health (404/651-2536) at the beginning of spring term.

**The Charles McDaniel Scholarship:** This scholarship is awarded annually to an outstanding junior or senior student who was a Georgia public high school graduate and who is now pursuing a teaching degree. A grade point average of 3.25 is required. Applications and further information may be obtained from the Office of the Dean, College of Education, 404/651-2580.

## **1240.70 College of Health and Human Sciences Scholarships**

For more information about these scholarships, contact the Office of Academic Assistance at 404/651-3064 unless otherwise noted.

**Lettie Pate Whitehead Scholarship:** Awarded to students enrolled in the Nursing, Nutrition and Respiratory Programs in the College of Health and Human Sciences. Recipients are selected on the basis of need, scholastic ability, residence in one of the nine Southern states. Applicants can obtain additional information from the Office of the Dean, College of Health and Human Sciences.

**Narviar C. Barker Scholarship:** This scholarship is awarded to a senior BSW student with at least a 2.5 grade point average who has demonstrated commitment to social advocacy, social justice, and family empowerment. Further information may be obtained from the School of Social Work.

**Marshall L. Bowie College of Health and Human Sciences Scholarship:** This scholarship was established in memory of Marshall L. Bowie, associate dean of the college, by his family and friends. Two \$2500 scholarships are awarded annually to full-time students in good standing enrolled in the College of Health and Human Sciences. The awards are open to undergraduate and graduate students. Selection priority is given for academic achievement, community service, involvement in college and university activities, and financial need. Further information and applications may be obtained from the Office of Academic Assistance, College of Health and Human Sciences.

**Maymi Walker Chandler “Class of 1939” Scholarship:** Three annual stipends of \$3,333 will be given for educational expenses to a baccalaureate, master’s, and doctoral student in the College of Health and Human Sciences with preference given to nursing students. The criteria for selection include grade point average, leadership ability, and financial need. Further information may be obtained from the School of Nursing.

**Louise B. Duncan Scholarship:** The Epsilon Alpha Chapter of Sigma Theta Tau provides a scholarship in the amount of \$500 that is awarded annually to an undergraduate nursing student upon completion of the junior year. The award is made on the basis of academic achievement, professional accomplishment, and commitment to nursing. Applicants should contact the School of Nursing for further information.

**James Ancil Lewis Award:** This award is given annually in memory of Jim Lewis, a 1973 graduate of the respiratory therapy program. The scholarship award recognizes the respiratory therapy student who shows concern for others in the clinical care of patients.

**Georgia Society for Respiratory Care Scholarships:** Two \$500 scholarships are offered annually to respiratory care students in the University System of Georgia. Awards are made based on financial need and academic achievement. Information and applications are made available to students in the Department of Cardiopulmonary Care Sciences.

**Merle Kennon Lott Scholarships:** These annual nursing scholarships provide funding for one returning RN-BS student and one MS or RN-MS student in the amount of \$1500 for each student. There is also a \$1000 dissertation award to a doctoral nursing student engaged in research that contributes to the body of Public Health Nursing knowledge. RN-BS and MS students must have worked in Public Health and have plans to continue their career in Public Health. For the dissertation award, the candidate must show how the outcome of their research will add to the body of Public Health/Primary Care Nursing knowledge. Eligibility requirements may be obtained from the Office of Records and Information in the School of Nursing.

**James L. Maddex, Jr. Scholarship:** This scholarship allows for one or more annual awards for criminal justice undergraduate or graduate students. Each recipient can receive an award of up to \$1,000 per semester for a total of four semesters, provided the student remains in good standing. The criteria include (1) current enrollment as a criminal justice student, (2) submission of a letter of application and a statement of goals, (3) demonstrated merit, and (4) a grade point average of 3.0 or higher. The annual application deadline is March 10. The application is available in the Department of Criminal Justice, 128 Urban Life Building, or on the Department’s website at <http://www.cjsu.net>.

**Phil Peters Scholarship Award:** The Department of Criminal Justice offers the Phil Peters Scholarship in honor of Phil Peters, Director of the Georgia Bureau of Investigation from 1980-1985. The annual application deadline is March 10. Interested Criminal Justice majors may pick up an application form from the Department of Criminal Justice, 1281 Urban Life Building; however, the completed application and two letters of reference should be submitted to the Georgia State University Office of Student Financial Aid. Requirements: Students must be Criminal Justice majors, graduate or undergraduate, with a minimum overall GPA of 3.0. Juniors must have completed a minimum of 60-69 semester hours, and seniors must have completed a minimum of 90-99 semester hours. Preference will be given to students who have indicated career goals in law enforcement or students who are already working in the law enforcement field. Undergraduate students must maintain a minimum enrollment of eight semester hours and graduate students must maintain a minimum enrollment of three semester hours.

**Chris Perrin Memorial Award:** This award was established by the Georgia Council of Juvenile Court Judges in honor of Chris Perrin, long-time advocate for children and Executive Director of the Council. The award, shared with the Department of Criminal Justice and the School of Social Work, is given annually to a social work or criminal justice student who meets the departmental criteria. Further information can be obtained from the department or school.

**Larry E. Quinn Memorial Award:** This award was established in memory of Officer Larry Quinn, DeKalb County Police Officer and Georgia State honor student killed in the line of duty. The award of \$300 is given annually to a criminal justice student to recognize both academic merit and honorable police service.

## 1240.80 J. Mack Robinson College of Business Scholarships

For more information about these assistance opportunities, contact the department or school that offers the scholarship or award. Phone numbers and locations for all RCB departments are listed in the RCB chapter of this catalog.

**The American Hotel & Lodging Association Scholarships:** The AH&LA administers several scholarships for hospitality majors including the Hyatt Hotels Fund for Minority Lodging Management Studies and the Arthur Packard Memorial Scholarship. These scholarships, awarded through a national competition, are based on academic performance, industry work experience, extracurricular involvement and career objectives. Applications are submitted through the School of Hospitality.

**American Institute of Certified Public Accountants Scholarships for Minority Accounting Students:** This is a program which provides awards of up to \$5,000 to outstanding minority students to encourage their selection of accounting as a major

and their ultimate entry into the profession. To be eligible, full-time undergraduate students must have at least a 3.3 grade point average and have completed 30 semester hours of college work, including five hours of accounting. These competitive scholarships are awarded each July for the following academic year. Students must apply by July 1 directly to AICPA Scholarship for Minority Student program. See the AICPA website (<http://www.aicpa.org/members/div/career/mini/smas.htm>) for application and further information. In 2002, a Georgia State University student was among the 187 students awarded \$600,000 through this 20-year-old program, which has distributed \$6,000,000 in scholarship funds.

**Robert W. Batten Actuarial Science Award:** Robert W. Batten served as director of Georgia State's Actuarial Science Program for 25 years. The Department of Risk Management and Insurance presents this award annually to the outstanding student in actuarial mathematics.

**AON Corporation.** This scholarship of up to \$5,000 is awarded to an undergraduate or graduate student enrolled in any academic program offered by the Risk Management and Insurance Department. Selection is based on scholarship and need. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Assurant Group Scholarship.** Assurant Group sponsors two annual \$2,500 scholarships. One award is given to an RCB junior or senior student majoring in risk management and insurance. The other award is given to a junior or senior RCB student majoring in actuarial science. Selection is based on merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Atlanta Broadcast Advertising Club Outstanding Student in Advertising Award:** This award is sponsored by the Atlanta Broadcast Advertising Club and presented to the most outstanding student in advertising at Georgia State. The criteria include scholarship, interest in the field, leadership, and character. Ideally the student should have completed the advertising sequence. The recipient is chosen by the faculty who teach advertising.

**Atlanta Association of Health Underwriters Scholarship.** This annual scholarship of up to \$1,000 is available to full-time juniors or seniors majoring in risk management and insurance or actuarial science. Candidates must have a minimum 3.0 GPA, at least 15 hours completed at GSU, and a completed internship. Selection is based on leadership ability, financial need, and an interest in pursuing a career in the life and health insurance industry. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Atlanta Association of Insurance Women, Inc.** This scholarship of up to \$2,000 is awarded to an undergraduate or graduate female student who is a risk management and insurance major and plans to pursue a career in the insurance field. Selection is based on need and scholarship. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to May 1.

**Atlanta Chapter, Risk and Insurance Management Society:** The Atlanta Chapter of RIMS sponsors scholarships of up to \$2,400 for undergraduate or graduate students with an interest in risk management and insurance. Selection is based on merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Atlanta Claims Association Scholarship:** This scholarship of up to \$2,500 is awarded to an undergraduate or graduate student who exhibits an interest in the claims function or who majors in risk management and insurance. Selection will be made on the basis of scholarship, past accomplishments and potential for growth. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Atlantic Mutual Companies Scholarship:** This scholarship of up to \$2,500 is awarded to an undergraduate or a graduate student majoring in risk management and insurance. Selection is based on merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to May 1.

**J. Ed Bell Scholarship:** This scholarship is named in honor of J. Ed Bell, a retired agency director of State Farm Insurance. Applicants for this scholarship must be full-time undergraduate or graduate students with a minimum Georgia State grade point average of 3.00. Other criteria include character, leadership ability, financial need, and an interest in pursuing a career in the life and health insurance industry. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**The Bergeron Women in Technology Leadership Fund** will award scholarships annually (expected to be in the range of \$10,000) to five female undergraduate or graduate students who have expressed or demonstrated high potential for leadership careers in technology. This scholarship fund uniquely partners a fully paid tuition award with a one-on-one mentorship program designed to assist high-potential women in their educational and career advancement. The Mentorship Committee will be chaired by Sandra Bergeron and is expected to include other female CEOs and female leadership models.

**L. E. Berry Graduate Fellowship:** Each year, an outstanding Masters of Professional Accountancy student who has excelled in Systems receives a cash award up to \$1,000 in honor of the retired Director of the School of Accountancy, Dr. L. Eugene Berry.

**Evelyn S. Bowyer Scholarship:** Endowed in memory of Evelyn S. Bowyer, alumna and longtime Georgia State University employee, by family, friends, and colleagues. This award is given annually to a woman majoring in finance. Academic performance and financial need are considered in determining the recipient of this award.

**Kathryn C. Buckner/PriceWaterhouse Coopers Scholarship:** Annually, in honor of Dr. Kathryn C. Buckner, PricewaterhouseCoopers selects two outstanding students to receive \$3,000 scholarships based on accounting achievements



and application to or enrollment in the Masters of Professional Accountancy, Masters of Taxation, or MBA program at Georgia State University.

**Business and International Education Award (BIE):** The U.S. Department of Education's "Business and International Education Program award is to support the Conduit to Global Competence project. The intent of this scholarship is to support the internationalization efforts of the Robinson College of Business student at Georgia State University.

**Thalia N. and Michael C. Carlos Scholarship:** Two annual scholarships have been established by the Michael C. Carlos Foundation for students in the Robinson College of Business who are residents of the state of Georgia.

**George Allen Chance III Scholarship:** Each year in honor of George Allen Chance III, a student with 15 or fewer credit hours of graduate work demonstrating high academic achievement in the Masters of Professional Accountancy program receives a cash award up to \$1,500.

**Commercial Real Estate Women of Atlanta Award:** A scholarship underwritten by the Staubach Company. The award includes \$1,000 and a one-year honorary membership in CREW Atlanta. The recipient is selected based on academic achievement, leadership skills, and potential success in a real estate career. Information is available from the Department of Real Estate.

**John W. Cook Scholarship:** Each year, a Masters of Professional Accountancy student with high academic achievement receives a cash award up to \$1,000 in honor of Dr. John W. Cook.

**The John H. Cowart Award:** Funded by an endowment established by John H. Cowart, Sr. (John Cowart Homes, Inc.), this award is given annually to one or more real estate students to pursue promising research under the direction of faculty in the Department of Real Estate. Both merit and need of candidates are evaluated. Information is available from the Department of Real Estate. The application deadline is January 31.

**CIGNA Scholarship:** This annual scholarship of up to \$2,000 is awarded to an undergraduate or graduate student majoring in actuarial science. Selection is based on academic performance and merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Cecil B. Day Endowment Scholarships:** Hospitality majors and certificate students are eligible to apply for these scholarships. The awards are based on exemplary academic performance and a commitment to the hospitality industry through work experience and involvement in professional associations and/or extracurricular activities. Contact the School of Hospitality for more information.

**Cecil B. Day Memorial Scholarships:** Administered by the American Hotel & Lodging Association, these scholarships are based on academic, work and campus/community involvement. Contact the School of Hospitality for additional information.

**Deloitte & Touche Achievement Award:** Each year, Deloitte & Touche recognizes a junior with high academic standing and evidence of leadership and promise in the field of accounting with a \$1,000 cash award.

**Deloitte & Touche Excellence Award in International Taxation:** Each year, a graduate student with outstanding achievement in International Aspects of Taxation (TX 8300) receives a cash award of \$1,000 sponsored by Deloitte & Touche.

**Norman X. Dressel Scholarship:** Each year, a student with good character and demonstrated scholastic achievement in the MBA or Masters of Professional Accountancy program is given a cash award up to \$1,500 in honor of Dr. Norman X. Dressel.

**Jack Dunn Scholarship:** This scholarship of approximately \$1,000 is in honor of the former Commissioner of Banking and Finance of the state of Georgia. It is awarded annually to an undergraduate finance major. The recipient must be of outstanding character and plan to pursue a career in banking. Selection is based on academic performance.

**Educational Foundation, Inc. Scholarship.** This scholarship is awarded to an undergraduate or graduate student majoring in a program offered by the Department of Risk Management and Insurance. The amount of award varies, and selection is based on merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Educational Foundation of Georgia Society of CPAs Accounting Excellence Award:** The senior accounting major with the highest grade point average receives a Certificate of Academic Excellence and a cash award of \$500.

**Ernst & Young Excellence in Taxation Award:** Each year, an outstanding graduate student in taxation receives a cash award up to \$1,000 sponsored by Ernst & Young.

**Financial Institutions Insurance Association Scholarship:** This annual scholarship of up to \$2,000 is in memory of Alice Berreysea, Executive Director of FIIA 1994-1999, whose dedication, professionalism, and grace helped to promote the bank insurance industry and expand FIIA into a recognized international trade organization. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to July 1.

**H. Talmage Dobbs Jr. Outstanding Finance Student Award:** This award is named after Mr. H. Talmage Dobbs Jr., past chairman of the board of Life of Georgia and an alumnus of Georgia State University. The award is presented to the outstanding undergraduate finance major over the past year. The criteria used to determine the recipient includes classroom performance and recommendations from past instructors.

**Faculty Recognition Award:** Each year, the faculty of the School of Accountancy recognizes an undergraduate student with high academic achievement, leadership in school activities, and professional aptitude with a cash award up to \$500.

**Federation of Schools of Accountancy Student Award:** Each year, the Federation of Schools of Accountancy awards an outstanding student with a recognition plaque and a cash award up to \$500 based on academic achievement.

**Financial Executives International – Atlanta Chapter:** Each year, the School of Accountancy nominates an outstanding junior or first-year Masters of Professional Accountancy student to compete for the Financial Executives International – Atlanta Chapter scholarship.

**Frazier & Deeter Scholarship:** Each year, Frazier and Deeter honors a Georgia State University student of high academic achievement with a cash award of \$750.

**Georgia CCIM Chapter Scholarship:** Funded by the Commercial Investment Real Estate Institute, the scholarship is given annually to one undergraduate real estate major planning a career in commercial real estate. In addition to the cash award, the recipient receives complimentary enrollment in the first course toward receiving the CCIM designation. The selection criteria include academic achievement, extracurricular activities, communication skills, and professional commitment. Information is available from the Department of Real Estate.

**Georgia Chapter of Chartered Property and Casualty Underwriters.** This scholarship awards up to \$2,000 to an undergraduate or graduate risk management and insurance major. Selection is based on need, scholarship, and character. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to May 1.

**Grant Thornton Achievement Awards:** Each year, two outstanding accounting students with high academic achievement receive a cash award of \$1,000 sponsored by Grant Thornton.

**Austin C. Hansen Memorial Scholarship:** In memory of a past chairperson of the School of Hospitality's industry board, Austin Hansen, this scholarship is based on academic and work achievements in the hospitality industry. Contact the School of Hospitality for additional information.

**Floyd S. Harper Award:** The late Dr. Harper was instrumental in the formation of the Georgia State Actuarial Science Program in 1958. The Department of Risk Management and Insurance presents this award annually upon graduation to the senior in actuarial science who exemplifies the qualities that Dr. Floyd S. Harper strove to develop in his students: scholastic achievement and character.

**Sidney and Mary Harris Travel Award:** Dr. Sidney E. Harris, former dean of the J. Mack Robinson College of Business, and his wife, Dr. Mary Harris, established the Sidney and Mary Harris Travel Award to support Robinson College of Business students to internationalize their program of study.

**Elmer Hedge Institute of Real Estate Management Chapter 67 Scholarship:** This scholarship is awarded to a real estate major based on sincere interest in the property management field, financial need, and academic performance. Information is available from the Department of Real Estate. The application deadline is January 31.

**Klaus Inkamp Scholarship:** Established by the International Special Events Education Foundation (ISEF), this scholarship is in memory of Klaus Inkamp, founding ISEF president and director of meetings and special events for Coca-Cola USA. The Coca-Cola USA Foundation underwrites the scholarship. Eligible students will be hospitality majors who are specializing in special event planning through coursework and industry experience. Contact the School of Hospitality for additional information.

**The E. A. Isakson Scholarship:** This scholarship established by the Atlanta Board of Realtors is in honor of Mr. Ed A. Isakson, past president of the Atlanta Board of Realtors. One or more scholarships will be provided each year for outstanding students majoring in real estate. The criteria for selection are need, scholastic achievement, and expression of a sincere interest in a professional career in real estate. Information is available from the Department of Real Estate. The application deadline is January 31.

**Josephine J. Isakson Scholarship:** This award is presented in memory of a prominent Atlanta-area real estate family to recognize superior academic achievement and potential. It may be awarded to either a graduate or an undergraduate student. Information may be obtained from the Department of Real Estate. The application deadline is January 31.

**Mrs. Tommie Jackson Scholarship:** This scholarship, established by realtors, honors Mrs. Tommie Jackson, executive vice president of the Atlanta Board of Realtors. The earnings from this fund are to be used to provide one or more scholarships each year for outstanding students majoring in real estate. The criteria for selection are scholarship, achievement, and an expression of a sincere interest in a professional career in real estate. Information is available from the Department of Real Estate. The application deadline is January 31.

**John Jordan Scholarship in Club Management:** This scholarship was established in honor of one of the club industry's preeminent leaders, retired general manager of the Cherokee Town and Country Club in Atlanta, John Jordan, MCM, CCM. Eligible students will be hospitality majors concentrating in club management through elective courses and work experience. Contact the School of Hospitality for information regarding the application process.

**The Clyde Kitchens Delta Sigma Pi Award:** This award was established by the Clyde Kitchens Foundation, Inc., to provide a \$1,000 scholarship to be awarded to an outstanding student in the Robinson College of Business. The award recipient is selected on the basis of academic performance and potential in the field of business.

**Leland and Whettan Award:** Each year, in honor of Leland Whettan, a student with outstanding ability in accounting theory or an outstanding senior accounting major is honored with a cash award up to \$1,000.

**Lockheed Management's Gold Key Award:** This award is presented to the outstanding graduating senior in marketing, based on eight or more combined semesters at Georgia State. Grade point average in marketing courses is the criterion along with a minimum of eight semesters completed at Georgia State.



**Catherine E. Miles Doctoral Fellowship:** Each year, in honor of the former director of the School of Accountancy, Dr. Catherine E. Miles, a doctoral student with high scholarly ability receives a cash award up to \$5,000.

**John W. Morgan Scholarship:** This \$2,500 annual scholarship was endowed by Pritchard & Jerden, Inc. and 11 of its employees in honor of their friend and colleague John W. Morgan. The scholarship will be awarded to an undergraduate or graduate student who exhibits a strong interest in the claims function and is majoring in risk management and insurance. Selection will be made on the basis of scholarship, character, and need. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**The James W. Morton, Jr., Memorial Scholarship:** This \$2,000 scholarship is awarded annually to a junior or senior majoring in risk management and insurance. The scholarship honors James W. Morton, Jr., a man instrumental in the development of the State Farm Insurance organization in Georgia. Selection is based on merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to May 1.

**Lori Muse Study Abroad Scholarship Endowment:** The Lori Muse Study Abroad Scholarship Endowment was established in memory of a former student, Lori Muse and her love for international travel. One student is awarded each spring.

**National Association of Black Accountants Leadership Award:** Each year, a member of the National Association of Black Accountants receives a cash award up to \$500 in recognition of leadership ability and contributions to the Georgia State University chapter of the National Association of Black Accountants.

**The National Association of Computer Consulting Businesses Scholarship (NACCB):** This scholarship was established in 1998 by a consortium of Atlanta businesses to assist a qualified undergraduate or graduate student (full-time). The annual award of \$1000 is presented to a computer information system major who best demonstrates a combination of academic excellence and financial need.

**National Restaurant Association Scholarships:** For hospitality majors specializing in the restaurant and foodservice areas, the NRA offers a number of scholarships that are awarded nationally. Contact the School of Hospitality for information on the specific scholarships and application details.

**New York Life International Fellows Program.** This fellowship is available for international undergraduate or graduate actuarial science or risk management and insurance majors. The New York Life Foundation selects recipients, and selection is based on merit. The award amount varies. Recipients are selected by New York Life. Candidates should apply to William R. Feldhaus, Ph.D., graduate program adviser in the Department of Risk Management and Insurance by May 1.

**New York Life Minority Fellows Program.** This scholarship is available for undergraduate, graduate actuarial science, risk management and insurance majors. The New York Life Foundation selects recipients, and the selection is based on merit. The award amount varies. Recipients are selected by New York Life. Candidates should apply to William R. Feldhaus, Ph.D., graduate program adviser in the Department of Risk Management and Insurance prior to May 1.

**Outstanding Minority Marketing Student Scholarship:** Awarded annually to one or more outstanding undergraduate or master's level marketing students, who are members of underrepresented minority groups. Students must be marketing majors with outstanding records and have the potential for successful careers in marketing. Deadline: mid-January; contact the Department of Marketing for details.

**PriceWaterhouseCoopers Excellence Award in Corporate Tax:** Each year, a graduate student with outstanding achievement in Taxation of Corporations and Shareholders (TX 8120) receives a \$500 cash award sponsored by PricewaterhouseCoopers.

**PriceWaterhouseCoopers Excellence Award in Tax Research:** Each year, a graduate student with outstanding achievement in Tax Research (TX 8030) receives a \$500 cash award sponsored by PricewaterhouseCoopers.

**The Rama Scholarship for the American Dream:** The Rama brothers, principals of JHM Hotels, established this scholarship. The scholarship is awarded annually to an undergraduate or graduate hospitality major. It is based on academic performance, hospitality work experience, financial need and extracurricular involvement. Administered by the American Hotel & Lodging Association, contact the School of Hospitality for additional information.

**Real Estate Education Association Harwood Memorial Scholarship:** Named in honor of Dr. Bruce Harwood, these \$250 scholarships are awarded to up to 10 students nationwide who plan careers in real estate. Recipients are selected based on academic achievement and letters of recommendation. Applications are available from the Department of Real Estate and should be returned directly to REEA by January 31.

**Real Estate Educators Association Technology Scholarship:** Two \$500 scholarships are awarded nationwide in honor of Dr. Donald E. Bodley. Recipients are selected based on academic achievement, letters of recommendation, and an essay on the role of technology in the future of the real estate profession. Applications are available from the Department of Real Estate and should be returned directly to REEA by January 31.

**The Pickett Riggs Scholarship:** This scholarship was established by the Young Alumni Council of Georgia State to honor Mrs. Pickett Riggs, former teacher of quantitative methods (decision sciences), who was one of the university's most highly esteemed teachers. The scholarship will be awarded each year to the graduate or undergraduate student in the Robinson College of Business who exemplifies those ideals which Mrs. Riggs valued and encouraged: high scholastic achievement, leadership abilities, and commitment to Georgia State University. Applications may be obtained from the Office of Academic Assistance in the Robinson College of Business. Completed applications must be returned to the Alumni Office, G88 Alumni Hall, by February 28.

**Risk Management and Insurance Alumni Club Undergraduate Student of the Year Award:** Selected by the faculty of the Department of Risk Management and Insurance, this award recognizes the most outstanding undergraduate student in the Risk Management and Insurance program. This is a \$500 cash award.

**Nita Robinson Scholars:** In honor of Mrs. Nita Robinson, J. Mack Robinson has pledged \$1 million to perpetuate a program to encourage Robinson College of Business students to further their understanding of the global business environment. Awards are made to students who are involved in the College's Institute of International Business or who plan to undertake a study abroad program or international internship. The Nita Robinson Scholars program will annually recognize up to 25 undergraduate and master's-level students. Eligibility is based on having a 3.5 or higher GPA and being currently enrolled in a RCB degree program AND completing the third year of the BBA program OR completing the first year of a Robinson College master's program. Applications may be obtained from the Institute of International Business or the IIB Web site: [iib.gsu.edu/NitaRobinson/about.html](http://iib.gsu.edu/NitaRobinson/about.html).

**The James R. Rozelle Memorial Fund:** This fund is awarded annually for the computer information system undergraduate major who has shown the greatest aptitude for computer programming as determined by grade point average and instructor nomination. This award was established to honor the late Dr. James Rozelle who was on Georgia State University faculty for over 25 years.

**Society for Information Management Scholarship (SIM):** This fund is awarded annually for the computer information system undergraduate major who has shown a combination of the greatest financial need combined with the highest academic capabilities. Academic aptitude is determined by grade point average and instructor nomination. This award was established by the Atlanta chapter of SIM, a major non-profit national IT professional organization.

**Society for the Marketing of Professional Services Atlanta Chapter Scholarship:** This \$1,000 scholarship is awarded every other year and is dispersed equally over a three-semester period. It is offered to a deserving marketing major who meets these criteria: junior-class standing, outstanding grade point average in at least 45 semester hours of credit at Georgia State University, interest in a career in the marketing of professional services, character, and need.

**Southeastern Actuaries Conference Scholarship:** At least three full (resident) tuition scholarships are awarded annually to undergraduate actuarial science majors on the basis of scholastic achievement, financial need, character, and participation in extracurricular activities. They are renewable, contingent upon outstanding performance and continued need. Candidates should apply to the Shaun Wang, Ph.D., director of the actuarial science program in the Department of Risk Management and Insurance prior to May 1.

**Southern Loss Association Scholarship:** The Southern Loss Association awards a scholarship annually to an undergraduate or graduate student who is majoring in risk management and insurance and who exhibits traits of leadership and scholarship. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**Robert S. Spencer Memorial Foundation Scholarship:** The Robert S. Spencer Memorial Foundation, Inc., provides a scholarship of up to \$10,000 to an undergraduate or graduate student who intends to pursue a career in risk management. The scholarship honors the late Robert S. Spencer, a leader in the development of the risk management discipline and past president of the Risk and Insurance Management Society (RIMS). Selection is based on merit. Candidates should contact the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance for the details by December 1.

**The Sprint Scholarships:** These scholarships are four, \$500 annual awards presented to deserving junior- or senior-level students. Students must have a minimum 3.5 GPA and demonstrate a financial need.

**Henry F. Stabler Award:** Each year, in honor of Dr. Henry F. Stabler, an accounting graduate student with high academic qualifications receives a cash award up to \$1,500.

**The C. V. Starr Scholarship Fund:** This fund, endowed by the Starr Foundation in honor of Cornelius Vander Starr, founder of the American International Group (AIG), provides scholarships of up to \$4,000 to full-time students majoring in actuarial science or risk management and insurance. Priority is given to graduate students, although undergraduate students who have completed at least two years of course work and have outstanding potential may be considered. The scholarship may be held for two years. The amount of the scholarship may be adjusted on the recommendation of the Scholarship/Fellowship Committee. The scholarship is paid on a semester basis after review of the recipient's record. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance by May 1.

**The Tausche Martin Lonsdorf Scholarship:** This scholarship is presented annually to an outstanding junior marketing major. This \$1,000 scholarship is funded by the local marketing, advertising, and public relations firm, Tausche Martin Lonsdorf. Selection committee will be made up from the faculty of the Department of Marketing. Selection criteria include scholastic accomplishments, grade point average, character, and need. Applications may be obtained from the Department of Marketing's scholarship coordinator. The application deadline is March 15.

**Ben Trooboff Marketing Award:** This award is presented by the Atlanta Chapter of the American Marketing Association to the outstanding marketing student. The criteria include but transcend scholarship. Student activities are an important criteria of this award.

**Gary Winkle Award:** Each year, in honor of Dr. Gary Winkle, a student in the Masters of Professional Accountancy program with high scholastic achievement receives a cash award up to \$1,500.

**Leland Whetten Award:** This award is presented to an outstanding student in accounting theory or a senior accounting major. This award is given in honor of Dr. Leland C. Whetten, former professor of accounting at Georgia State University.

**Eli A. Zubay Actuarial Science Award:** The Department of Risk Management and Insurance presents this award annually to the undergraduate actuarial science major with the highest overall grade point average from among those with at least 90, but not more than 150, semester hours. In addition, the recipient must have completed at least 20 semester hours of actuarial science course work with no grade lower than a grade of B.

# 1300 University Academic Regulations

## 1302 General Information

### 1302.10 University Academic Policies

All students at Georgia State University are responsible for learning and observing all regulations and procedures required by the university and by the college and program or status in which they are enrolled. In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation or asserts that he or she was not informed of a specific requirement by an adviser or other university authority. This chapter contains the academic regulations of the university. See the other parts of this catalog for information on the academic regulations of the various colleges and departments.

All students must become especially familiar with (1) this chapter, (2) the following chapter on university degree requirements and graduation, (3) their college's chapter of this catalog, (4) the offerings and requirements of their major, and (5) the contents of the online *Registration Guide* found at [http://www.gsu.edu/es/registration\\_guide.html](http://www.gsu.edu/es/registration_guide.html), which also contains notices of changes in academic regulations or procedures.

While the provisions of this catalog will ordinarily be applied as stated, Georgia State reserves the right to change any provision listed in this catalog, including, but not limited to academic requirements for graduation, without actual notice to individual students. The university will make every effort to keep students advised of any such changes. Students must note especially their responsibility to keep apprised of current graduation requirements for their particular degree program.

### 1302.20 Student Computer Access Requirement

Each student enrolled at Georgia State University must have access to a computer, and any course offered at the university may require computer-based work. Further, the student's computer must provide access to email accounts, the World Wide Web using a current browser, and spreadsheet and word processing software. Departments and other units may establish minimum machine capability and software requirements, including the requirement that a student in a certain degree program must own a computer. It is the responsibility of each student to ensure his or her access to a computer. Computers are available in the open-access computer laboratories on campus that provide the basic level of computer capabilities, but these laboratories are heavily used and cannot guarantee a student access to a computer at a particular time.

### 1302.25 Georgia State University E-mail

Every student is assigned an official Georgia State University e-mail address at the time of acceptance. It is essential that students regularly check this e-mail account. Academic departments and student service units across campus use e-mail as a means of communicating with students about official university business, and students are held responsible for this information. Email from Georgia State will be sent to the student's official Georgia State e-mail address. It will not be sent to any other address (such as a Hotmail or Yahoo account). However, students may configure their Georgia State account to forward to another address.

### 1302.30 Academic Calendar

Georgia State University is on a semester system, and academic credit is awarded in semester hours. The fall and spring semesters are approximately 15 weeks each. Summer semester is composed of three-week classes in May as well as six-week and seven-week classes beginning in June. Enrollment in the three-week classes, six-week classes, or seven-week classes counts as having been enrolled in summer semester.

For students enrolled at Georgia State before fall 1998 who are completing the quarter system curriculum, transition manuals have been prepared to assist them in completion of their programs. Copies are available from the Office of Academic Assistance of each college (major-related undergraduate and graduate information).

## 1310 Academic Advisement and Development

Academic advisement is an essential component of an education at Georgia State University, and the university is committed to providing the individual advice and assistance that students need at every step of their degree programs. Academic orienta-

tion is required of all new undergraduate degree-seeking students entering Georgia State. Freshmen are required to attend Incept: New Student Orientation (described in next section). Transfer students must attend Incept (preferred), join a Freshmen Learning Community, meet with an academic adviser, or attend a group advisement session scheduled by the Student Advisement Center or by a college Office of Academic Assistance.

### 1310.10 Incept: New Student Orientation

The Office of New Student Programs is committed to recruiting, retaining, and developing Georgia State University's new students. The office facilitates the transition of new students through Incept: New Student Orientation.

At Incept, students will learn about their degree requirements through group academic advisement. This opportunity will give students a better chance of getting the courses they want at the times they prefer. Students will also meet Georgia State's faculty and engage in informal dialogue about the college classroom experience, tour Georgia State's unique urban campus, and become familiar with classroom locations. Students will also have the opportunity to meet future classmates, explore student and campus services, visit with student organizations (including fraternities and sororities), and discuss campus issues with Georgia State's finest student leaders. Incept: New Student Orientation is mandatory for all new freshmen and strongly encouraged for all new transfer students.

The Office of New Student Programs is located in Suite 265 of the Student Center. For more information, please call 404/463-9065 or visit <http://www.gsu.edu/incept>.

### 1310.20 Placement Testing

A math placement test is recommended for all students who do not have credit for an Area A math course and is required for students who wish to take Math 1111, College Algebra, or higher. See Section 1410.10 for information about math course requirements for different majors. This test is given during scheduled times in the university's Testing Center. See <http://www.gsu.edu/testing> and click on Math Placement. Students may not register for a math course higher than indicated by their placement test score.

Placement exams in French, German, and Spanish are also available to help students determine the course most appropriate for their ability in French, German, or Spanish. Prerequisites in these courses are enforced. (See Section 9000, Course Descriptions, for the prerequisites of French, German, and Spanish courses.) Students may satisfy the prerequisites either by taking the indicated course or by taking the French, German, or Spanish placement exam and earning a satisfactory score. Students may take the exam from any computer with internet access and a browser. Go to <http://www.gsu.edu/languages> and click on the tab for the WebCAPE placement exam. The user name is "gsu user" and the password is "panthers1". Each test takes approximately 20 minutes to complete, and students are given their score and a recommendation for a class level. It is recommended that students print a copy of the email regarding their scores to keep for their records and academic advisement. Note: This exam is not part of Incept: New Student Orientation, so new students should take the exam before attending orientation or attempting to register for a French, German, or Spanish course. For further information, please contact the Department of Modern and Classical Languages at <http://www.gsu.edu/languages> or e-mail at [mclinfo@gsu.edu](mailto:mclinfo@gsu.edu).

Students who are non-native speakers of English must take the Georgia State University Test of English Proficiency (GSTEP) before registering for classes. If the GSTEP was taken as part of the application process, this requirement is waived. Depending on their scores, these students may be assigned work in the Intensive English Program. See <http://www.gsu.edu/iep> for information about the Intensive English Program.

### 1310.30 Student Advisement Center

255 Sparks Hall

<http://www.gsu.edu/es/advisement.html>

Advisers: Eric Brown, Brian Buchwald, Elisha Jarrett, Jennifer Lee, Beatrice Logan, Belinda Mack, Cliff Poole, Charmayne Richardson, Annie Turman, Lisa Zanders

All undergraduate students are advised in the Student Advisement Center until they have completed 42 semester hours of credit and declared a degree program (in business, health and human sciences, education, or policy studies) or major (in arts and sciences). Upon meeting both criteria, students are transferred to the appropriate college's Office of Academic Assistance for future advisement.

Advisers in the center can assist students in the following ways:

1. Evaluate transfer work and apply it to the Georgia State degree program
2. Explain catalog regulations
3. Provide academic counseling
4. Explain academic standing policies
5. Discuss goals



6. Assist with degree and major choices for undecided students
7. Help students who are experiencing academic difficulties
8. Provide direction to campus resources for further assistance

Students may schedule advisement appointments by calling the center at 404/463-9500. Walk-in advisement is also provided during specific walk-in hours (contact center for schedule) for students who have brief questions that can be resolved in ten minutes or less.

## 1310.40 Undergraduate Studies

Office of Undergraduate Studies  
224 Sparks Hall  
<http://www.gsu.edu/flc>

Nannette Commander, Assistant Vice President for Recruitment and Retention & Director of Undergraduate Admissions  
Staff: John Austin, Greg Chisholm, Carolyn Codamo, Elizabeth Firestone, Gary Longstreet, Margarita Munoz, Peggy Ogden

The Office of Undergraduate Studies provides leadership and direction for the following programs: Atlanta-Based Learning (ABL), Freshmen Learning Communities (FLC), Latino Services and Outreach, Supplemental Instruction (SI), State Scholars, and the GSU 1010 New Student Orientation courses and college-wide offerings for the Perspectives courses.

**Atlanta-Based Learning (ABL).** Atlanta-Based Learning promotes academic and civic engagement with the greater Atlanta community. As an urban research institution in Atlanta, Georgia State University offers an opportunity for students to understand the context in which they are developing as learners. While engaged in “Campus Atlanta,” students experience the advantages of attending an institution directly linked to its urban environs. Atlanta-Based Learning activities generate connections between the academic curriculum and the urban Atlanta environment.

**Freshmen Learning Communities (FLC).** The Freshmen Learning Community (FLC) program is strategically aligned with university initiatives to provide quality undergraduate programs and to increase student success and retention. Learning communities provide first-year college students with a formative, integrative academic experience on which to build lifelong strengths and perspectives and help students develop connections to the Georgia State campus and its resources. FLCs are designed around clusters of freshmen-level courses tailored to a particular topic. Students only have to register for their FLC, not each individual course, to be assigned to each of the classes in the course cluster for their first semester at Georgia State. Learning community members take all of the specified courses with students who have selected the same interest group. In addition, each group has one or more faculty advisors. Together, this group creates a small, friendly community within the large research university. During their second semester, students may take one course connected with the FLC in addition to other courses of their choice.

**Latino Services and Outreach.** The Latino Services and Outreach program provides a “one stop shop” for information regarding financial aid, scholarships, internships, academic advisement, and career counseling. The main goal of the program is to provide a comprehensive support system necessary for students to be successful in college. Outreach efforts with middle and high school students provide a solid foundation for undergraduate activities that focus on building community and connection among students. In addition, the program offers educational opportunities for parents and community members interested in promoting higher education goals within Atlanta’s Latin American and Hispanic community.

**Supplemental Instruction (SI).** Supplemental Instruction (SI) is a proven academic support program sponsored by the Office of Undergraduate Studies and specific departments across campus. It is based on the national model from the University of Missouri-Kansas City. It offers free, out-of-class, group study sessions for traditionally difficult courses. Sessions are led by students who have successfully completed the target course and have been selected to be SI leaders. These leaders attend class along with the students and are available to meet with students outside of class at specific times. Attendance at SI sessions is voluntary. The list of classes supported by Supplemental Instruction each semester is available on the website:

<http://www.gsu.edu/es/21679.html>

**State Scholars.** The State Scholars Program provides support and oversight of Georgia State’s academically high achieving students. State Scholars are students who are Presidential and Berner Scholars, recipients of awards from The Goizueta Foundation Scholars Fund, University Scholar Assistants, and students invited to join the Community of Scholars at the Lofts based on a freshman index score of 3000 or above. The Community of Scholars at the Lofts is a unique living-learning environment that strives to create an atmosphere conducive to studying while providing programming, faculty involvement, and cultural activities geared especially for State Scholars.

## 1310.50 Learning Support Program

The Learning Support Program (LSP) is for undergraduate students admitted on an exceptions basis who need remedial assistance in the areas of math, reading, and/or writing. The following courses are part of the program:

|                      |           |
|----------------------|-----------|
| Academic Reading     | EdRd 0071 |
| Academic Writing     | Engl 0081 |
| Elementary Algebra   | Math 0098 |
| Intermediate Algebra | Math 0099 |

Students normally register for required LSP courses before registering for other courses. LSP courses do not count towards degree requirements or a student's GPA at Georgia State University. They are, however, used to calculate a GPA for HOPE, Pell and other financial aid awards, and the courses and grades earned appear on a university transcript.

Approval to enroll in some degree credit courses in addition to the LSP courses may be granted if prerequisites for the degree courses are met and the student has not exceeded other LSP limits (see below).

**Advisement and Enrollment.** It is very important that LSP students meet each term with an academic adviser for advice regarding course selection. For this reason, an advisement hold is placed on each LSP student's record each term. The hold is lifted after the student has seen an adviser in the Student Advisement Center.

Any student experiencing difficulty and/or considering withdrawing from an LSP course during the term must first meet with an adviser. The adviser will inform the student of the program's withdrawal policies, including the right to apply for hardship withdrawal if an emergency situation exists.

Students are allowed a maximum of three attempts per academic area to pass all required courses in that area. Any grade other than a W counts as an attempt. If a student does not complete an academic area within 12 semester hours or 3 semesters, whichever occurs first, the student will be suspended from the university for three years.

**Exiting the Program.** Students exit LSP by earning a passing score on the COMPASS test. Students who have passed an LSP course but not passed the COMPASS must re-enroll in the relevant LSP course. The passing COMPASS scores are as follows:

Reading, 74  
Writing, 60  
Math, 37 (on the COMPASS Algebra test)

Students must successfully exit LSP before they earn 20 hours of degree credit. If students do not complete their requirements before they have attempted 20 semester hours, their registration will be restricted to LSP courses only.

Requests for waivers to any of the above regulations should be submitted to the Director of the Student Advisement Center for review and approval by the university's Admissions and Standards committee.

## 1310.55 College Preparatory Curriculum Requirements

The Board of Regents of the University System of Georgia requires all students to have completed sufficient English, math, science, social science and language courses in high school as preparation for college-level coursework. Students admitted to Georgia State with a deficiency in one or more of these areas must make up the deficiency by taking Georgia State core classes (science, social science, or language) or passing the COMPASS proficiency test (English or math). The Student Advisement Center will advise students about which courses they can choose from to complete a CPC requirement. Credits earned in courses taken to meet CPC requirements do not count toward graduation requirements. A grade of C or higher is required, and grades earned in these courses are counted in the student's GPA. Students must complete all CPC-required courses before they earn 30 hours and in their first three semesters of enrollment. Otherwise they may not register for any courses except CPC courses until all requirements are complete.

Some transfer students are admitted with CPC requirements that were satisfied at a previous college or university. In this case, transfer courses used to satisfy CPC requirements may not be used toward graduation requirements at Georgia State.

## 1310.60 Honors Program

The Honors Program for the University is offered through the College of Arts and Sciences. Courses in the program are available to all eligible students regardless of the college in which they are enrolled. A detailed description of the program and the selection criteria are listed in the "College of Arts and Sciences" chapter of this catalog or visit the Honors Program website at <http://www.gsu.edu/honors>.

## 1310.70 Cooperative Education

Cooperative education programs provide for periods of paid work experience related to the student's area of study and/or career interest. These work experiences enhance the student's academic studies and provide a first hand look at the real world of work. Cooperative education opportunities are available for students in a variety of fields with many employers in business, industry, and government. The program is optional but available to all qualified students.

Students who are completing cooperative education experiences on a full-time basis will be designated as full-time students. University Career Services will provide the names of these students to the Office of the Registrar.

Students who have completed cooperative education experiences on a full-time basis as part of their academic programs will have a transcript notation stating which semesters were spent in cooperative education employment.

Interested students should contact University Career Services, 210 University Center, <http://www.gsu.edu/career>.

## 1310.80 International Student and Scholar Services

International Student & Scholar Services (ISSS) provides support for Georgia State University's non-immigrant international student, faculty, and researcher population, their dependents, and any foreign-born citizens and permanent residents of the United States who may need services. Services include orientations, immigration advisement, international student and scholar insurance support, student advocacy, and other personal assistance in adjusting to and joining the university community. The office staff serves as a liaison with all academic departments, the diplomatic corps, and a variety of international agencies and publishes a newsletter focusing on issues of interest to international students. International Services also offers assistance to academic departments wishing to invite foreign scholars or hire foreign faculty. Information concerning programs and services is available in 252 Sparks Hall, by calling 404/463-9073, or online at <http://www.gsu.edu/iss>.

Small loans are available for non-tuition personal expenses through the Eva Whetstone International Student Emergency Loan. Out-of-state tuition waivers may be available to F-1 and J-1 status degree-seeking international students on a competitive, need-based basis after completion of one academic year of study.

**International Student Orientation.** Prior to registration at the beginning of each semester, an orientation program is offered to provide assistance to new students on nonimmigrant status. Students receive information and advice concerning federal immigration regulations, the academic system in the United States, academic advisement and registration, the Atlanta community, and the mandatory health and accident insurance.

**International Student Associations.** Georgia State University has approximately twenty international student organizations that focus on celebrating the many countries and cultures represented on campus. They provide assistance for new and continuing international students, present cultural activities and events, and seek ways to share their culture with the campus. Information about the various associations and their umbrella group, the International Student Association Council, is available in the International Services office, and online at <http://www2.gsu.edu/~wwwsta/org.htm>.

**International Student Health Insurance.** International Student Health Insurance is mandatory for all international students and scholars in F and J status enrolled at Georgia State, and it is optional for other nonimmigrant status students. A special international student health and accident insurance policy is made available each academic year, and payment of the insurance premiums is collected along with tuition during the process of registration. Individuals who may already be covered by a policy are required to submit information about the existing policy to [www.studentinsurance.com](http://www.studentinsurance.com) for review and exemption approval the semester before enrollment.

## 1320 Course Credit

This section describes the various ways students may earn credit for Georgia State University courses without actually taking those courses at Georgia State.

### 1320.10 Transfer Credit Policy

When an applicant is accepted for undergraduate transfer admission, courses completed with grades of C or higher that parallel the curriculum of Georgia State University will be accepted for transfer credit. As discussed below, some credit may be awarded for courses completed with a grade of D. Developmental, vocational, and occupational courses will not be accepted for transfer credit. Credit must have been earned at institutions of higher education with full accreditation by a regional association of colleges and schools and, where appropriate, the Commission on Colleges. The determination of how transfer credit may be used to satisfy the specific course requirements for a degree is made by the Student Advisement Center or the college that administers the degree program requirements. The college may also choose to test the student's proficiency in transferred coursework.

- A maximum of 12 semester hours where grades of D have been earned may be applied toward degree requirements. These 12 semester hours include both resident credit (earned at Georgia State) and transfer credit. Transfer credit

will not be given for English composition courses where grades of D have been earned. Additional restrictions in credit accepted for courses where grades of D have been earned are included in certain degree programs. Be sure to check the description of your planned program in this catalog.

- No credit will be awarded for a grade earned at a foreign institution that is equivalent to a grade of D in the United States.
- A maximum of 60 semester hours from a two-year college or 81 semester hours from a four-year college may be applied in the program for which the applicant enrolls. Courses completed at a two-year college will be granted lower-division credit. The total number of hours that may be earned toward a degree by extension or correspondence courses may not exceed 30 semester hours.
- Because the university has a minimum academic residence requirement, the amount of transfer credit applicable to a degree program may be further limited (see Section 1430).
- Georgia State does not grant credit for College-Level General Educational Developmental Tests, USAFI courses, or courses completed at any United States armed forces service schools, with the exception of the military academies. For information on DANTES examinations, see Section 1320.40.

For those students seeking a baccalaureate degree, transfer credit for degrees previously awarded by other institutions will be granted as follows.

1. Students will be granted credit for all of Areas A-E of the core and the Regents' Test if they hold one of the following:
  - a baccalaureate degree from a regionally accredited institution of higher education in the United States
  - the equivalent of a baccalaureate degree from a regionally accredited institution of higher education in the United States (as certified by Georgia State or a Georgia State-approved agency such as Joseph Silny and Associates, Inc.)
  - an associate's degree designed to transfer to a baccalaureate program from a USG institution
2. However, there are two exceptions to the policy stated in 1 above.
  - Students seeking a baccalaureate degree in biology, chemistry, computer science, geology, mathematics, physics, science education, or math education who do not hold a baccalaureate degree in one of these fields will only be granted credit for all of Areas B, C, and E. They will be granted credit in Areas A and D on a course-by-course basis.
  - Students seeking a baccalaureate degree in nursing, nutrition or respiratory therapy will only be granted credit for all of Areas A, B, C, and E. They will be granted credit in Area D on a course-by-course basis.
3. Students who hold any other associate's degree, such as an associate's degree from a non-USG institution or an associate's degree not designed to transfer to a baccalaureate program, will be granted transfer credit on a course-by-course basis.

## 1320.20 Credit Transfer for Transient Students

The following regulations pertain to academic credit earned by a Georgia State University degree-seeking undergraduate as a transient student at another accredited institution that the student wishes to receive transfer credit toward a degree at Georgia State. Terms other than transient (such as visiting student, unclassified student, or special student) may be used at other institutions to describe this status. Whatever the term used to describe the student's status, these regulations are applicable to Georgia State students who enroll temporarily at the other institution, with the intention of returning to Georgia State, rather than to students who officially transfer to another institution. These regulations are in addition to those described in this chapter regarding correspondence and extension work.

These regulations do not apply to credit earned through cross registration, which is considered resident credit.

In general, the philosophy that underlies these regulations is the desire to allow students the opportunity to take courses not available at Georgia State that would enhance their degree programs. In addition, for students who have moved from the metropolitan Atlanta area, these provisions allow for possible progress toward the degree during the time away from Atlanta if the move is temporary or for possible completion of the degree if the move is permanent. These regulations are not primarily for the short-term convenience of the students. The following procedures apply:

1. A degree-seeking undergraduate student who wishes to take academic courses elsewhere as a transient student and apply those credits toward the Georgia State degree must obtain written approval in advance from the Student Advisement Center or the Office of Academic Assistance of his or her college. Failure to obtain written approval in advance may preclude acceptance of the transfer credit and/or will result in the student being required to meet the degree requirements of the catalog in effect at the time he or she reenrolls at Georgia State. The student's advisement office should be consulted to determine the proper procedure for requesting to take courses as a transient student and to learn of any additional regulations applicable to the individual college;
2.
  - a. A student must have a minimum Georgia State cumulative GPA of 2.00 and the GPA required to enroll in the Georgia State course which is most similar to the course the student wishes to take as a transient.
  - b. A currently enrolled student who does not have the required Georgia State cumulative GPA cannot be approved until the current semester's grades are available and the current academic standing can be determined.
  - c. Approval will not be granted more than three months in advance of the semester the student wishes to enroll elsewhere.

3. The content of each course to be taken elsewhere must correspond to that of a course allowed or a Georgia State course required in the student's degree program. Course outlines (syllabi) and catalog information may be required so content can be evaluated before approval is granted.
4. A course cannot be taken at an institution in the metropolitan Atlanta area as a transient student if either of the following conditions apply:
  - a. the course has previously been attempted at Georgia State (including attempts which resulted in a withdrawal);
  - b. the course or an appropriate substitute is routinely available at Georgia State (that is, offered each semester or on a specified regular basis, such as every fall); determination of whether the course is routinely available is made by the advisement office in consultation with the chair or director of the academic unit that offers the course.
5. A student may not take courses for degree credit at another institution during the semester he or she expects to graduate from Georgia State.
6. In general, a minimum grade of C is required in any course taken elsewhere. A grade lower than C can be accepted only if both of these conditions exist: the student has not yet earned the maximum number of grades of D permitted in his or her program AND the student's degree program allows a grade of D in the particular course taken elsewhere.
7. Approval to take courses as a transient cannot be given if such approval will cause the student to violate any aspect of the university's residence requirement (see Section 1430).
8. It is the student's responsibility to comply with application procedures and any other requirements that the other institution may have regarding establishing status as a transient student there.
9. After completing the course, it is the student's responsibility to promptly request that an official transcript be sent from the other institution to: Georgia State University, Office of Undergraduate Admissions, P.O. Box 4009, Atlanta, GA 30302-4009.

### 1320.30 Credit for Correspondence or Extension Programs

Students may apply no more than 30 semester hours of work earned through correspondence or extension programs of other institutions toward the requirements for an undergraduate degree. Students are cautioned to consult with their academic adviser for additional college regulations on correspondence or extension work. Students must obtain the permission of the dean of their college, or the designated college representative, prior to taking correspondence courses to be applied toward the completion of the degree program.

### 1320.40 Credit by Examination

Georgia State University recognizes that learning can take place in various modes and places other than the traditional college classroom. Knowledge gained through experiential learning and other means is evaluated for possible college credit through examination. The Advanced Placement Program (AP), the College Level Examination Program (CLEP), and the International Baccalaureate Program (IB) are the most commonly used tests for this purpose. These are standardized examinations administered nationally each year. For information on CLEP, contact the University Testing Office, <http://www.gsu.edu/testing>. For information on AP and IB, contact your high school guidance counselor.

Other standardized exams or special departmental examinations may be approved for credit. For further information, contact the appropriate college.

For information on approved examinations, course equivalents, and credit award policies and requirements, please review the sections below.

Georgia State awards credit for some DANTES (Defense Activity for Non-Traditional Education Support) Program subject examinations. Please contact the Office of Undergraduate Admissions, <http://www.gsu.edu/admissions>, for information.

### 1320.50 College Board Advanced Placement (AP) Examination

Official test scores should be mailed directly from the College Board to the Georgia State University Office of Undergraduate Admissions for review. Questions regarding credit awards should be directed to the Office of Undergraduate Admissions at <http://www.gsu.edu/admissions>. High school counselors can provide information concerning the time and place for testing. Credit will be awarded for approved AP examinations as follows:

Exam: (Score For Georgia State Course Credit) = equivalent course prefix and number or explanation

History of Art: (3, 4, 5) = AH 1700

Studio Art: Drawing/General Portfolio: (3, 4, 5) = Art 1010 and possible second Art core course by portfolio review. See

Student Services in the School of Art and Design to arrange for the review.

Art 2D Design: (3, 4, 5) = Art 1030

Art 3D Design: (3, 4, 5) = Art 1040

General Biology: (3) = Biol 1103K (4,5) = Biol 1103K, 1104K



General Chemistry: (3) = Chem 1211K; (4) = Chem 1211K and exempt Chem 1212K if passed above median grade on ACS exit exam; (5) = Chem 1211K, 1212K  
 Computer Science A or Computer Science AB: (3, 4, 5) = CSc 2010  
 Economics, Macro: (3, 4, 5) = Econ 2105  
 Economics, Micro: (3, 4, 5) = Econ 2106  
 English Language and Composition/ English Literature and Composition: (3, 4) = Engl 1101; (5) = Engl 1101, 1102  
 Environmental Science: (4, 5) = Biol 1104K  
 French Language: (3) = Fren 2001; (4) = Fren 2001, 2002; (5) = Fren 2001, 2002 and 3000-level course to be determined after consultation with department  
 French Literature: (3) = Fren 2001; (4) = Fren 2001, 2002; (5) = Fren 2001, 2002 and 3033  
 Human Geography: (3, 4, 5) = Geog 1101  
 German Language: (3) = Grmn 2001; (4) = Grmn 2001, 2002; (5) = Grmn 2001, 2002 and 3000-level course to be determined after consultation with department  
 American History: (3, 4, 5) = Hist 2110  
 European History: (3, 4, 5) = Hist 1112  
 World History: (3, 4, 5) = Hist 1112  
 Latin: Vergil: (3, 4) = Latn 2001, 2002; (5) = Latn 2001, 2002 and 3000-level course to be determined after consultation with department  
 Latin: Catullus/Horace: (4, 5) = 3000-level course(s) to be determined after consultation with department  
 Latin Literature: (3, 4) = Latn 2001, 2002; (5) = Latn 2001, 2002 and 3000-level course to be determined after consultation with department  
 Statistics: (3, 4, 5) = Math 1070  
 Calculus AB: (3) = Math 1113; (4, 5) = Math 2211  
 Calculus BC: (3) = Math 2211; (4, 5) = Math 2211, 2212  
 Music Listening and Literature: (3, 4, 5) = MuA 1930  
 Music Theory: (3, 4, 5) = Mus 1099  
 Physics B: (3) = Phys 1111K; (4, 5) = Phys 1111K, 1112K  
 Physics C, Mechanics: (3, 4, 5) = Phys 2211K  
 Physics C, Electricity and Magnetism: (3, 4, 5) = Phys 2212K  
 Government and Politics, American: (3, 4, 5) = PolS 1101  
 Psychology: (3, 4, 5) = Psyc 1101  
 Spanish Language: (3) = Span 2001; (4) = Span 2001, 2002; (5) = Span 2001, 2002 and a 3000-level course to be determined after consultation with department  
 Spanish Literature: (3) = Span 2001; (4) = Span 2001, 2002; (5) = Span 2001, 2002 and a 3000-level course to be determined after consultation with department

## 1320.60 College-Level Examination Program (CLEP)

Georgia State University awards credit for some College-Level Examination Program (CLEP) subject exams but does not award credit for the General Exam. Tests should not be scheduled during the last semester before graduation because the limited time remaining may not be sufficient to allow for course validation and the awarding of credit. For credit to be granted, the examination score must be at least 50 or higher regardless of the ACE recommendation. Credit will be awarded for the following courses:

Exam = Georgia State Course Credit

American Literature (w/essay) = Engl 2130  
 Analysis and Interpretation of Literature (w/essay) = Engl 2140  
 Freshman College Composition (w/essay) = Engl 1101  
 English Literature (w/essay) = Engl 2120  
 College French-levels 1 & 2 = Fren 2001, 2002 (see below for additional information)  
 College German-levels 1 & 2 = Grmn 2001, 2002 (see below for additional information)  
 College Spanish-levels 1 & 2 = Span 2001, 2002 (see below for additional information)  
 American Government = PolS 1101  
 American History I = Early Colonization-1877 and  
 American History II 1865-present = Hist 2110  
 General Psychology = Psyc 1101  
 Introductory Macroeconomics = Econ 2105  
 Introductory Microeconomics = Econ 2106

Introductory Sociology = Soci 1101  
 Calculus With Elementary Functions = Math 2211  
 College Algebra = Math 1111  
 College Algebra - Trigonometry = Math 1113  
 General Biology = Biol 1103K  
 General Chemistry\* = Chem 1099  
 Trigonometry\* = Math 1099

\*Elective Credit Only.

### Additional CLEP Information:

1. The essay portion of all English exams is required in addition to the objective. Essay exams are reviewed by three readers, and the student must receive a grade of "Pass" from at least two readers.
2. Foreign language credit awards are as follows:
  - a. Spanish scores of 50-53 earn 3 semester hours of credit for Span 2001; Spanish scores of 54 and higher earn a total of 6 semester hours of credit for Span 2001 and 2002.
  - b. German scores of 50-62 earn 3 semester hours of credit for Grmn 2001; German scores of 63 and higher earn a total of 6 semester hours of credit for Grmn 2001 and 2002.
  - c. French scores of 50-51 earn 3 semester hours of credit for Fren 2001; French scores of 52 and higher earn a total of 6 semester hours of credit for Fren 2001 and 2002.
3. If a student scores 50 or higher for American History I AND American History II, three semester hours will be granted for Hist 2110.
4. Exams may be scheduled by contacting Georgia State University's Testing Center, <http://www.gsu.edu/testing>.

## 1320.70 International Baccalaureate (IB) Examinations

International Baccalaureate (IB) examinations will be considered for credit, with the exception of English as a Second Language, provided that these examinations represent a higher level of achievement; are completed with at least a grade of five (good); and, in the judgment of the academic departments, are comparable to freshman-level studies at Georgia State University. No credit is awarded for standard level exams. Official International Baccalaureate transcripts should be mailed directly from International Baccalaureate to the Georgia State University Office of Undergraduate Admissions for review.

The following is the list of credit for IB exams:

Exam: (Score for Georgia State Course Credit) = equivalent course prefix and number or explanation

Art: (5, 6, 7) = Art 1010  
 Arabic: (5) = Arbc 2001, 2002  
 Arabic: (6, 7) = Arbc 2001, 2002 and a 3000-level course to be determined after consultation with department  
 Biology: (5) = Biol 1103K  
 Biology: (6, 7) = Biol 1103K, 1104K  
 Chemistry: (5) = Chem 1211K  
 Chemistry: (6, 7) = Chem 1211K, 1212K  
 Chinese: (5) = Chin 2001, 2002  
 Chinese: (6, 7) = Chin 2001, 2002 and a 3000-level course to be determined after consultation with department  
 Computer Science: (5, 6, 7) = CSc 1099  
 Economics: (5, 6, 7) = Econ 2105, 2106  
 English: (5, 6, 7) = Engl 1101, 2110  
 French: (5) = Fren 2001, 2002  
 French: (6, 7) = Fren 2001, 2002 and a 3000-level course to be determined after consultation with department  
 German: (5) = Grmn 2001, 2002  
 German: (6, 7) = Grmn 2001, 2002 and a 3000-level course to be determined after consultation with department  
 U.S. History: (5, 6, 7) = Hist 2110  
 European History: (5, 6, 7) = Hist 1112  
 Mathematics: (5, 6, 7) = Math 2211  
 Music: (5, 6, 7) = Mus 1099  
 Physics: (5) = Phys 2211K  
 Physics: (6, 7) = Phys 2211K, 2212K

Psychology: (5, 6, 7) = Psyc 1101

Spanish: (5) = Span 2001, 2002

Spanish: (6, 7) = Span 2001, 2002 and a 3000-level course to be determined after consultation with department

Other Foreign Languages to be reviewed upon request to the Department of Modern and Classical Languages.

## 1330 Registering for Classes

### 1330.05 Office of the Registrar

2nd Floor Sparks Hall, Located in the Enrollment Services Center

[http://www.gsu.edu/es/office\\_of\\_the\\_registrar.html](http://www.gsu.edu/es/office_of_the_registrar.html)

### 1330.10 Registration Procedures

Students may not attend a course unless they have registered for that course. Detailed information concerning the registration process, registration time-ticket assignments, and GoSOLAR registration can be found online at [http://www.gsu.edu/es/office\\_of\\_the\\_registrar.html](http://www.gsu.edu/es/office_of_the_registrar.html). Each semester students should go online for specific instructions for registering as well as a list of courses offered for the semester. Students are urged to become knowledgeable about registration instructions and to follow them exactly. Registering students are expected to have prepared a registration work sheet before accessing the university's registration system. Unless approved by the department chair, a student may only register for one section of a given course in a given session. Any deviation from the prescribed procedure may result in unnecessary delays in registration or errors in the resulting schedule. The Office of the Registrar cannot be held responsible for errors resulting from the student's failure to follow the prescribed registration and schedule revision procedures. Any problems experienced with registration should be reported to the Enrollment Services Center in person at 227 Sparks Hall or by e-mail to [onestopshop@gsu.edu](mailto:onestopshop@gsu.edu) within 24 hours of the occurrence.

### 1330.15 Registration Time-Ticket Assignments

Students who are eligible to register will be given a registration time-ticket assignment. The first ten days of registration are the only days of registration that are time-ticketed. Approximately one week before registration begins students can find their registration time-ticket assignment by entering the GoSOLAR website at <https://www.gosolar.gsu.edu/webforstudent.htm>. Students will also receive an email referring them to the GoSOLAR website where they can view their registration time-ticket assignment.

A student's time-ticket assignment is valid beginning at the student's assigned time and continues through the last day of registration. Time-tickets are assigned with priority to students scheduled to graduate for the upcoming registration term and then to continuing students according to the total credit hours earned. Once a student is allowed access, he or she can adjust their schedule on a first-come, first-served basis during the remaining registration period. It is to the student's advantage to attempt to register as soon as he or she is allowed access to the registration system because many classes fill up quickly.

### 1330.18 Late Registration

During late registration, access is on a first-come, first-served basis. If a student's first attempt to register is during late registration, a \$50 non-refundable late fee will be charged. This \$50 fee will also be charged if a student is dropped for nonpayment of fees and attempts to reregister during late registration.

If a student appeals to add a class after late registration has ended and if the appeal is approved, the student will be charged a \$37.50 manual schedule adjustment fee. This fee is charged for each appeal approved. Appeals should be directed to the department that teaches the course the student wishes to add.

### 1330.20 Immunizations

All new students attending regularly scheduled classes on campus or receiving resident credit are required to submit a certificate of immunization prior to registering for and attending such classes.

The immunizations required are Measles, Mumps & Rubella (MMR), Tetanus/Diphtheria (Td), Varicella (chicken pox) and Hepatitis B. In addition, the Meningitis Law requires students residing in university housing to have the Meningococcal vaccine. For more information, see the GSU Clinic website updates at <http://www.gsu.edu/health>.

Every student attending classes on campus must complete the immunization requirements of the University System of Georgia. The requirement varies according to the age of the student as follows:

- Students 18 years or younger at the beginning of the term must show proof of immunity to Hepatitis B, MMR, Tetanus/diphtheria, and Varicella (chickenpox).
- Students 19 years and older at the beginning of the term are strongly recommended to be immunized for Hepatitis B but they are not required to show proof of immunity to Hepatitis B. They are required to show proof of immunity to MMR, Tetanus/diphtheria and Varicella.
- Students born *outside* the United States on or before 12/31/1956 must show proof of immunity to Tetanus/Diphtheria and Varicella only.
- Students born *in* the United States on or before 12/31/1956 are required to show proof of Tetanus/diphtheria only.
- Students born *in* the United States on or before 12/31/1965 are exempt from showing proof of the Varicella vaccine. They are required to submit proof immunity for MMR, Tetanus/diphtheria.
- Students born *outside* the United States 01/01/1957 or later must provide proof of MMR, Tetanus/diphtheria, and Varicella.

The Immunization Office must receive these records before the last day of late registration. Immunization holds will be placed on student accounts to prevent registration, drop/add until the requirement is satisfied.

Students seeking exemption for religious reasons must submit a completed Georgia State University *Certificate of Immunization* form to the Immunization Office indicating their religious exemption request. Students with medical reasons for exemption must submit a doctor's letter indicating if this is a permanent or temporary exemption, and, if temporary, the date of expiration. When the temporary exemption expires, the student must complete all immunization requirements. In the event of an epidemic or a threatened epidemic of any disease preventable by immunization, and when an emergency has been declared by appropriate health authorities, additional steps will be undertaken to protect the health of the university community. In the event of a declared public health emergency, persons who do not have proof of immunization on file will not be allowed to participate in classes or other activities on campus.

Additional information and copies of the immunization certification form may be obtained by contacting the Immunization Office located in 147 Sparks Hall, or by telephone at 404/651-1171, or online at <http://www.gsu.edu/immunizations>.

**Meningitis:** Georgia law requires that students residing in campus housing be provided information on meningococcal disease and vaccination. After reviewing information about the risks for the disease and the benefits of prevention by the meningitis vaccine, students 18 years and older are required to sign a form kept on file in the Housing Office. Students less than 18 years of age must show their parent or guardian's signature on the form. This "Meningococcal Disease Notification" form documents that the information was reviewed and the option of the vaccine was provided, and/or date of the vaccination was elicited. Compliance with the state law is a requirement for residing in campus housing and is part of the housing contract. Forms and further information are available from the Housing Office at 404/463-9052 or by email at [housing@gsu.edu](mailto:housing@gsu.edu).

## 1330.25 Audit Status

Enrolled students who wish to audit a course must get approval from the course instructor. Registration for an audit is done in the Enrollment Services Center, 227 Sparks Hall. Any fees for auditing a class are assessed just as they are for courses taken for credit. Any requirements for prerequisites must be satisfied before registering to audit a course. No academic credit is earned in this status. Audit status is not covered by financial aid, and audit hours do not apply toward full-time enrollment. Students may not transfer from audit to credit status or vice-versa after the last day to register for course credit.

## 1330.30 Course Load

**Full-time Course Load:** To be certified as full-time students, students must carry a minimum of 12 semester hours. A course load of 30 semester hours per year is required in order to complete an undergraduate degree program in four years.

A student who is enrolled in less than a full-time course of study at Georgia State may be in jeopardy of:

1. Losing insurance coverage under his or her parent/guardian's insurance policy;
2. Being placed on a loan repayment schedule by a lender or guarantor if the student is the recipient of federal financial aid; and/or
3. Losing a scholarship if the guidelines for receiving the scholarship require full-time enrollment.

**Half-time Course Load:** Half-time enrollment is 6 to 11 semester hours for students.

**Increased Course Load:** A student may schedule as many as 18 semester hours without special permission. See the on-line *Registration Guide* at [http://www.gsu.edu/es/registration\\_guide.html](http://www.gsu.edu/es/registration_guide.html) for additional information about taking an increased course load. Requests for exceptions to the maximum course load of 18 semester hours will be considered by the Student Advisement Center or the Office of Academic Assistance of a student's college if the student has completed a course load of 15 semester hours in some previous semester at Georgia State University with a grade point average of at least 3.00 for the semester and if either of the following conditions is met:

1. The student attained the Faculty Scholar designation during his or her most recent enrollment at Georgia State and, if a reentering student, has achieved a grade of A for all credit hours earned elsewhere since the most recent enrollment at Georgia State; or

2. The student has earned 60 semester hours of credit and has a cumulative grade point average of at least 3.00 for the preceding two semesters of residence.

**International Students:** International students in the student visa status of F and J are required to carry a full-time course load as defined by the Department of Homeland Security (currently 12 credit hours per semester for undergraduate students). An international student who is enrolled on a student visa may be in jeopardy of being out of compliance with the Department of Homeland Security if enrolled in less than a full-time course of study. Additionally, those F and J international students enrolling for the first time in summer school must carry six credit hours to be considered full-time for immigration purposes.

### 1330.33 Registration Restrictions for 3000/4000-level Courses

Registration in 3000 and 4000-level courses in the following departments or areas require a specific Georgia State University cumulative GPA (See Section 1350.20 for details on how the cumulative GPA is calculated).

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| All departments in the Robinson College of Business | 2.50 required                       |
| Computer Science                                    | 2.30 required                       |
| Criminal Justice                                    | 2.00 required                       |
| Film and Video                                      | 2.50 required                       |
| Journalism                                          | 2.50 required (excluding Jour 3500) |

In addition, registration in all 3000 and 4000-level courses in the Robinson College of Business require a total of 45 semester hours earned.

Some departments also have minimum GPA requirements to obtain admission to a particular major or degree. These requirements are specified in the college chapters of this catalog when applicable.

### 1330.35 Taking a Course More Than Once

Colleges may limit the number of times a student can take a course for a grade. Colleges may place this limit on some courses but not others, and different courses may have different limits. All limits are stated in the catalog. For purposes of this policy, a student takes a course for a grade when they receive a grade notation included in the grade point average calculation. For example, a student who earns an A or a WF has taken the course for a grade, but a student who earns an S or W has not. A student who wishes to take a course more times than authorized by the college must enroll as an auditor.

### 1330.40 Cross Registration

Georgia State University students may enroll in courses offered by member institutions of the Atlanta Regional Consortium for Higher Education (ARCHE) under a cross registration agreement provided they meet the academic eligibility and other requirements of the agreement. Students may learn more about cross registration or obtain an ARCHE Cross Registration form at <https://www.gosolar.gsu.edu/webforstudent.htm>.

Students who wish to cross register must complete and submit an ARCHE Cross Registration form to the Enrollment Services Center (227 Sparks Hall) at Georgia State. An approval signature of a representative of the Student Advisement Center or the Office of Academic Assistance in the student's college of study is required. To participate in this program, students must be concurrently enrolled in at least one Georgia State course and meet the following minimum requirements: students must have at least a 2.0 GPA and the GPA required to enroll in the Georgia State course which is most similar to the course that the student wishes to take as a cross-registrant. Courses taken through cross registration count as residence credit, and grades are included in the Georgia State grade point average.

Students are not allowed to pre-register for cross registration courses. Registration will be on a space-available basis, and the host institution will specify the time and date on which a student must register.

For all courses taken as an ARCHE cross registration student, the tuition and fees will be at the rate of the home institution and paid to the home institution. Georgia State students pay fees after the cross registration is confirmed by the host institution.

Students must request that the Registrar's Office of the host institution send an official transcript to their home institution upon completion of the term.

Students must complete new cross registration forms for any subsequent terms in which they plan to participate in the cross registration program.

Cross registration is available in the summer on a limited basis. Consult the cross registration office for more information.

The other ARCHE member institutions are: Agnes Scott College, Atlanta College of Art, Brenau University, Clark Atlanta University, Clayton and State University, Columbia Theological Seminary, Emory University, Georgia Institute of Technology, Interdenominational Theological Center, Kennesaw State University, Mercer University Atlanta Campus, Morehouse College, Morehouse School of Medicine, Oglethorpe University, Southern Polytechnic State University, Spelman College, State University of West Georgia, and University of Georgia.



## 1330.50 Changes in Personal Data

GoSOLAR is a computerized system that allows students to update some of their student records (address, phone number, etc.) using a terminal or personal computer. Any student or applicant can log on to the system from a terminal in an on-campus lab or any computer with an Internet connection. Students who wish to change their name should contact the Enrollment Services Center, Room 227 Sparks Hall, to complete forms and provide the legal documents required for a name change. As correct personal data is vital to the student's record, students are urged to have their records updated when these changes occur.

## 1330.55 Off-Campus Courses

Many courses are offered to Georgia State University students at satellite locations. Students taking these courses must meet the same academic requirements and deadlines as students attending classes at the downtown campus. Each semester a list of off-campus courses can be found on GoSOLAR.

## 1330.60 Transcript Request

A student who has discharged all obligations to Georgia State University is entitled to receive, upon request, a copy of his or her transcript. Official transcripts of academic work completed at Georgia State University may be ordered via Georgia State's website (<https://www.gosolar.gsu.edu/webforstudent.htm>). A student is entitled to five free lifetime transcripts. Once a student has exhausted the five free transcripts, Georgia State will charge a \$10.00 processing fee for each transcript processed thereafter. There is a three to four business day processing period for requests. Picture identification is required to pick up transcripts.

Transcript requests will not be processed until complete payment is received. Credit card payment is required for web requests.

Copies of official transcripts received from other institutions will not be made. Such requests must be directed to the institution holding the student's original records.

Routine copies of other information in the student's education records, with the exception of transcripts from other institutions and other items excluded from copying by practice or regulation, will be provided upon written request. A fee may be charged to cover the cost of copying. Special certifications based on educational records will be provided upon written request when permissible.

## 1330.70 Enrollment Verification

Enrollment verification is obtained via the web at no cost to students and takes approximately 7 business days to process.

### Enrollment Verification

To obtain proof of enrollment, students should access GoSOLAR. At this site, students can do the following:

1. Print a Certificate of Enrollment that can be forwarded to a health insurer, housing provider, employer, credit issuer, or other student services provider;
2. View the electronic notification and deferment forms that have been sent to a lender; and
3. View a list of lenders and real-time student loan information detail, such as outstanding principal balance and next due date that some lenders provide.

Once a student drops a course, those hours cannot be used for verification of enrollment purposes. A student's enrollment status may change if he/she drops or withdraws from a course or withdraws from the university. If a student is co-enrolled at another collegiate institution during the same semester he or she is enrolled at Georgia State University, only the enrolled hours at Georgia State can be used for enrollment verification purposes.

### Degree Verification

To obtain proof that a degree has been awarded, students should go to <http://www.degreeverify.com>. At this site, students can provide proof of degree to such agencies as third-party verifiers, credit card companies, and credit approval agencies. This is a website of the National Student Clearinghouse. The Clearinghouse provides degree verification services to Georgia State students.

## 1330.80 Directory Information

An enrolled student may request that directory information (name, address, etc) not be public. To make this request, a student should fill out a Suppress Information Form, available at [http://www.gsu.edu/es/student\\_information\\_suppression.html](http://www.gsu.edu/es/student_information_suppression.html), and turn it in to the Enrollment Services Center, 227 Sparks Hall.

## 1332 Revision of Class Schedules (Add/Drop/Withdraw)

Students desiring to revise their class schedule must follow the procedure appropriate for the period of time in the semester (see section 1332.10 below). During the published registration periods for each semester students will revise their schedule on GoSOLAR. Schedule revisions are defined as any changes to a student's schedule and include dropping and/or adding classes. Dropped courses do not appear on the student's official record. To remove a course from a class schedule during the published registration period is referred to by the university community as "dropping" a course. After the last day to add/drop a course, students may "withdraw" from a course when they decide to stop attending. Withdrawing from a course makes the student eligible for a grade of W or WF. This grade is reflected on the student's official record.

All schedule revisions must be completed by the official last day to register for course credit as published in the online *Registration Guide* at [http://www.gsu.edu/es/registration\\_guide.html](http://www.gsu.edu/es/registration_guide.html). Students who wish to request to be allowed to register for a course after the deadline based on institutional error, should contact the department offering the course.

### 1332.10 Dropping Classes and Voluntary Withdrawal

Georgia State University reserves the right at any time during the semester to drop any student from classes for failure to pay tuition and fees. Students who cease to attend, but do not formally drop their classes using GoSOLAR at <https://www.gosolar.gsu.edu/webforstudent.htm>, will suffer financial and academic consequences.

#### A. Withdrawal Periods and Grades of W and WF

##### 1. During registration:

When the registration system is open to students at the beginning of each term, students may drop or add classes using GoSOLAR. When a class is dropped during this period, no grade is recorded and no record of the student's being enrolled in the class appears on the student's transcript. Registration ends at the end of the first week of classes.

##### 2. During the second week of classes:

During the second week of classes, faculty have the discretion to request to add or drop students from classes. Factors such as space availability and health and safety regulations may apply to such requests. When a class is dropped during this period, no grade is recorded and no record of the students being enrolled in the class appears on the student's transcript.

##### 3. After registration and before the midpoint of the term:

During this period, students may withdraw from a class or classes using GoSOLAR. Students will receive a grade of W or WF for any class dropped during this period depending on whether or not they have exceeded their limit of withdrawals with a grade of W. Specifically, students will automatically be awarded a W if they have not exceeded their limit and a WF if they have. Grades of W and WF appear on the student's transcript. (Note: A grade of WF is treated as an F for GPA calculation purposes.)

##### 4. After the midpoint of the term and until two weeks before the last day of classes:

During this period, students may withdraw from a class or classes using GoSOLAR. Students will automatically receive a grade of WF for any class dropped during this period. (Note: A grade of WF is treated as an F for GPA calculation purposes.)

##### 5. During the two weeks before the last day of classes:

During the two weeks before the last day of scheduled classes for the term, voluntary withdrawals cannot occur.

#### B. Limits on Withdrawals with a Grade of W

1. Students are allowed to withdraw with a grade of W a maximum of six times in their undergraduate careers at Georgia State.
2. The limit on withdrawals does not apply if a student withdraws from all classes during a term before the midpoint. However, students are only allowed to withdraw from all classes prior to the midpoint twice without having their withdrawals count against the limit. Students who withdraw from all classes a third or subsequent time will automatically receive a grade of WF in their classes if they have reached their limit of Ws.
3. It is possible that a student will withdraw from more than one class in a particular semester and not have enough Ws left to use a W in all those classes. In that case, classes will be awarded a W based on the date and time the student initiated the withdrawal from that class. For example, if a student had taken five Ws in their career at Georgia State and then withdrew from three of the four classes in which the student is enrolled, the student's sixth W allowed would be assigned to the class

from which the student withdrew first. The student would receive a WF in the other two classes. In these cases, students may make an appeal to the Student Advisement Center or their Office of Academic Advisement to shift the W from one class to another. Such requests must be made no later than the end of the semester after the semester in which the student withdrew from the classes. (Whether a student is enrolled in the semester after the semester in which the student withdrew from the classes does not change this time limit.) Students may not shift Ws between semesters.

4. The following sorts of withdrawals do not count against the limit on withdrawals with a grade of W.
  - a. Hardship withdrawals (see Section 1332.40).
  - b. Grades of WF (withdrawal failing).
  - c. Grade of WM (withdrawal military).
  - d. Withdrawals taken in semesters before Fall Semester 2006.
  - e. Withdrawals taken at other institutions.
5. This policy applies to all degree seeking undergraduate students. It does not apply to non-degree students (such as postbaccalaureate students).
6. This policy became effective Fall Semester 2006.

Students formally withdrawing from **all** classes may be entitled to a refund of a portion of their fees (see Section 1240).

In an emergency situation that precludes personal action to withdraw from classes, a student may communicate with the Office of the Dean of Students, <http://www.gsu.edu/deanofstudents>.

## 1332.20 Withdrawals and Drops from Off-Campus Courses and Cancelled Courses

In general, if a student voluntarily withdraws from an off-campus course, then the normal withdrawal policy applies (see section 1332.10). If the off-campus course's schedule does not match a Georgia State University term, then the mid-point of the course will be the mid-point of the period from the first off-campus meeting of the course to the last meeting of the course.

If a course is cancelled by Georgia State after the first week of classes, then the student may choose between three options:

1. They may have the course dropped from their schedule (even if the course is cancelled after the end of Late Registration), or
2. They may take a W in the course, or
3. In coordination with the course instructor and the department chair, the student may develop an academically appropriate plan to complete the course. These plans must be approved by the instructor and the department chair.

## 1332.30 Involuntary Withdrawal

Students are expected to observe all policies governing the class. Faculty must clearly state these policies in the course syllabus. When a faculty member determines that a student is in violation of one of the class policies (for example, has missed a required assignment or has excessive absences), that faculty member may withdraw the student from the course. Students involuntarily withdrawn prior to the midpoint of the course will be assigned a grade of W unless they've exceeded their maximum number of withdrawals allowed (see Section 1332.10). Students involuntarily withdrawn after the midpoint of the course will be assigned a grade of WF. Note that a WF is treated as an F for GPA calculation purposes. Using the official Georgia State University email system, the instructor will notify a student who is involuntarily withdrawn, and within ten days of this notification, the student may petition to the department chair for reinstatement in the course.

Students involuntarily withdrawn from all classes may be entitled to a refund of a portion of their fees (see Section 1240).

## 1332.40 Hardship Withdrawal

Students may be granted hardship withdrawals when non-academic emergency situations occur which prevent them from completing their coursework (e.g., severe medical problems, traumatic events/circumstances that cause them to miss numerous classes.). Hardship withdrawals are subject to the following restrictions:

1. Students are not eligible for hardship withdrawals in any course in which they have completed the course requirements (for example, taking the final exam or submitting the final project).
2. Students must initiate an application for a hardship withdrawal no later than one academic year after the semester in which the courses were taken.

Hardship status normally applies to all of your courses for the semester but in some cases may be granted for some and not others. Students requesting a hardship withdrawal in some but not all of their courses must provide documentation to justify such a partial withdrawal. If a student is granted a hardship withdrawal (full or partial), the instructors of the courses from which

the student is withdrawing must award a grade of “W” or “WF,” depending on whether the student was doing passing work as of the effective date of the hardship.

For further information on hardship withdrawals, contact the Office of the Dean of Students at <http://www.gsu.edu/deanofstudents>.

### **1332.45 Military Withdrawal**

A student who is on active duty or is a military reservist (including members of the National Guard) may withdraw from the university if called for active duty or reassignment. The student must officially withdraw and submit Official Orders to Active Duty to the Enrollment Services Center, 227 Sparks Hall. A student is not eligible for a military withdrawal in any course in which the student has completed the course requirements (for example, taking the final exam or submitting the final project). Elective fees are to be prorated according to the date on which the student officially withdraws. Students who withdraw and receive a full tuition refund will receive a grade of “WM” (military withdrawal) for all courses from which the student has withdrawn.

### **1332.50 Non-Academic Withdrawal**

A student may be withdrawn from the university for non-academic reasons when in the judgment of the Dean of Students, it is determined that the student has demonstrated behavior that: (a) poses a significant danger or threat of physical harm to self or to the person or property of others; or (b) interferes with the rights of other members of the university community or with the exercise of any proper activities or functions of the university or its personnel. Except in situations where the student is believed to be an imminent threat to self or others, as determined at the sole discretion of the University, a student shall, upon request, be accorded an appropriate hearing prior to the final decision concerning his or her continued enrollment at the university. In situations involving an imminent threat, the student will be provided a hearing as soon as possible after the withdrawal occurs. The instructor will assign students who are non-academically withdrawn a grade of W or WF (depending on whether they have exceeded their maximum number of withdrawals allowed) if they are withdrawn before the semester midpoint and a WF if they are withdrawn after the semester midpoint.

## **1334 Class Attendance**

The resources of the university are provided for the intellectual growth and development of its students; it is expected that students should attend class regularly.

The Department of Veterans Affairs requires that institutions of higher learning immediately report to them when a student discontinues attendance. Georgia State University institutional policy requires that professors report the absence of a veteran student as soon as it is known that the student will not be returning to class. Generally, this should be reported after one week of absences and no later than two weeks of nonattendance by a student.

All matters related to student absences, including the making up of work missed, are to be arranged between the student and the professor. All professors will, at the beginning of each semester, make a clear statement in the course syllabus to each of their classes, describing their policies for handling absences. Professors will also be responsible for counseling with their students regarding the academic consequences of absences from their classes or laboratories. Students are obligated to adhere to the requirements of each course and of each professor.

Students must be present for announced quizzes, laboratory periods, or final examinations unless the reasons for the absence are acceptable to the professors concerned. A student who is absent because of participation in activities approved by the Provost’s Office will be permitted to make up work missed during his or her absence, provided that the student misses no more than 15 percent of class hours per course per semester. If requested, the appropriate university official will provide a memo stating the official nature of the university business in advance of the activity. Faculty are strongly encouraged to take into consideration religious holidays of the student’s faith, summons, jury duty, or similar compelling reasons for absence.

## **1336 Final Examinations**

A student shall not be required to take more than two examinations within one 24-hour period during the published final examination period. More than two examinations within 24 hours are referred to as clustered examinations.

A student is considered to have an inappropriate clustering of final examinations when more than two examinations fall within 24 hours (for example, examinations at 8:30 a.m., 11:30 a.m., and 6:00 p.m. on the same day, or examinations at 6 p.m. on one day, and at 8:30 a.m. and 2:30 p.m. on the following day); the student is not considered to have an inappropriate clustering of examinations if the third examination in sequence begins at the same time on the subsequent day as the first examination (for example, 6:00 p.m. on one day, and 2:30 p.m. and 6:00 p.m. on the following day).

Students who have three or more clustered examinations may request of one professor that the examination be rescheduled according to the following procedure:

- If a final examination was rescheduled and thereby created a “cluster,” the instructor of the rescheduled examination will provide a special administration for the adversely affected student.
- If one or more of the clustered examinations is a “common examination” with an established conflict resolution time, the student will request to resolve the conflict by taking one of the common examinations in the conflict resolution time. If two or more of the examinations are “common examinations,” the student may choose which “common examination(s)” is to be rescheduled.
- If one of the clustered examinations is not a common examination or the result of rescheduling, the instructor of the middle examination(s) will provide a special administration for the adversely affected student.

Students must inform the instructor, in writing and at least 14 days before the beginning of the final exam period, that a clustered examination situation exists with respect to that instructor’s course and that the student will need to take the final examination as a special administration. If a student fails to inform the instructor, in writing and at least 14 days before the beginning of the final exam period, the instructor is not required to provide a special administration of the final examination.

Once a student has taken an examination, he or she cannot request a reexamination on the basis of this policy.

## 1340 Classification of Students and Courses

### 1340.10 Class Standing

Students are classified on the basis of total earned hours of academic credit as follows:

| <u>Student Status</u> | <u>Semester Hours</u> |
|-----------------------|-----------------------|
| Freshman              | 0-29                  |
| Sophomore             | 30-59                 |
| Junior                | 60-89                 |
| Senior                | 90 or more            |

The classification under which a student registers at the beginning of any semester will continue through that semester.

### 1340.20 Change of Catalog Edition

Students must normally satisfy the degree requirements of the catalog in effect at the time they enter Georgia State University. However, in some circumstances, revisions may be required to provide more effective programs. The term “degree requirements” refers to the courses and grades required to earn the degree. Changes in academic regulations affect all students, regardless of the catalog edition; examples include the scholastic discipline policy, procedures for removing incomplete grades, and appeals procedures.

There are several instances when a student will be required to change catalog editions and satisfy the curricular degree requirements of the catalog in effect at the time he or she:

1. Officially changes colleges within the university;
2. Officially changes majors within a college;
3. Officially changes from postbaccalaureate status to any degree-seeking status;
4. Reenters the university after a period of two or more consecutive years during which time he or she did not earn academic credit at Georgia State;
5. Reenrolls at Georgia State after attending another institution as a transient student with the intention of transferring credits earned at the other institution to Georgia State without having received written authorization in advance from his or her college. This regulation applies to any length of absence from the university. In such cases, students are considered to be transfer students;
6. Reenrolls at Georgia State after attending another institution as a transfer student. This regulation applies to any length of absence from the university; and
7. Has not graduated by the time his or her catalog edition is ten years old.

Students may choose to satisfy the degree requirements of a later catalog, but, if they choose to do this, they must meet all the requirements of the later catalog. Degree requirements of more than one catalog edition cannot be combined. Students who choose to satisfy requirements of a later catalog must notify the Student Advisement Center or the Office of Academic Assistance of their college.



### **1340.30 Declaration of Major**

All applicants other than freshman must declare a degree and major at application. All freshman must declare a degree and major one calendar year after their first enrollment at Georgia State. Students are encouraged to declare a major as early as possible. This is especially true for students following a track in natural sciences, health sciences, or mathematics. Colleges and departments may require students to declare a degree and major earlier than indicated above. The Director of the Student Advisement Center is authorized to grant exemptions to this policy.

### **1340.35 Change of Major and College**

Students may request to change majors within one college at Georgia State University or change to another college. If the request is approved, students will transfer their academic standings (good, warning, supervision, or probation). Some programs have special requirements for admission, so students should contact the Student Advisement Center or the Office of Academic Assistance of the desired college to determine if special criteria apply.

To request a change of major or college, students should contact the Student Advisement Center or the Office of Academic Assistance of the college in which they are currently enrolled. Students who change majors or colleges will be required to satisfy the degree requirements in effect at the time the change is officially recorded. Students who have applied to graduate must declare their degree, major, and minor/concentration (if applicable) with their advisement office prior to their final semester to avoid a possible delay in graduating.

### **1340.40 Dual Degrees**

Dual degrees are earned when a student satisfies all requirements for two different baccalaureate degrees (for example, B.A. and B.S.) within one or more colleges of Georgia State University. The minimum residence requirement of 39 semester hours at Georgia State University in courses numbered 3000 or above must be met for the first degree. If the second degree is completed concurrently with the first degree, or within five calendar years of the first degree, this requirement shall be deemed to have been satisfied for both degrees. Regardless of when the second degree is completed, the requirements for the second degree will come from the catalog edition that the student followed for the first degree.

After five years from the date of the award of the first degree, credit that has been used to satisfy the university's academic residence requirement for this degree cannot be applied toward the university's minimum academic residence requirement for the second degree. Regardless of when the second degree is completed, both degrees require that at least one-half of the courses comprising the major or 11 semester hours in the major, whichever is less, must be taken at Georgia State. If a department offers more than one degree, it may prohibit a student from earning more than one degree in that department. This restriction will appear in the Program Degree Requirements section of the description of the major.

Students who wish to earn dual degrees should consult with the Student Advisement Center or the Office of Academic Assistance of their current college and, if the second degree is offered by another college of this university, with the Office of Academic Assistance of the relevant college for information on procedures to follow.

### **1340.50 Double Major**

A double major consists of two separate majors in the same baccalaureate degree (for example, B.S. with majors in Criminal Justice and Psychology), regardless of the college or colleges in which that degree is awarded. A double major is earned when the student completes all requirements for each of the majors and all requirements for the degree. The minimum residence requirement of 39 semester hours at Georgia State University in courses numbered 3000 or above must be met for the first major. If the second major is completely concurrently with the first major, or within five calendar years of the first major, this requirement shall be deemed to have been satisfied for both majors. Regardless of when the second major is completed, the requirements for the second major will come from the catalog edition that the student followed for the first major.

After five years from the date of the awarding of the first major, credit that was used to satisfy the university's academic residence requirement cannot be applied toward the university's residence requirement for the second major. Regardless of when the second major is completed, at least one-half of the courses comprising both majors or 11 semester hours in the major, whichever is less, must be taken at Georgia State.

Whether in one degree or two, a student may not graduate with more than two majors. (For example, a student may not earn a B.S. with a double major in Economics and Psychology and also a B.A. in English. This would constitute three majors and would not be permissible.)

Students who wish to earn double majors should consult with the Student Advisement Center or the Office of Academic Assistance of their current college and, if the second major is offered by another college in the university, with the Office of Academic Assistance of the relevant college for information on procedures to follow.

## 1340.60 Classification of Courses

Courses are numbered as follows:

| <u>Student Status</u> | <u>Number Range</u> |
|-----------------------|---------------------|
| Prefreshman           | 0001-0099           |
| Freshman              | 1000-1999           |
| Sophomore             | 2000-2999           |
| Junior                | 3000-3999           |
| Senior                | 4000-4999           |
| Graduate              | 5000 or higher      |

## 1350 The Grading System

### 1350.10 Grades

The following grades are used to specify level of performance in academic courses:

**A: Excellent**

**B: Good**

**C: Average**

Minimum grade required for certain courses, as specified elsewhere in this catalog.

**D: Poor**

A grade of D, while giving credit hours, will not apply toward the degree in courses requiring a grade of C or higher. (See Section 1440.)

**F: Failure**

This grade indicates failure. No credit toward graduation is given for a course in which a grade of F was received.

**WF: Withdrawal While Failing**

This grade indicates failure. No credit toward graduation is given for a course in which a grade of WF was received. A WF and F are treated the same for GPA calculation purposes. WF indicates that the student

1. Voluntarily withdrew from a course after the midpoint of the grading period and was not awarded a hardship withdrawal, or
2. Was involuntarily withdrawn from a course after the midpoint of the grading period and was not awarded a hardship withdrawal.

(See “W: Withdrawal”, below, and Section 1332.)

The following grades are approved for use in the cases indicated but will not be included in the determination of a student’s cumulative grade point average:

**W: Withdrawal**

This symbol indicates that a student was permitted to withdraw from the course without penalty. (See “WF: Withdrawal While Failing”, above, and Section 1332.)

**WM: Military Withdrawal**

This symbol indicates that active duty military personnel and military reservists (including members of the National Guard) received emergency orders to active duty or reassignment during the term (see Military Withdrawal, Section 1332.45).

**I: Incomplete**

The notation of I may be given to a student who, for nonacademic reasons beyond his or her control, is unable to meet the full requirements of a course. In order to qualify for an “I”, a student must:

1. Have completed most of the major assignments of the course (generally all but one); and
2. Be earning a passing grade in the course (aside from the assignments not completed) in the judgment of the instructor.

When a student has a nonacademic reason for not completing one or more of the assignments for a course, including examinations, and wishes to receive an incomplete for the course, it is the responsibility of the student to inform the instructor in person or in writing of the reason. A grade of incomplete is awarded at the discretion of the instructor and is not the prerogative of the student. Conditions to be met for removing a grade of incomplete are established by the instructor. Registering in a subsequent semester for a course in which a grade of incomplete has been received will not remove the grade of incomplete. (See Section 1350.30, paragraph 2.) No student may graduate with an “I” on his or her record.

**IP: In Progress**

This symbol indicates that credit has not been given in courses that require a continuation of work beyond the term for which the student registered for the course. The use of this symbol is approved for dissertation, thesis, and project courses (such as student teaching, clinical practice, and internships). The IP notation may be replaced with an appropriate grade by the instructor. This symbol cannot be substituted for an “I.”

This grade is used in the Learning Support Program (LSP) to indicate that a student has demonstrated academic growth in the course; however, the level of achievement is not sufficient to meet all of the course requirements. In LSP, the grade of IP is a permanent grade and does not meet the minimum exit criteria for any course in the program.

**S: Satisfactory**

This symbol indicates that credit has been given for completion of degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. This symbol is also used in a Regents’ Test Preparation Course when the Regents’ Test was passed.

**U: Unsatisfactory**

This symbol indicates unsatisfactory performance in an attempt to complete degree requirements other than academic course work. No credit will be given. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. This symbol is also used in a Regents’ Test Preparation Course when the Regents’ Test was not passed.

**V: Audit**

This notation is used when a student has audited a course. Students do not earn academic credit for such courses. See Section 1330.25.

**K: Credit-by-examination**

This symbol indicates that a student was given credit for a course based on successful performance on an examination approved for this purpose.

**NR: Not Reported**

This symbol indicates that a student’s grade was not reported to the Registrar’s Office by the deadline for reporting grades for the term as published in the on-line *Registration Guide*. The grade will be updated as soon as the instructor reports the grade.

**GP: Grade Pending**

This symbol indicates a grade will be assigned pending the outcome of an academic honesty case. See Section 1380.

## 1350.20 Cumulative Grade Point Average

The cumulative grade point average is calculated by dividing all hours carried at Georgia State University into total quality points earned. Quality points are calculated by multiplying hours earned for each course by the numerical value of the grade earned. (See the following table for numerical equivalents of letter grades.) Grade point averages are rounded to the hundredth place. For example, 2.676 is rounded to 2.68.

All attempts at all academic courses taken are included in these calculations of total number of grade points earned and the total number of semester hours attempted. Credits earned in other institutions, credit by examination, credits which carry S/U grades, CLEP credit, AP credit, institutional credit courses, and courses specifically excluded by university policy are not used in computing the cumulative grade point average.

The numerical value (grade point) for academic letter grades are as follows:

|    |      |
|----|------|
| A  | 4.00 |
| A- | 3.70 |
| B+ | 3.30 |

|    |      |
|----|------|
| B  | 3.00 |
| B- | 2.70 |
| C+ | 2.30 |
| C  | 2.00 |
| C- | 1.70 |
| D  | 1.00 |
| F  | 0.00 |
| WF | 0.00 |
| IP | 0.00 |

The symbols I (Incomplete), IP (In Progress), W (Withdrawal), S (Satisfactory), U (Unsatisfactory), V (Audit), K (Credit-by-examination), and NR (Not Reported) do not have numerical equivalents and are not used in calculating grade point averages. The Department of Veterans Affairs defines the U and V as non-punitive grades; however, veteran students should notify the veterans' counselor immediately upon receiving a grade of U or V.

### 1350.30 Changes in Grade

A course grade that has been reported by the instructor to the Office of the Registrar and recorded cannot be changed except in the following circumstances:

1. Error in grade. If a student believes that there is an error in a grade, the student should discuss the situation with the instructor. A request for a change of grade assigned by an instructor who has left the university should be addressed to the chair of the department.
2. Removal of an Incomplete. A student receiving a grade of I (incomplete) is expected to consult with the instructor within the prescribed time limit and to complete all necessary work. The period of time given to a student to remove a grade of I is established by the instructor, subject only to the maximum time limit set by the university. The university requires that a grade of I be removed not later than the end of the second academic term after the grade of I was assigned (whether or not the student was enrolled during these two terms). The Office of the Registrar will assign a grade of F at the end of the second academic term unless the Office of the Registrar receives an approved grade adjustment request from the instructor. (If the student enrolled for S/U grading, a U will be assigned.) Using the grade adjustment form, instructors may or may not change this F/U to an authorized academic grade (i.e., A, B, C, D, S or WF) but may not change it back to an I. Instructors may not change an I to a W unless a Hardship Withdrawal is awarded. In exceptional cases, departments may authorize students to have an I grade for more than two semesters. Such authorizations must be approved by the department chair. The authorization to extend the I beyond two semesters must be renewed each semester. Students need not be enrolled to complete assignments for a course in which a grade of I has been assigned. Auditing or retaking the same course will not remove a grade of I. No student may graduate with an incomplete grade.

## 1352 Academic Recognitions

### 1352.10 Semester Recognition

**Faculty Scholar:** Degree-seeking students with a minimum Georgia State University cumulative grade point average (GPA) of 2.00 who complete at least nine semester hours of academic credit in fall or spring term (or six semester hours in summer term) with no Incompletes for the semester and who earn a 4.00 GPA shall be named Faculty Scholars for the semester.

**Dean's List:** Degree-seeking students with a minimum Georgia State cumulative grade point average (GPA) of 2.00 who complete at least nine semester hours of academic credit in fall or spring term (or six semester hours in summer term) with no Incompletes for the semester and who earn a GPA of at least 3.50 shall be placed on the appropriate Dean's List for the semester.

### 1352.20 Cumulative Recognition

**Dean's Scholarship Key:** Degree-seeking students shall be awarded the Dean's Scholarship Key for outstanding academic achievement at four milestones in their course work at Georgia State University. To be eligible to receive this recognition, a student must not have any outstanding grades of Incomplete on his or her record and must meet the following minimum grade point average requirements for the four 30-semester-hour blocks of course work:

|                                 |      |
|---------------------------------|------|
| 30 semester hours in residence  | 4.00 |
| 60 semester hours in residence  | 3.80 |
| 90 semester hours in residence  | 3.65 |
| 120 semester hours in residence | 3.50 |

**Faculty Scholarship Award:** To acknowledge a continuous and long-term commitment to academic excellence, the Faculty Scholarship Award is given to those students who maintain a 4.0 grade point average in the course of accruing a minimum of 36 semester hours with no incompletes over a period of no more than four consecutive semesters in residence at Georgia State and within a period of 36 months.

## 1352.30 Honors Program Recognitions

All honors recognitions require participation in two honors colloquia or forums. Grade point average and distribution requirements apply. See the “Honors Program” section in the “College of Arts and Sciences” chapter of this catalog or contact the Honors Program Office, <http://www.gsu.edu/honors>, for further details.

General Honors recognize successful completion of honors studies at the lower-division level in general (liberal arts) course work. Students must complete 25 semester hours in lower-division honors classes in at least three areas.

Advanced Honors recognize honors achievement at the upper-division level and reflect commitment to excellence in the major or allied field. Students must complete 20 semester hours of upper-division honors course work.

Research Honors recognize pursuit of excellence at the upper-division level by completion of independent study and research, thereby encouraging students to learn methods of inquiry within a discipline. Students complete ten semester hours of a research project and thesis plus ten additional semester hours of upper-division honors course work.

Honors Program Alumni Association Scholarship: These scholarships are awarded each year to students enrolled in the Honors Program of the university who have completed at least two honors courses prior to their application. Funded by the Alumni Association, the awards are based on scholarly performance and academic excellence. Information about these awards is available in the Honors Program Office.

## 1360 Academic Support

### 1360.10 Scholastic Discipline

There are four levels of scholastic discipline for students: warning, supervision, probation, and exclusion. A student who is eligible to enroll in courses is in good standing.

Students are placed on **warning** when their cumulative Georgia State University GPA is below 2.0 and they were not on supervision or probation the previous semester in attendance.

Students are placed on **supervision** when their cumulative Georgia State GPA is below 2.0 and they were on warning the previous semester in attendance. *However, students on warning who attempt 6 or more semester hours and earn a Georgia State term GPA of 2.3 or better will remain on warning.*

Students are placed on **probation** when their cumulative Georgia State GPA is below 2.0 and they were on supervision the previous semester in attendance. *However, students on supervision who attempt 6 or more semester hours and earn a Georgia State term GPA of 2.3 or better will remain on supervision.*

Students are placed on **exclusion** when their cumulative Georgia State GPA is below 2.0 and they were on probation the previous semester in attendance. *However, students on probation who attempt 6 or more semester hours and earn a Georgia State term GPA of 2.3 or better will remain on probation.*

Students on supervision or probation may be allowed to enroll with specific restrictions (see Section 1360.20). Students on exclusion are not eligible to enroll in any undergraduate program or under any status at Georgia State. No transfer credit will be accepted for courses taken at other institutions while on probation or exclusion.

Students on warning, supervision, or probation should refer to Section 1360.20 and consult with an adviser in the Student Advisement Center for additional information about scholastic discipline.

### 1360.20 Academic Improvement Program (AIP)

The Academic Improvement Program (AIP) is intended to assist students in extricating themselves from scholastic discipline and to meet the graduation requirement of a cumulative Georgia State University GPA of 2.0 or higher. The elements of AIP are registration approvals by an adviser, course load limits, and survival skills instruction. For further information about the AIP, please contact the Student Advisement Center at <http://www.gsu.edu/es/advisement.html>.

Students on **warning** may register for no more than 13 semester hours. They are not required to meet with an academic adviser although are encouraged to do so as necessary for help selecting courses, understanding degree requirements and academic regulations, and developing strategies for returning to a 2.0 cumulative GPA.

Students on **supervision** are required to participate in AIP as follows: (a) have their registration approved by an academic adviser; (b) register for no more than 13 semester hours; (c) and take any other steps required by the academic adviser (for example, seeing their major adviser, participating in an assessment by the Counseling Center, etc.). Students on supervision for a second or subsequent semester must continue to participate in AIP until their cumulative Georgia State GPA is 2.0 or higher.



A college may, at its option, require students on **probation** not to enroll at Georgia State for one semester. If students on probation are allowed to enroll, they are required to participate in AIP as follows: (a) have their registration approved by an academic adviser; (b) register for no more than 13 semester hours; and (c) take any other steps required by the academic adviser (for example, seeing their major adviser, participating in an assessment by the Counseling Center, etc.). Students enrolling while on probation must continue to participate in AIP until their cumulative Georgia State GPA is 2.0 or higher.

Students participating in AIP may be assigned GSU 1050, Survival Skills for College. GSU 1050 may be taken only once and does not count toward credit hour requirements for graduation. Credit hours enrolled in GSU 1050 count toward the 13-semester hour course load limit for students participating in AIP. Grades received for GSU 1050 are used to calculate the cumulative GPA and the term GPA.

Students on **exclusion** are not eligible to enroll in any undergraduate program or under any status at Georgia State and may not participate in AIP.

Appeals for exemption from some or all of the requirements of AIP should be submitted to the director of the Student Advisement Center. Appeals of decisions by the director of the Student Advisement Center may be filed in accordance with the procedure for petition of university regulations. Information about AIP and appeals of AIP requirements is available from the Student Advisement Center.

## 1360.30 Academic Renewal

Under certain conditions, Georgia State University allows its former undergraduate students to apply for academic renewal. This provision is intended to allow Georgia State degree-seeking students who have experienced academic difficulty to make a fresh start and to give them a final opportunity to earn a bachelor's degree. It can apply to individuals on scholastic exclusion. These are the provisions of academic renewal:

### Eligibility for Academic Renewal

1. A minimum of five calendar years must have passed since last enrollment at Georgia State University.
2. Former Department of Academic Foundations (formerly Division of Learning Support Programs and Developmental Studies) students may apply for academic renewal only if they completed all learning support programs requirements prior to the five-year absence.
3. A student can be granted academic renewal only one time.
4. A student who was excluded from Georgia State and has attended another college or university during the absence from Georgia State is not eligible for academic renewal.
5. A student who was not excluded from Georgia State but attended another college or university during an absence of five or more years may choose one of these options, but not both:
  - a. Return to Georgia State as a transfer student, subject to all relevant transfer and reentry policies. The student will not be eligible for academic renewal but transfer credit will be granted for applicable courses taken during the absence and previously earned Georgia State credit is retained.
  - b. Apply for academic renewal. If academic renewal is approved, no transfer credit will be granted for coursework completed during the absence.

### Effects of Academic Renewal

1. A cumulative GPA that reflects all attempts at all courses taken at Georgia State continues to be recorded on the student's official transcript. A new renewal GPA is begun when the student has been approved for academic renewal and is also recorded on the student's official transcript. The renewal GPA will be used for determining academic standing and eligibility for graduation.
2. Academic credit for previously completed course work including transfer course work will be retained only for courses in which an A, B, or C grade has been earned.
3. The grades in Georgia State academic credit that is retained are not calculated in the institutional GPA. This credit, therefore, is placed in the same category as transfer credit, credit by examination, and courses with grades of S.
4. Courses for which academic credit is not retained (those with grades of D or lower) must be repeated at Georgia State if they are required in the student's degree program. All remaining degree requirements must be completed at Georgia State. No transient or transfer credit will be accepted.
5. Whether the retained academic credit is still applicable for degree credit will depend on the degree requirements currently in effect at the time the student returns to Georgia State and on specific program regulations.
6. All courses taken at Georgia State remain on the student's official Georgia State transcript. At the time academic renewal is approved, this approval is noted on the student's transcript. Any Georgia State course work for which credit can be retained is listed below the academic renewal notation.
7. Reentry into a program that has specific admission requirements is not automatic. Academic renewal students who wish admission to such a program must apply directly to the program.

8. Students must meet the academic residence requirement (see section 1430) using only course credit earned after academic renewal.
9. To be eligible for honors at graduation, students must earn at least 60 hours of credit after academic renewal.

### Applying for Academic Renewal

1. To apply for academic renewal, the student must obtain approval both from the Office of Undergraduate Admissions and from the Student Advisement Center.
  - a. File an application for reentry to the university with the Office of Undergraduate Admissions, 200 Sparks Hall, <http://www.gsu.edu/returning.html>.
  - b. File an application for academic renewal with the Student Advisement Center. The deadlines for applying for academic renewal in order to enroll for a semester are:

| <u>To return in</u> | <u>Deadline</u> |
|---------------------|-----------------|
| Fall                | July 1          |
| Spring              | December 1      |
| Summer              | May 1           |

Application for Academic Renewal before the prescribed deadlines will aid in the timely return of a decision. Those students whose return to Georgia State University is dependent on approval for academic renewal should be especially diligent in their timely submission of their application.

2. If a student does not apply for academic renewal at the time of enrollment, it can be requested after reenrollment if the application is filed within one calendar year.
3. A student whose application for academic renewal is not approved will be notified by letter from the Student Advisement Center. Unless specific information to the contrary is given in the letter, the student may reapply for academic renewal after one year has passed.
4. Evaluation of a student's application for academic renewal will be based on the student's:
  - a. Previous academic record;
  - b. Previous student discipline record; and
  - c. Current commitment to academic work.

## 1380 Academic Honesty

### I. Introduction

As members of the academic community, students are expected to recognize and uphold standards of intellectual and academic integrity. The university assumes as a basic and minimum standard of conduct in academic matters that students be honest and that they submit for credit only the products of their own efforts. Both the ideals of scholarship and the need for fairness require that all dishonest work be rejected as a basis for academic credit. They also require that students refrain from any and all forms of dishonorable or unethical conduct related to their academic work.

The university's policy on academic honesty is published in the *Faculty Affairs Handbook* and *On Campus: The Student Handbook* and is available to all members of the university community. The policy represents a core value of the university and all members of the university community are responsible for abiding by its tenets. Lack of knowledge of this policy is not an acceptable defense to any charge of academic dishonesty. All members of the academic community — students, faculty, and staff — are expected to report violations of these standards of academic conduct to the appropriate authorities. The procedures for such reporting are on file in the offices of the deans of each college, the office of the dean of students, and the office of the provost.

In an effort to foster an environment of academic integrity and to prevent academic dishonesty, students are expected to discuss with faculty the expectations regarding course assignments and standards of conduct. Students are encouraged to discuss freely with faculty, academic advisers, and other members of the university community any questions pertaining to the provisions of this policy. In addition, students are encouraged to avail themselves of programs in establishing personal standards and ethics offered through the university's Counseling Center.

### II. Definitions and Examples

The examples and definitions given below are intended to clarify the standards by which academic honesty and academically honorable conduct are to be judged. The list is merely illustrative of the kinds of infractions that may occur, and it is not intended to be exhaustive. Moreover, the definitions and examples suggest conditions under which unacceptable behavior of the indicated

types normally occurs; however, there may be unusual cases that fall outside these conditions that also will be judged unacceptable by the academic community.

**Plagiarism:** Plagiarism is presenting another person's work as one's own. Plagiarism includes any paraphrasing or summarizing of the works of another person without acknowledgment, including the submitting of another student's work as one's own. Plagiarism frequently involves a failure to acknowledge in the text, notes, or footnotes the quotation of the paragraphs, sentences, or even a few phrases written or spoken by someone else. The submission of research or completed papers or projects by someone else is plagiarism, as is the unacknowledged use of research sources gathered by someone else when that use is specifically forbidden by the faculty member. Failure to indicate the extent and nature of one's reliance on other sources is also a form of plagiarism. Any work, in whole or in part, taken from the Internet or other computer-based resource without properly referencing the source (for example, the URL) is considered plagiarism. A complete reference is required in order that all parties may locate and view the original source. Finally, there may be forms of plagiarism that are unique to an individual discipline or course, examples of which should be provided in advance by the faculty member. The student is responsible for understanding the legitimate use of sources, the appropriate ways of acknowledging academic, scholarly, or creative indebtedness, and the consequences of violating this responsibility.

**Cheating on Examinations:** Cheating on examinations involves giving or receiving unauthorized help before, during, or after an examination. Examples of unauthorized help include the use of notes, computer-based resources, texts, or "crib sheets" during an examination (unless specifically approved by the faculty member), or sharing information with another student during an examination (unless specifically approved by the faculty member). Other examples include intentionally allowing another student to view one's own examination and collaboration before or after an examination if such collaboration is specifically forbidden by the faculty member.

**Unauthorized Collaboration:** Submission for academic credit of a work product, or a part thereof, represented as its being one's own effort, which has been developed in substantial collaboration with another person or source or with a computer-based resource is a violation of academic honesty. It is also a violation of academic honesty knowingly to provide such assistance. Collaborative work specifically authorized by a faculty member is allowed.

**Falsification:** It is a violation of academic honesty to misrepresent material or fabricate information in an academic exercise, assignment, or proceeding (for example, false or misleading citation of sources, the falsification of the results of experiments or of computer data, false or misleading information in an academic context in order to gain an unfair advantage).

**Multiple Submissions:** It is a violation of academic honesty to submit substantial portions of the same work for credit more than once without the explicit consent of the faculty member(s) to whom the material is submitted for additional credit. In cases in which there is a natural development of research or knowledge in a sequence of courses, use of prior work may be desirable, even required; however, the student is responsible for indicating in writing, as a part of such use, that the current work submitted for credit is cumulative in nature.

### III. Evidence and Burden of Proof

In determining whether or not academic dishonesty has occurred, the standard that should be used is that guilt must be proven by a preponderance of the evidence. This means that if the evidence indicating that academic dishonesty occurred produces a stronger impression and is more convincing as to its truth when weighed against opposing evidence, then academic dishonesty has been proved. In other words, the evidence does not have to be enough to free the mind from a reasonable doubt but must be sufficient to incline a reasonable and impartial mind to one side of the issue rather than to the other. Evidence as used in this statement can be any observation, admission, statement, or document that would either directly or circumstantially indicate that academic dishonesty has occurred.

### IV. Procedures for Resolving Matters of Academic Dishonesty

The following procedure is the only approved means for resolving matters of academic dishonesty, except for matters arising in the College of Law which has its own Honor Code for handling such matters. It is available to all members of the academic community who wish to pursue an action against a student for academic dishonesty.

**1. Initiation:** If a member of the academic community believes that a student has engaged in academic dishonesty in a course, on a test, or as a part of an academic program, that individual is responsible for initiating action against the student or bringing the matter to the attention of an individual who may initiate action against the student. In allegations of academic dishonesty involving course requirements, the course faculty member is generally responsible for initiating the action. If the alleged violation involves a departmental program requirement (for example, comprehensive examination or language competency examination) or an institutionally-required test (for example, test of Georgia/United States history or Georgia/United States constitutions), or if the individual who discovers the incident is not a faculty member, the individual should bring the matter to the attention of the faculty member and administrator who has responsibility of overseeing the activity (for example, departmental chair, director of the Testing Office). If that administrator decides to bring charges of academic dishonesty against the student, then that administrator becomes the initiator. (Test proctors, laboratory assistants, and other individuals who are not course faculty members should bring any instances of alleged academic dishonesty to the attention of the course faculty member or their administrative superior. That individual, after weighing the evidence, may become the initiator by formally

charging the student with academic dishonesty.) The channel of review, recommendation, and decision-making follows the administrative lines associated with the course or program requirement involved. In any instance, however, when the alleged incident does not occur within the context of a course and when it is unclear which college of more than one college involved should have jurisdiction in review and decision-making, either unit may initiate the case. For the sake of brevity the following processing procedures are written from an “academic unit/college” perspective. Nonacademic units (i.e., Testing Center) would substitute appropriate supervisory personnel at the respective levels. Herein the “initiator” will be referred to as “faculty member” and the “administrative unit head” will be referred to as “chair,” designating the departmental chair. “Dean” will refer to appropriate administrative supervisory personnel at the overall college or division level. While the matter of academic dishonesty is pending, the student will be allowed to continue in the course and register for upcoming semesters. Should a grade be due to the registrar before the matter is resolved, a grade of GP (grade pending) will be reported for the student in the course involved. Withdrawal from a course does not preclude the imposition of penalties for academic dishonesty.

- 2. Penalties to be Imposed:** Penalties to be imposed in incidents of academic dishonesty are classified as “academic” or “disciplinary.” Academic penalties include such sanctions as assignment of a failing grade for a particular course requirement, or for the course itself, or for other tests or program assignments. Academic penalties are set by the faculty member. Disciplinary sanctions can be sought in addition to those considered academic and could include, but are not limited to, the following penalties: suspension, expulsion, transcript annotations. Disciplinary penalties can be requested by the faculty member in consultation with the department chair or director, must be reviewed by the University Senate Committee on Student Discipline, and are set by the provost.
- 3. Action at Administrative Unit (Department Level):** As soon as possible after the alleged incident, the faculty member should discuss the matter with the student. This discussion should be conducted in a manner that protects the rights and confidentiality of students. If the faculty member believes that academic dishonesty has occurred, the faculty member (with the advice of the chair if necessary) will determine the appropriate academic penalty. The faculty member will complete a “notice of academic dishonesty” form describing the incident and indicating the academic penalty imposed. Any recommendation for a disciplinary penalty must be reviewed in consultation with the chair. The faculty member will deliver to the student the notice of academic dishonesty that includes a statement of appeal rights. If there is difficulty in delivering the notice to the student, the faculty member/chair should request assistance from the college dean in determining the most expeditious way to inform the student that a notice of academic dishonesty has been filed.

Once the student has been informed, the chair forwards the documentation, including the notice of academic dishonesty and an indication of when the student was informed, to the dean to be held pending possible appeal. Until the student has been given the opportunity to appeal, a grade of GP (grade pending) should be submitted for the student for the course involved.

- 4. Student Action:** The student will have 20 business days after receipt of the notice of charges of academic dishonesty to submit a written appeal denying the charges and providing any rationale for the appeal. The appeal should be addressed to the college dean of the initiator. In the event the student is found guilty of academic dishonesty, the student does not have the right to appeal the academic penalty assessed by the faculty member, unless the student can prove that such penalty was arbitrarily imposed or discriminatorily applied. If the student wishes to challenge a disciplinary penalty, the student must submit a written rationale for challenging the disciplinary penalty within 20 business days of receipt of the notice of charges of academic dishonesty. The statement of challenge should be addressed to the college dean. The college dean will forward the challenge to the dean of students for inclusion in the review of the disciplinary penalty by the University Senate Committee on Student Discipline. The University Senate Committee on Student Discipline automatically reviews all disciplinary penalties regardless of student appeal.

If the student has also filed an appeal denying the charges of academic dishonesty, any review of disciplinary penalty recommended will be delayed pending review of the charges of academic dishonesty by the college hearing committee.

## **5. College Action:**

- 5.1. No Appeal by the Student:** If the student does not submit a written appeal to the college dean within 20 business days, the dean will notify the chair/faculty member to post any pending grade(s) immediately. The dean will then forward the notice of academic dishonesty to the dean of students for inclusion in the student’s disciplinary file. The Senate Committee on Student Discipline also will forward any recommendation of a disciplinary penalty to the dean of students for appropriate review.
- 5.2. Appeal by the Student:** If the student submits a written appeal within 20 business days, the dean will notify the registrar to issue a grade of GP (grade pending) for the course(s) in question on all transcript requests for the student pending outcome of the appeal. The dean will forward the charges of academic dishonesty to the chair of a college hearing committee and will notify the faculty member to set forth in writing a comprehensive statement describing the incident of academic dishonesty. This statement will be presented to the committee and to the student at least five business days prior to the hearing.
- 5.3. Student Hearing Committee Process:** The college student hearing committee will use the following guidelines to govern the hearing of the appeal:
  - a. Within ten business days after the committee receives the charges of academic dishonesty, a hearing date will be determined. The committee will notify the faculty member and the student of the time, date, and the place of the hearing. Copies

of all charges of academic dishonesty and related materials for the hearing will be provided to the student at least five business days in advance of the hearing.

- b. The faculty member and the student will be allowed to make oral presentations, call witnesses, and present any documentary evidence regarding the incident in question. The hearing will be recorded on an audiotape. The hearing will not be open to observers.
- c. At the conclusion of the hearing, the committee will meet in closed session and will make its recommendation as to the guilt or innocence of the student based on a preponderance of evidence with respect to the charge of academic dishonesty. The committee chair will forward to the college dean its findings and recommendations in a written report within five business days of the hearing.

**5.4. College Decision on Appeals:** Within five business days of receiving the committee's written report, the college dean will make the final decision regarding guilt or innocence. The dean will notify all appropriate parties of the decision. If the dean finds the student "not guilty," the matter will be terminated, and no notice of charges will be filed with the dean of students. The dean will notify the chair to post the pending course grade promptly and will notify the registrar to remove the GP (grade pending) on the student's transcript. If the dean finds the student "guilty," the notice of charges of academic dishonesty will be forwarded to the dean of students for inclusion in the student's disciplinary file. The academic penalty stipulated by the faculty member will be imposed. The dean will notify the chair to insure that any pending grade is posted promptly. The dean will notify the registrar to remove the GP (grade pending) on the student's transcript if only an academic penalty was involved. If a disciplinary penalty has been recommended, the dean will notify the registrar to continue the GP (grade pending) annotation until the disciplinary penalty can be reviewed by the University Senate Committee on Student Discipline.

**5.5. Appeal of the Decision of the Dean:** If the student or initiator wishes to appeal the decision of the college dean regarding guilt or innocence of the charges of academic dishonesty, the student or initiator may appeal to the provost. The subsequent appeal route would be to the president and then the Board of Regents. The student or initiator must submit a written statement of appeal to the provost within 20 business days of notification of the dean's decision. The basis of the appeal must be on the grounds that the decision was arbitrary, capricious, or discriminatory.

**6. University Senate Committee on Student Discipline Action:** In cases where a disciplinary penalty has been recommended, the Senate Committee on Student Discipline will conduct a hearing to review the disciplinary penalty. The committee will review the faculty member's notice of academic dishonesty and the student's statement of challenge of the disciplinary penalty, if any. The faculty member and the student will be allowed to appear at the hearing to discuss the imposition of disciplinary penalties. Only the recommendation concerning the disciplinary penalty to be imposed will be considered by this committee. Issues of guilt or innocence are determined at the college level (see above). The Senate Committee will conduct the hearing in accordance with its regular hearing procedures. Copies of these procedures may be obtained from the Provost's Office and/or the Dean of Students. The Senate Committee on Student Discipline will provide its recommendation within five business days of its hearing to the provost regarding appropriateness of the disciplinary penalty recommended by the college and/or whether other disciplinary penalties are to be imposed in addition to or in lieu of those already recommended by the college.

## **7. Provost Action:**

**7.1. Decision of the Provost:** The role of the provost in handling student appeals regarding the charge of academic honesty has been explained (see above). Based on the recommendation, the provost will render a decision within ten business days of receipt of the recommendation of the Senate Committee. The provost will notify the student, the referring dean, the department chair, and the faculty member of the Senate Committee's recommendations and of the provost's decision. At that time the provost will also notify the registrar to annotate the student's transcript, if necessary.

**7.2. Appeal of the Decision of the Provost:** If the student wishes to appeal the decision of the provost regarding the imposition of a disciplinary penalty, the student may appeal to the president and then to the Board of Regents. The student must submit a written statement of appeal to the president within 20 business days of notification of the provost's decision. The basis for such an appeal must be on the grounds that the decision was arbitrary, capricious, or discriminatory.

**8. Students Involved in Two or More Incidents of Academic Dishonesty:** A student is subject to disciplinary action in addition to any already undertaken once it is determined that the student has been found guilty in a previous incident of academic dishonesty. In such cases, the dean of students will forward a report to the University Senate Committee on Student Discipline regarding the incidents of academic dishonesty that have been reported. The dean of students is responsible for initiating this report within 20 business days of completion of proceeding of any subsequent finding of academic dishonesty. The University Senate Committee on Student Discipline will review the report of the dean of students. The student may submit supplemental written documents for the committee's review and may request to appear before the committee in its deliberations. After reviewing the matter, the committee will send a report to the provost with the recommendation for disciplinary penalty to be imposed. The provost will proceed as in IV.7. of this policy.

Once the student has been informed, the chair forwards the documentation, including the notice of academic dishonesty and an indication of when the student was informed, to the dean to be held pending possible appeal. Until the student has been given the opportunity to appeal, a grade of GP (grade pending) should be submitted for the student for the course involved.



## 1382 Access to Student Records (FERPA)

Georgia State University is covered by the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended, which is designed to protect your rights with regard to education records maintained by the institution. Under the Act, you have the following rights:

1. The right to inspect and review education records maintained by the institution that pertain to you;
2. The right to challenge the content of records (except grades which can only be challenged through the academic appeal procedure) on the ground that they are inaccurate, misleading, or a violation of your privacy or other rights; and
3. The right to control disclosures from your education records with certain exceptions.

Directory information will be treated as public information and be generally available on all students and former students, at the discretion of the university. Directory information includes the student's name; address; telephone number; email address; date and place of birth; major field of study; full-time or part-time status; participation in officially recognized activities and sports; height, weight, age, hometown, hobbies, and general interest items of members of athletic teams; dates of attendance; degrees applied for or received; honors and awards received; and previous educational institutions attended by the student.

Any student, or parent of a student under 18, may refuse to permit the release of directory information by submitting a written request to the university's registrar within ten days of the beginning of fall semester. This time requirement is necessary to ensure that directory information that is desired to be withheld is not included in the various university publications during the year. Of course, requests to withhold the release of directory information will be honored at any time, but the university cannot be reasonably certain that some directory information will not be released if the aforementioned time limits are not met. The Student Directory is usually published during the spring semester using the fall semester student database. Requests received after press time cannot delete information from this and similar publications, and previously released information cannot be recalled. To file a request for suppression of directory information, a student should fill out a Suppress Directory Information Form, available at [http://www.gsu.edu/es/records\\_and\\_registration.html](http://www.gsu.edu/es/records_and_registration.html), and turn it in to the Enrollment Services Center, 227 Sparks Hall.

Inquiries about students or former students should be directed to the Registrar. Georgia State's written policy on "Access to Student Records" complies with the provisions of the Act. A copy of this policy and a copy of a summary of the FERPA regulations may be obtained in the Enrollment Services Center. Students also have the right to file complaints with the Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue, Washington, D.C. 20202-4605, regarding alleged violations of the Act.

## 1384 Student Petitions

Georgia State University seeks to maintain the highest standards of integrity and fairness in its relationships with students. Students are expected to know and follow the policies and procedures of the institution (as written in the General Catalog and the Student Code of Conduct). They may, however, seek relief when they believe that the application of these policies and procedures will create undue hardship for them or will not recognize extraordinary or extenuating circumstances affecting them. Such petitions will generally not be granted when doing so would set aside the academic standards of the institution.

**I. Applicability:** These procedures apply to petitions brought by students of Georgia State University.

- A. Applicants to the university are not considered students. Thus, this process is not open to applicants. Concerns related to admission, however, may be addressed directly to the responsible office, either the Office of Admissions for undergraduate students or the college graduate office for graduate students.
- B. These procedures do not apply to students in the College of Law, which has its own petition procedures.
- C. Once a degree has been received, any petition related to that degree program must be initiated within the next six months of the date of graduation.

### II. Definitions:

- A. Petition: A request by or on behalf of a student for a waiver or variance of an established policy, procedure, rule, or guideline.
- B. Petitioner: Student who brings a petition; or the student on whose behalf a petition is brought.
- C. Petition Decision Maker: Individual or committee designated to make decisions regarding petitions (see list of decision makers for various types of petitions immediately following this section).
  1. Some policies, procedures, rules, or guidelines are under the purview of a college; others are established by the university, and others are governed by the Board of Regents of the University System of Georgia. Petitions of college rules are filed with the college that established the rule. Petitions of university rules or Board of Regents rules are filed through the Office of the Associate Provost, 404/651-1187.
    - a. Policies and procedures of the Board of Regents, however, which pertain only to students in one college or unit will be handled as though they were college rules, and the process for handling such petitions shall be

- published in college/unit documents.
- b. Petitions related to the Regents' Test, the College Preparatory Curriculum, Learning Support Program, and the Academic Improvement Program are handled through the Student Advisement Center as though they were "college" rules of that academic unit.
2. In the case of college and university rules, the authority for making such decisions rests with the faculty.
    - a. The faculty of a college may designate a committee to rule on petitions of college rules or may delegate the authority to the dean of the college who may designate an individual to make decisions for him or her. The faculty may delegate some decision-making authority to the dean or designee and reserve others for a faculty committee. College procedures or bylaws must specify how the "petition decision maker" is determined.
    - b. For petitions of university rules and Board of Regents' rules (with the exceptions noted in C.1.a. and C.1.b.), the University Senate Admissions and Standards Committee represents the university faculty in determining the appropriate petition decision-making entity. It may delegate petition decision authority to the Office of the Provost and retain other authority for itself.
- D. Appeal: A request by a petitioner that a decision on a petition be reviewed through administrative channels.
1. Such appeals will generally be decided "on the record" based on a review of the written materials. An appeal of a petition "on the record" means that the appeal will be decided only on the basis of a review of the written materials which comprised the original petition, subsequent written materials of the petition decision maker, and the petitioner's written statement of appeal.
  2. The purpose of the review is to decide if the original decision was flawed because it was made in an arbitrary, capricious, or discriminatory manner, or the decision maker did not follow established procedures.
- E. Working Day: For the purpose of counting days for appeal deadlines, a working day is a weekday (Monday-Friday) on which classes or exams are scheduled in the college applicable to the petition, during any of the academic terms of the institution.

### III. Point of Initiation of Student Petitions:

|                                                         |                                       |
|---------------------------------------------------------|---------------------------------------|
| • Academic Renewal Regulations                          | Office of the Associate Provost       |
| • Academic Residency (39 hours upper level)             | Office of the Associate Provost       |
| • Admission Requirements                                | Office of Undergraduate Admissions    |
| • CLEP and AP Credit Regulations                        | Office of Undergraduate Admissions    |
| • Course load Restrictions (more than 18 hours a term)  | College Office of Academic Assistance |
| • Course substitutions in Core Curriculum (Areas A-E)   | Student Advisement Center             |
| • Course substitutions in Program (Area F and beyond)   | College Office of Academic Assistance |
| • "D" Grade Restrictions (limit of 12 hours)            | Office of the Associate Provost       |
| • Exclusion Appeals                                     | Student Advisement Center             |
| • Fee Waivers                                           | Office of the Dean of Students        |
| • Financial Aid/Satisfactory Acad. Progress Regulations | Financial Aid Office                  |
| • Georgia Residency for Fee Purposes                    | Office of the Registrar               |
| • Grade Appeals                                         | Department of the Course              |
| • Graduation – 2.0 GPA Requirement                      | Office of the Associate Provost       |
| • Graduation – Honors Requirements                      | Office of the Associate Provost       |
| • Hardship Withdrawal                                   | Office of the Dean of Students        |
| • "I" Grade Restrictions                                | Office of the Associate Provost       |
| • Overflow (register for a full course)                 | Department of the Course              |
| • Regents' Test Regulations                             | Student Advisement Center             |
| • Registration – Add, Drop, Withdrawal Rules            | Office of the Registrar               |
| • Registration Restrictions – GPA, Hours                | College Office of Academic Assistance |
| • Scholastic Discipline/Academic Standing Regulations   | Student Advisement Center             |
| • Student Code of Conduct                               | Office of the Dean of Students        |
| • Teacher Education Issues                              | College Office of Academic Assistance |
| • Transfer Credit Regulations                           | Office of Undergraduate Admissions    |
| • Transient Status Requirements                         | College Office of Academic Assistance |
| • All Other Issues                                      | Office of the Associate Provost       |

### Offices and Locations

|                                 |                                |
|---------------------------------|--------------------------------|
| Office of the Associate Provost | 1000 One Park Place South      |
| Offices of Academic Assistance  |                                |
| College of Arts and Sciences    | 724 General Classroom Building |

|                                       |                        |
|---------------------------------------|------------------------|
| Robinson College of Business          | 315 RCB Building       |
| College of Education                  | 300 Education Building |
| College of Health and Human Sciences  | 824 Urban Life         |
| Young School of Policy Studies        | G52 14 Marietta Street |
| Office of the Dean of Students        | 300 Student Center     |
| Financial Aid Office                  | 100 Sparks Hall        |
| Office of the Registrar/One Stop Shop | 227 Sparks Hall        |
| Student Advisement Center             | 255 Sparks Hall        |
| Office of Undergraduate Admissions    | 200 Sparks Hall        |

# 1400 University Degree Requirements and Graduation

A degree will be awarded only to a student who meets both the university requirements and the standards of performance, academic requirements, and residence requirements of their college and of their degree program. See below for a complete explanation of university requirements. Consult your college's chapter of this catalog for your degree program's requirements.

## 1405 Learning Outcomes

Learning outcomes are the goals students achieve in their programs of study. They represent the knowledge, skills and attitudes that students should gain to successfully complete the requirements of a course, major, and degree. A special set of general learning outcomes cover the goals for all students at the University. Students begin mastery of the University's learning outcomes in the core (first two years of study) and continue to develop these skills throughout their major. The learning outcomes for all students are:

### Goal I. Communication

- Students communicate effectively using appropriate writing conventions and formats.
- Students communicate effectively using appropriate oral or signed conventions and formats.

### Goal II. Collaboration

- Students participate effectively in collaborative activities.

### Goal III. Critical Thinking

- Students formulate appropriate questions for research.
- Students effectively collect appropriate evidence.
- Students appropriately evaluate claims, arguments, evidence, and hypotheses.
- Students use the results of analysis to appropriately construct new arguments and formulate new questions.

### Goal IV. Contemporary Issues

- Students effectively analyze contemporary issues within the context of diverse disciplinary perspectives.
- Students effectively analyze contemporary multicultural, global, and international questions.

### Goal V. Quantitative Skills

- Students effectively perform arithmetic operations, as well as reason and draw appropriate conclusions from numerical information.
- Students effectively translate problem situations into symbolic representations and use those representations to solve problems.

### Goal VI. Technology

- Students effectively use computers and other technology appropriate to the discipline.

## 1410 Core Curriculum Requirements

Georgia State University requires all students seeking a baccalaureate degree to satisfactorily complete a basic core of general education subjects. Georgia State's core curriculum provides students with a broad background in general education and reflects the special mission of this university as an urban research institution with an international, multi-ethnic, and multi-cultural focus. Because of ongoing evaluation changes may occur in the core curriculum. Every attempt will be made to notify students when these changes occur.

Areas A through E of the core curriculum are designed to provide students with a wide array of courses as a means of gaining a basic education in the liberal arts and assisting students in their choice of a major. Students should normally choose among the courses in areas A to E and select a major before taking courses in Area F. Students who have chosen a major before the completion of Areas A through E can review the departmental sections of the catalog to see specific recommendations for course selection. Some programs, such as art, music, and nursing, require students to begin major-related coursework in their freshman year to meet course sequencing requirements.

There are restricted choices for some majors in Areas A and D. Students must follow the degree-specific requirements listed in Areas A and D for the programs they are pursuing.

Students who are planning to transfer to Georgia State from other institutions in the University System of Georgia should note that this is Georgia State's core curriculum and is to be followed by students who choose to complete the core curriculum at this university. The core curriculum at a student's current University System of Georgia institution may contain different courses. However, Georgia State will grant credit for any approved core curriculum course taken at a student's current University System of Georgia home institution even if it is different from the course offered at Georgia State. Students should also remember that they may have only one University System of Georgia home institution at a time. Students who have transferred to Georgia State must petition for permission to take core curriculum courses elsewhere after they have enrolled.

The core curriculum completed at one System institution is fully transferable to another System institution for the same major. However, specific situations may result in minor exceptions to this general rule. Students seeking credit for University System of Georgia core curriculum courses that were not accepted during Georgia State's admissions process or who believe that the system rules of transferability of the core curriculum are not being honored can make an appeal to the Core Curriculum Transfer Ombudsperson, Dr. George Rainbolt, at [grainbolt@gsu.edu](mailto:grainbolt@gsu.edu). Appeals should be initiated by filling out a form available in the Student Advisement Center, 255 Sparks Hall.

## 1410.05 Regents' Reading and Writing Requirements (6)

RGTR 0198      Regents' Reading Skills

RGTE 0199      Regents' Writing Skills

Instead of taking these courses, students may satisfy these requirements by passing the Regents' Reading Test and the Regents' Writing Test. Waivers based on SAT, ACT, AP and IB scores are also possible. Students must register for RGTR 0198 and RGTE 0199 if they've earned 45 hours and have not passed both tests or have not satisfied both requirements by waiver. The tests are the final exams for the courses and must be passed to pass the courses. RGTR 0198 and RGTE 0199 do not count towards the 120 hours required for graduation. For details, see Section 1420.

## 1410.10 Area A: Essential Skills (9)

### 1. English Composition Requirements (6)

Engl 1101      English Composition I (3)

Engl 1102      English Composition II (3)

Students who satisfy the Advanced Placement Standard of the Department of English may take Engl 1103 in lieu of Engl 1101 and Engl 1102. Students who select this option will choose an additional humanities course from core Area C1.

A grade of C or higher is required in Engl 1101 and Engl 1102, or in Engl 1103 (open to qualified students with departmental consent), in order to receive degree credit.

### 2. Mathematics Requirement: Select one. (3-4)

Math 1101      Introduction to Mathematical Modeling (3)

Math 1111      College Algebra (3)

Math 1220      Survey of Calculus (3)

Math 1113      Precalculus (3)

Math 2211      Calculus of One Variable I (4)

Math 2212      Calculus of One Variable II (4)

Math 2215      Multivariate Calculus (4)

Math 2420      Discrete Mathematics (3)

If a 4 hour course is selected, the additional hour will be counted in Area F or Area G.

Majors in biology, chemistry, computer science, geology, mathematics, science and math education, and physics are required to take Math 1113 or higher in Area A. Business students are encouraged to take Math 1113 or higher in Area A. Exercise Science students are encouraged to take Math 1111 in Area A.

**Note:** A math placement test is recommended for all students who do not have credit for an Area A math course and is required for students who wish to take Math 1111, College Algebra, or higher. The test is offered at scheduled times in the university's testing center. See <http://www.gsu.edu/testing> and click on Math Placement.

## 1410.20 Area B: Institutional Options (4)

Additional information about institutional options is available online at <http://www2.gsu.edu/~wwwugs/areab.html>.

**Select two courses from the following:**

Phil 1010      Critical Thinking (2)

Spch 1000      Human Communication (2)



|           |                                                |
|-----------|------------------------------------------------|
| Pers 2001 | Perspectives on Comparative Culture (2)        |
| Pers 2002 | Scientific Perspectives on Global Problems (2) |

Pers 2001 is a group of interdisciplinary courses that provides a better understanding of the contemporary world through the study of different cultures. Only one course from this group may be used to fulfill requirements in Area B.

Pers 2002 is a group of interdisciplinary courses that deals with scientific approaches to important issues on the environment, public health, or technology. Only one course from this group may be used to fulfill requirements in Area B.

## 1410.30 Area C: Humanities and Fine Arts (6)

Select two courses from groups 1, 2, and 3 below. The two courses may not come from the same group.

### 1. Humanities

|           |                                   |
|-----------|-----------------------------------|
| Engl 2110 | World Literature (3)              |
| Engl 2120 | British Literature (3)            |
| Engl 2130 | American Literature (3)           |
| Phil 2010 | Great Questions of Philosophy (3) |
| Spch 2050 | Media, Culture, and Society (3)   |

### 2. Fine Arts

|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| AH 1700   | Survey of Art I (3)                                                   |
| AH 1750   | Survey of Art II (3)                                                  |
| AH 1850   | Survey of Art III (3)                                                 |
| Film 2700 | History of the Motion Picture (3)                                     |
| MuA1500   | Jazz: Its Origins, Styles, and Influence (3)                          |
| MuA1900   | Dramatic Music from the Renaissance through the Twentieth Century (3) |
| MuA 1930  | Survey of Music from Bach to Bernstein (3)                            |
| Thea 2040 | Introduction to Theatre (3)                                           |

### 3. Foreign Language

|           |                                  |
|-----------|----------------------------------|
| Arbc 1002 | Elementary Arabic I (3)          |
| Arbc 2001 | Intermediate Arabic I (3)        |
| Arbc 2002 | Intermediate Arabic II (3)       |
| Chin 1002 | Elementary Chinese II (3)        |
| Chin 2001 | Intermediate Chinese I (3)       |
| Chin 2002 | Intermediate Chinese II (3)      |
| Fren 1002 | Elementary French II (3)         |
| Fren 2001 | Intermediate French I (3)        |
| Fren 2002 | Intermediate French II (3)       |
| Grmn 1002 | Elementary German II (3)         |
| Grmn 2001 | Intermediate German I (3)        |
| Grmn 2002 | Intermediate German II (3)       |
| Grka 1002 | Elementary Greek II (3)          |
| Grka 2001 | Intermediate Greek I (3)         |
| Grka 2002 | Intermediate Greek II (3)        |
| Grkm 1002 | Elementary Modern Greek II (3)   |
| Grkm 2001 | Intermediate Modern Greek I (3)  |
| Grkm 2002 | Intermediate Modern Greek II (3) |
| Hbrm 1002 | Elementary Hebrew II (3)         |
| Hbrm 2001 | Intermediate Hebrew I (3)        |
| Hbrm 2002 | Intermediate Hebrew II (3)       |
| Ital 1002 | Elementary Italian II (3)        |
| Ital 2001 | Intermediate Italian I (3)       |
| Ital 2002 | Intermediate Italian II (3)      |
| Japn 1002 | Elementary Japanese II (3)       |
| Japn 2001 | Intermediate Japanese I (3)      |
| Japn 2002 | Intermediate Japanese II (3)     |
| Kore 1002 | Elementary Korean II (3)         |
| Latn 1002 | Elementary Latin II (3)          |
| Latn 2001 | Intermediate Latin (3)           |

|           |                                |
|-----------|--------------------------------|
| Latn 2002 | Latin Prose (3)                |
| Prsn 1002 | Elementary Persian II (3)      |
| Prsn 2001 | Intermediate Persian I (3)     |
| Prsn 2002 | Intermediate Persian II (3)    |
| Port 1002 | Elementary Portuguese II (3)   |
| Port 2001 | Intermediate Portuguese I (3)  |
| Port 2002 | Intermediate Portuguese II (3) |
| Russ 1002 | Elementary Russian II (3)      |
| Russ 2001 | Intermediate Russian I (3)     |
| Russ 2002 | Intermediate Russian II (3)    |
| Span 1002 | Elementary Spanish II (3)      |
| Span 2001 | Intermediate Spanish I (3)     |
| Span 2002 | Intermediate Spanish II (3)    |
| Swah 1002 | Elementary Swahili II (3)      |
| Swah 2001 | Intermediate Swahili I (3)     |
| Swah 2002 | Intermediate Swahili II (3)    |
| Turk 1002 | Elementary Turkish II (3)      |

The J. Mack Robinson College of Business recommends that B.B.A. students include a foreign language course in Area C. The College of Arts and Sciences recommends that B.A. students and specified B.I.S. students not include a foreign language course in Area C (See Section 3090.45 in the Arts and Sciences section of the catalog). Students in these degree programs should follow departmental recommendations on foreign language selection in Area F. The Andrew Young School of Policy Studies requires B.A. students majoring in economics to complete a foreign language in Area F.

Some foreign language courses are not open to native speakers of that language. Please consult the course description before making a selection in this area.

Placement exams in French, German, and Spanish are available. See Section 1310 for more information.

## 1410.40 Area D: Science, Mathematics, and Technology (11)

Complete the options listed under either majors other than natural sciences, health sciences, and mathematics or natural sciences, health sciences, and mathematics majors.

### **Majors other than Natural Sciences, Health Sciences, and Mathematics:**

#### 1. Select one two-course sequence. (8)

|            |                                             |
|------------|---------------------------------------------|
| Astr 1010  | Astronomy of the Solar System (4) and       |
| Astr 1020  | Stellar and Galactic Astronomy (4)          |
| Biol 1103K | Introductory Biology I (4) and              |
| Biol 1104K | Introductory Biology II (4)                 |
| Chem 1101K | Introductory Chemistry I (4) and            |
| Chem 1102K | Introductory Chemistry II (4)               |
| Chem 1151K | Survey of Chemistry I (4) and               |
| Chem 1152K | Survey of Chemistry II (4)                  |
| Chem 1211K | Principles of Chemistry I (4) and           |
| Chem 1212K | Principles of Chemistry II (4)              |
| Geog 1112  | Introduction to Weather and Climate (4) and |
| Geog 1113  | Introduction to Landforms (4)               |
| Geol 1121K | Introductory Geosciences I (4) and          |
| Geol 1122K | Introductory Geosciences II (4)             |
| Phys 1111K | Introductory Physics I (4) and              |
| Phys 1112K | Introductory Physics II (4)                 |
| Phys 2211K | Principles of Physics I (4) and             |
| Phys 2212K | Principles of Physics II (4)                |

#### 2. Select one course (must be from a discipline different from one selected in group 1 above). (3)

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Any course from Section D1 above (4) |                                    |
| Astr 1000                            | Introduction to the Universe (3)   |
| Biol 2240                            | Human Physiology (3)               |
| Biol 2300                            | Microbiology and Public Health (3) |

|            |                                                   |
|------------|---------------------------------------------------|
| Chem 1050  | Chemistry for Citizens (3)                        |
| CSc 1010   | Computers and Applications (3)                    |
| Geol 2001  | Geologic Resources and the Environment (3)        |
| Math 1070  | Elementary Statistics (3)                         |
| Math 1113  | Precalculus (3)                                   |
| Math 1220  | Survey of Calculus (3)                            |
| Math 2420  | Discrete Mathematics (3)                          |
| Phys 2030K | Physical Science: Physics of Music and Speech (3) |
| Psyc 1100  | Natural Science Aspects of Psychology (3)         |

If a 4 hour course is selected, the additional hour will be counted in Area F or Area G.

The Robinson College of Business recommends that B.B.A. students take Math 1070 in Area D. If it is not taken in Area D, it must be taken later in the program.

Phys 2030K is recommended only for broadcast journalism, speech, theatre, and music majors.

**Biology, Chemistry, Computer Science, Geology, Mathematics, Physics, and Science and Math Education Majors:** It is recommended that students select a sequence appropriate to the major.

1. Select one two-course sequence. (8)

|            |                                    |
|------------|------------------------------------|
| Biol 2107K | Principles of Biology I (4) and    |
| Biol 2108K | Principles of Biology II (4)       |
| Chem 1211K | Principles of Chemistry I (4) and  |
| Chem 1212K | Principles of Chemistry II (4)     |
| Geol 1121K | Introductory Geosciences I (4) and |
| Geol 1122K | Introductory Geosciences II (4)    |
| Phys 1111K | Introductory Physics I (4) and     |
| Phys 1112K | Introductory Physics II (4)        |
| Phys 2211K | Principles of Physics I (4) and    |
| Phys 2212K | Principles of Physics II (4)       |

2. Select either Math 2211 (Calculus of One Variable), a course with a higher number that is appropriate to the major, or a course that has been approved by the major department (see individual departmental degree requirements).

**Nursing, Nutrition, and Respiratory Therapy Majors:**

1. Select one two-course sequence. (8)

|            |                                |
|------------|--------------------------------|
| Biol 1103K | Introductory Biology I (4) and |
| Biol 1104K | Introductory Biology II (4)    |
| Chem 1151K | Survey of Chemistry I (4) and  |
| Chem 1152K | Survey of Chemistry II (4)     |
| Phys 1111K | Introductory Physics I (4) and |
| Phys 1112K | Introductory Physics II (4)    |

The College of Health and Human Sciences recommends that students take Chem 1151K and 1152K.

2. Math 1070                      Elementary Statistics (3)

## 1410.50 Area E: Social Science (12)

Students who satisfy the requirements of Section 1, United States Politics and History, by examination and choose not to take Hist 2110 and PolS 1101 must select two additional courses from Section 3, Social Science Foundations. No student may take more than six hours in Area E from any one department.

### 1. United States Politics and History - Legislative Requirement (0-6)

|           |                                     |
|-----------|-------------------------------------|
| Hist 2110 | Survey of United States History (3) |
| PolS 1101 | American Government (3)             |

Georgia law requires all students to pass examinations on (a) the history of the United States and the history of Georgia and (b) the Constitution of the United States and the Constitution of Georgia. Students may satisfy these requirements by earning passing grades in Hist 2110 and PolS 1101. (See Section 1425.)

**2. Global Economics, Global Politics, and World History. Requirement: Select one course (3)**

|           |                                        |
|-----------|----------------------------------------|
| Econ 2100 | The Global Economy (3)                 |
| Hist 1111 | Survey of World History to 1500 (3)    |
| Hist 1112 | Survey of World History since 1500 (3) |
| PolS 2401 | Global Issues (3)                      |

**3. Social Science Foundations: Select one course (see note above) (3-9)**

|               |                                                   |
|---------------|---------------------------------------------------|
| AAS 2010      | Introduction to African-American Studies (3)      |
| Anth 1102     | Introduction to Anthropology (3)                  |
| CrJu 2200     | Social Science and the American Crime Problem (3) |
| Econ 2105     | Principles of Macroeconomics (3)                  |
| Econ 2106     | Principles of Microeconomics (3)                  |
| Geog 1101     | Introduction to Human Geography (3)               |
| AAS/Hist 1140 | African and African-American Culture (3)          |
| Psyc 1101     | Introduction to General Psychology (3)            |
| Soci 1101     | Introductory Sociology (3)                        |
| Soci 1160     | Introduction to Social Problems (3)               |
| WSt 2010      | Introduction to Women's Studies (3)               |

The Robinson College of Business recommends that B.B.A. students take Econ 2105 and Econ 2106 in Area F and then choose other social science foundation courses in Area E. The Andrew Young School of Policy Studies recommends that B.A. and B.S. students NOT take Econ 2105 and Econ 2106 in section 3 of Area E.

**1410.60 Area F: Preparation for a Major (18)**

Courses in Area F, which constitute the remaining 18 semester hours in the core curriculum, may be found in the college sections on degree requirements. These listings should also be consulted to see if there are any courses recommended from among the offerings in areas A to E. Students seeking a B.S. in mathematics and secondary school teaching will be required to take an additional nine semester hours of introductory education courses above the general requirement of 18 semester hours.

**1415 Area G & Beyond**

Courses beyond the core curriculum that are required by the college and/or major department constitute the remaining course degree requirements and are comprised of courses related to a major, major requirements, courses in a minor or concentration, and electives. Consult the college chapters in this catalog for a full explanation of these requirements.

**1420 Regents' Reading and Writing Requirements**

To demonstrate competence in reading and writing, the Board of Regents of the University System of Georgia requires that students pass RGTR 0198, Regents' Reading Skills, and RGTE 0199, Regents' Writing Skills. Students will demonstrate their competence in reading and writing by passing the Regents' Reading Test and the Regents' Writing Test. The Regents' Reading Test and the Regents' Writing Test are the final exams for RGTR 0198 and RGTE 0199 respectively. Students must pass the Tests to pass the courses. The courses do not count toward the 120 hours requirement (See Section 1470). Students with certain SAT, ACT, AP or IB scores, non-native speakers of English, students who hold a baccalaureate degree, and students with documented disabilities are subject to modified rules regarding these requirements. (See below.) After reading this material, students with questions should contact the Student Advisement Center, <http://www.gsu.edu/es/advisement.html>.

**Description of the courses:** RGTR 0198 and RGTE 0199 are designed to help students gain the reading and writing competence necessary to pass the Regents' Tests and be successful in college-level work. The Regents' Tests are the final exams for the courses. The courses are graded S/U. Students will be awarded an S if they pass the test and a U if they do not pass the test.

**Description of the tests:** The Regents' Reading Test is a multiple-choice test taken in one hour. This test consists of a series of reading passages with five to eight questions about each passage. The passages cover a variety of subjects (for example, social science, math, natural science, humanities, etc). The Regents' Writing Test is a one-hour essay exam in which students are asked to write an essay on one of four topics. Students are allowed to use dictionaries during the last 15 minutes of the Writing Test. Both tests are taken at one time with the Writing Test coming first.

**Administration:** Initially, students must take both tests at the same time. If a student has passed one test but not the other, the student will retake only the test that was failed.

The Regents' Tests are given during the semester at a time specified by the Board of Regents. The tests may be taken only once per semester.

Students are encouraged to take the Regents' Tests upon completion of Engl 1101. Students may take the Regents' Tests during a semester in which they have not enrolled in any classes. Students who have a cumulative GPA of 2.0 or higher and have earned a grade of U at least two times in the relevant preparation course will be allowed two hours each test. To take advantage of this option, students must bring a current copy of their academic evaluation to the Testing Office at least seven days prior to the date scheduled for the extended time test.

**Students entering Georgia State University with no transfer credits:** If they have not met the Regents' Reading and Writing Requirements, students must take the tests or enroll in both preparation courses in their first semester of enrollment after earning 30 semester hours. Students who have earned 45 college-level semester hours and who have not passed the Regents' Tests must take RGTR 0198 and/or RGTE 0199 in each semester of attendance until they have passed both tests. Students who have not passed the Reading Test must take RGTR 0198, students who have not passed the Writing Test must take RGTE 0199, and students who have not passed either test must take both courses. Students who have not passed both tests before earning 75 hours will have a hold placed on their registration that will be lifted after speaking with a Student Advisement Center staff member.

**Students entering Georgia State with AP/CLEP/IB/JE credits:** Students entering with Advanced Placement, College Level Examination Program, International Baccalaureate, and/or Joint Enrollment credit are not required to take RGTR 0198 or RGTE 0199 until they have earned at least 45 hours and been enrolled at least two semesters.

**USG transfer students:** All students transferring from University System of Georgia (USG) programs leading to the baccalaureate degree must follow the rules for students with no transfer credits.

**Non-USG transfer students:** Students with 30 or more semester credit hours transferring from outside of the System are strongly encouraged to take the tests during their first semester of enrollment in a program leading to the baccalaureate degree. Those who have not met the requirement before their third semester at Georgia State are subject to the remediation requirements for students entering Georgia State University with no transfer credits.

**SAT, ACT, AP, and IB waivers:**

RGTR 0198: Students who have a score of 510 or better on the SAT I Verbal test or a score of 23 or better on the ACT Reading Test (given on a national examination day) have automatically passed RGTR 0198.

RGTE 0199: Students who fulfill one of the waiver options/combinations listed below have automatically passed RGTE 0199:

- SAT-I Verbal score of 530 or better AND A in Engl 1101 or Engl 1102
- SAT-I Verbal score of 590 or better AND B in Engl 1101 or Engl 1102
- ACT English exemption score of 23 or better AND A in Engl 1101 or Engl 1102
- ACT English exemption score of 26 or better AND B in Engl 1101 or Engl 1102
- SAT II English Writing Test score of 650 or better
- AP English Language and Composition Test score of 3 or better
- AP English Literature and Composition Test score of 3 or better
- International Baccalaureate English test score of 4 or better

Students who have earned these scores should request to have scores sent electronically directly from the testing agency.

**Nonnative speakers of English:** Nonnative speakers of English (NNS) will be certified as meeting Regents' requirements by passing RGTR 0198 and RGTE 0199. However, NNS students may demonstrate their competence in reading and writing and automatically pass these courses by passing the Reading and Writing Tests of the Georgia State Test of English Proficiency (GSTEP), taking the regular Regents' Test, or taking the Test of English as a Foreign Language (TOEFL). NNS students who have a TOEFL score of 23 or higher on the reading section of the computer-based TOEFL exam or a score of 57 or higher on the reading section of the paper-based TOEFL exam have automatically passed RGTR 0198. NNS students who have Test of Written English (TWE) score of 4 or higher have automatically passed RGTE 0199. NNS students may not take the GSTEP and the regular Regents' Test in the same semester.

NNS students who must take RGT courses may take the regular RGT courses or they may take RGT courses for NNS students that specifically address the GSTEP. These courses are offered by the Department of Applied Linguistics & English as a Second Language. For more information, contact the department, <http://www.gsu.edu/gstep>.

**Students with a baccalaureate degree:** Students holding a baccalaureate or higher degree from an accredited institution of higher learning have automatically passed RGTR 0198 and RGTE 0199.

**Students with disabilities:** Students with documented disabilities may arrange for appropriate administration of the Regents' Tests and for any necessary remediation. Contact the Office of Disability Services, <http://www.gsu.edu/disability>. Appropriate accommodation will be made based upon the student's functional limitations as presented in their documentation.

**Appeal of a failing score on the writing test:** A student may request a formal review of his or her failure on the Writing Test if that student's essay received at least one passing score among the three scores awarded. Students who wish to appeal should contact the Director of the Writing Studio in the Department of English. The review procedures shall be as follows. A student should initiate the review procedure within the first three weeks of his or her first semester of enrollment after the semester in which the Writing Test was failed. If this deadline is missed, students may initiate an appeal within one calendar year from the semester in which the failure occurred.



The appeals review will be conducted by three members of the Department of English chosen by the Director of the Writing Studio. The review panel may (a) sustain, by majority opinion, the essay's failing score, thus terminating the review process, or (b) recommend, by majority opinion, the rescoring of the essay by the Regents' Testing Program central office. The student will be notified concerning the results of the on-campus review.

If the Georgia State University panel recommends re-scoring of the essay, that recommendation will be transmitted in writing, along with the essay, to the office of the system director of the Regents' Testing Program.

All applicable regulations of the Regents' Reading and Writing Requirements Policy remain in effect for students whose tests are under review, including those regulations relating to remediation and to retaking the test.

## **1425 Federal and State Constitution and History Requirements**

As required by Georgia law, all students must demonstrate knowledge of the history and constitutions of the United States and of Georgia. To demonstrate this knowledge, students must pass Hist 2110 and PolS 1101 or pass examinations prepared by the history and political science departments to fulfill these requirements. Study aids are offered by the history and political science departments to assist students preparing for the examinations. If the examinations are passed, students must select additional course(s) from Section 3, Social Science Foundations in Core Area E. Transfer students who have fulfilled any or all parts of this requirement will be advised of that fact at the time of admission and evaluation of transfer credit.

## **1430 Academic Residence Requirement**

Academic residence is defined as being enrolled in one or more courses at Georgia State University; this is not to be confused with status as a legal resident of the State of Georgia for fee determination purposes. The minimum academic residence requirement for each baccalaureate degree is as follows:

1. The candidate must earn 39 semester hours at Georgia State in courses numbered 3000 or above with an average grade of at least a C (2.00 GPA); and
2. At least one-half of the courses comprising the major or 11 semester hours in the major, whichever is less, must be taken at Georgia State.

Credit by examination, credit by validation, CLEP credit, AP credit, and courses specifically excluded by university policy cannot be used to meet the academic residence requirement.

## **1440 D Grade Credit Restriction**

Georgia State University will allow no more than 12 semester hours of D grades to apply toward degree requirements of a baccalaureate program of study. This 12 semester hours includes both credit completed at Georgia State (resident credit) and transfer credit. Certain degree programs may designate a lesser number of D grades as acceptable. Consult your college's chapter of this catalog for stricter requirements.

## **1450 GPA Requirement**

In order to earn any Georgia State University baccalaureate degree a student must have at least a 2.00 cumulative grade point average. All attempts are included in the calculation of the GPA (see Section 1350.20). If a student takes a course multiple times at another institution or at Georgia State, the grade earned in the final attempt will determine the applicability of the course to the degree requirements. (For example, some programs require a grade of C or better in a particular course). For details on taking a course more than once, see Section 1330.35.

## **1460 No "I"s Requirement**

No student may graduate with a grade of "I" (Incomplete) on his or her record. All permanent grades for incomplete grades and grade changes for previous semesters should be received in the Office of the Registrar, Academic Records, in writing at least

two weeks prior to the commencement date. It is the student's responsibility to see to it that incomplete grades are properly recorded in the appropriate offices by this deadline.

## 1470 Semester Hours Requirement

The curriculum for a baccalaureate degree at Georgia State University requires a minimum of 120 semester hours. Some programs require a higher number of semester hours. Students should consult the description of their program in this catalog to determine the number of semester hours required.

The semester hours for graduation are calculated as follows:

### Semester hours included:

- Academic credit (transfer and Georgia State) in which grades A, B, C, D, S, or P are earned (except as excluded below) and
- Credit earned through the College-Level Examination Program (CLEP), Advanced Placement (AP), International Baccalaureate (IB), and any other approved credit-by-examination.

### Semester hours excluded:

- All hours earned in courses that are repeated except the final attempt.
- Hours earned in courses with course numbers below 1000.
- Courses (transfer and Georgia State) that are required to meet College Preparatory Curriculum deficiencies.
- GSU 1010, GSU 1050, and GSU 1060.
- Physical education "skills" courses KH 1010, 1020, 1030 (previous course prefixes: HPRD, HPRS, PE).
- Military science courses at the 1000 and 2000 level

Questions may be directed to the Graduation Office, 231 Sparks Hall, <http://www.gsu.edu/es/graduation.html>.

## 1480 Graduation Information

Graduation Office, Office of the Registrar  
231 Sparks Hall  
<http://www.gsu.edu/es/graduation.html>

Commencement exercises are held at the end of the Fall and Spring academic terms. In order to participate in the graduation ceremony, a student must have completed all degree requirements in accordance with rules and regulations found in this catalog. Diplomas are mailed approximately four weeks following the graduation ceremony. They will be mailed to the student's address of record. Students should keep their mailing addresses updated through GoSOLAR. Allow four weeks following the official date of graduation for delivery of the diploma.

Students who indicated on the graduation application that they are attending the commencement ceremony are to purchase their regalia from the Georgia State University Bookstore. The bookstore can be reached at 404/651-2155, by e-mail at [bookstore@gsu.edu](mailto:bookstore@gsu.edu), or online at <http://www.gsu.edu/bookstore>. Commencement photography is also available. More information will be sent to degree candidates by the midpoint of their scheduled semester of graduation. If you decide not to attend the ceremony, please notify the Graduation Office at 404/651-3387 or e-mail at [graduation@langate.gsu.edu](mailto:graduation@langate.gsu.edu).

Additional information concerning graduation procedures can be obtained through the graduation website.

### 1480.10 Application for Graduation

All candidates for a degree must file a formal application for graduation with the Graduation Office. Baccalaureate candidates must apply by the following deadlines before their expected term of graduation:

| <u>Term of Expected Graduation</u> | <u>Deadline</u> |
|------------------------------------|-----------------|
| Fall Semester                      | June 1          |
| Spring Semester                    | September 1     |
| Summer Semester                    | January 10      |

This allows the university to audit the student's records for problems while there is still time for the student to correct those problems.

The Graduation Office will inform the student's college when the application is filed. The Office of Academic Assistance of the student's college will conduct an audit and inform the student of any remaining requirements. The Graduation Office conducts an independent audit the expected semester of graduation to ensure that all degree requirements will be satisfied.

Students who wish to change their semester of graduation may do so by one of two means: the Change of Graduation Date form, or, by e-mailing the graduation office at [graduation@langate.gsu.edu](mailto:graduation@langate.gsu.edu). The Change of Graduation Date form must be delivered to the Graduation Office at 231 Sparks Hall. The email must state student’s name and Student ID number. If changing date by email, the student must receive a confirmation number back from the Graduation Office to be considered officially received.

Official transcripts of prior term course grades from institutions other than Georgia State University must be in the Office of Undergraduate Admissions by the last day of registration of the semester of graduation. Any other documentation pertaining to non-Georgia State courses which is needed to determine if transfer credit can be granted (such as catalog descriptions or course outlines) must be received by the student’s Office of Academic Assistance by the last day of registration of the semester of graduation.

Students who wish to be transient students or who wish to participate in cross-registration for their remaining course work will graduate one semester after the term in which the last course to be transferred to Georgia State University has been taken. Such students must obtain advance permission to complete their degree elsewhere from their college’s Office of Academic Assistance.

**1480.20 Graduation with Honors**

Scholastic recognition at graduation will be given to each baccalaureate student who graduates with a high grade point average. The specific award, based on the cumulative grade point average at Georgia State University, will be one of the following:

|                 |           |
|-----------------|-----------|
| Cum Laude       | 3.50-3.69 |
| Magna Cum Laude | 3.70-3.89 |
| Summa Cum Laude | 3.90-4.00 |

**1480.30 Exit Examinations**

The university and the student’s college may require the completion of additional competency tests appropriate to a student’s program of study prior to graduation. Information relative to these tests is available in the student’s college.

Any student failing to demonstrate required proficiency on any competency test may be required to complete such additional courses as are necessary to correct the deficiency. Courses required and completed under this provision may be with or without academic credit and may be required without regard to prior course credits in these disciplines.

**1480.40 Posthumous Undergraduate Degrees**

A posthumous undergraduate degree shall be awarded at the request of or with concurrence of the family or friends of the deceased if, at the time of death, the student was 15 or fewer semester hours short of the semester hours required to complete the degree the student was seeking and the student had a minimum Georgia State University cumulative GPA of 2.00. Additionally, a posthumous degree may be awarded through the normal process of petition for a waiver of the university’s graduation requirements. A request for a posthumous degree should be made to the University Registrar, Georgia State University.

# 1500 Student Life and Services

Georgia State University is committed to the ideal that total education involves more than academic pursuit. While students are maturing intellectually, they also are developing physically, psychologically, socially, aesthetically, sexually, and spiritually. The philosophy of student development is embodied in the areas of responsibility of the Office of the Vice President for Student Services and the Division of Student Services.

The Division of Students Services provides a network of support and encouragement for students through counseling, advocacy, advisement, recreation, health, leadership training, and opportunities for personal growth. Further, the division seeks to provide an enriching environment that allows for and encourages cross-cultural interaction, an appreciation of diversity, and ethical decision-making. Special services are also provided by the division in the areas of disabled student services, insurance, community service, and volunteering.

## 1502 African-American Student Services and Programs

The Office of African-American Student Services and Programs (OAASS&P) serves students, faculty, staff, and community members in areas such as academic advisement, campus involvement, academic support, job and graduate school referrals and recommendations, career selection, and graduate research. OAASS&P is a university-wide resource promoting diversity through quality academic services and programs related to the recruitment and retention of African Americans at Georgia State University. The mission of OAASS&P is to assist African American students in getting good grades, staying in school, and graduating. The office also collaborates with several departments, offices, student groups, and community organizations. Through quality in-house, university-wide, and community-supported programming, the office fosters academic skill development, cultural, ethnic, and racial awareness, nurtures organizational development; encourages degree completion; and participates in community service. It sponsors several academic, cultural, social, and international activities to ensure that African American students are excellent ambassadors of Georgia State University upon graduation.

While the office commits specifically to the retention of African-American students in higher learning, it also contributes to the retention of all students through its diverse programs and services. Among the many programs offered are the Minority Advising Program (MAP) that encompasses academic support workshops, a Peer Advising Network, the Black Freshman Network, the Black Sophomore Society, the ***GRE Prep sessions*** and a Tutorial program. OAASS&P is instrumental in promoting an appreciation for multiculturalism and diversity throughout the university community and celebrating excellence through initiatives such as the annual ***Tribute to Achievement Assembly, the Fall Welcome Carnival***, and Black History Month activities. For more information contact the office at (404)-463-9000 located in the Student Center, Suite 315. **Hours of operation are from 8:30 a.m. - 5:15 p.m. Monday through Friday, 8:30 a.m.-7:30 p.m. on Wednesdays.**

## 1504 Auxiliary and Support Services

The departments in Auxiliary and Support Services supplement the academic campus experience by providing services and facilitating the sale of merchandise to faculty, staff, and students. These departments include the following: ATM Banking, PantherDining, Graduation, Regalia and Photography Services, Mail Services, PantherCard, Parking and Transportation Services, Rialto Center for the Arts, Safety and Risk Management, Travel Services, University Bookstore, University Printing and Copy Services, and Vending Services.

The Auxiliary and Support Services office is located on the second floor of the University Bookstore Building. Staff in the office can be contacted by telephone at 404/651-2150 or visit the website at <http://www.gsu.edu/auxiliary>. Hours of operation are from 8:30 a.m. to 7:00 p.m. Monday through Thursday and from 8:30 a.m. to 5:15 p.m. on Fridays. Semester breaks and holiday hours are from 8:30 a.m. to 5:15 p.m. Monday through Friday.

Information about the specific operations managed by Auxiliary and Support Services follows.

### 1504.10 ATMs

ATM banking machines from several financial institutions are located on campus (University Bookstore Building, first floor; Student Center, first floor; Urban Life, third floor; Helen Aderhold Learning Center Concourse Level; University Commons, and the Village). Details are available at <http://www.gsu.edu/atms>.

## 1504.15 University Bookstore

404/651-2155

The University Bookstore, located on the third floor of the University Bookstore Building, offers a complete selection of new and used textbooks with a guaranteed lowest price (in comparison with competing downtown bookstore textbook prices). The lowest textbook price guarantee assures that the University Bookstore will match lower textbook pricing, for customers who present lower pricing among competing downtown bookstores to authorized University Bookstore personnel. The University Bookstore also buys used textbooks with a guaranteed 50% buyback on selected textbook titles. The University Bookstore offers a variety of name brand computer products including, Apple Computers, iPods, educational discounted computer software, Dell computers built to University specifications, supplies, and related class needs. Officially licensed Georgia State apparel and gifts are also sold in the University Bookstore. Purchases can also be made online at [www.gsu.edu/bookstore](http://www.gsu.edu/bookstore). Cash, credit cards, checks, and PantherCash are accepted for purchases. Special discounts are available on Friday when purchases are made with PantherCash.

## 1504.20 Graduation Regalia and Photography Services

This service provides Portrait and Ceremony Photographs with Regalia rental and purchase information is available online at <http://www.gsu.edu/bookstore> or at the University Bookstore's commencement display.

## 1504.25 PantherDining

404/651-0263

Many types of PantherDining Services including PantherDining Catering services are available by calling 404/651-0263 for more information. Available **PantherDining Catering** services include: take home party trays, student group catering, conference services, formal or informal dinners, and specialty gatherings. For more information on dining locations and services, PantherMeals, and hours of operation go to <http://www.gsu.edu/pantherdining>.

**Campus Club:** located on the third floor of the University Center. Serves a full selection of breakfast, lunch and dinner items featuring Chick-fil-A, Plaza Café, Pounce Garden, Stacks Deli, State Place Grill, Pounce Express, Freshens, grab and go items, proudly brewed Starbucks Coffee, and a quick stop for homemade pastries.

**Courtyard:** located in the Student Center. Burger King, Stacks Deli, proudly brewed Starbucks Coffee, Pasta Creations, Freshens and other grab-and-go items.

**Panther Pizza:** located on the first floor of the University Bookstore Building. Features are pizza, and a variety of pastas, salads, and grab and go items.

**Plaza Kiosk:** located outside in the University Plaza by Sparks and Kell Hall. Hot dogs, chips, sub sandwiches and ice cream are served.

**Panthers Corner:** located on the ground floor of Kell Hall. Features proudly brewed Starbucks selections, pastries and desserts, a popular menu of fresh made sandwiches, and market fresh grab and go items.

## 1504.30 PantherCard

404/651-0243

The PantherCard is the official Georgia State University identification card. It is also used as a library card, an access card to some campus facilities, and a debit card (PantherCash and PantherMeals meal plans). A PantherCard is issued to all currently registered students and to faculty, staff, and affiliates of Georgia State University. Additional information about the PantherCard program is available at <http://www.gsu.edu/panthercard>.

The PantherMeals meal plans account, which can be used in all Georgia State University PantherDining venues, saves you money while you enjoy your campus meal. PantherMeals meal plan descriptions are available at the PantherCard website. Use your PantherCard to receive vending discounts of 8% on the purchase of soft drinks or water at vending machines displaying the PantherCash sign.

PantherCash and PantherMeals meal plans accounts can be opened at the Auxiliary and Support Services office with cash, check, MasterCard, Visa, or American Express. Additional PantherCash deposits to the account can be made at the Auxiliary and Support Services office, at the PantherCash Online Card Office at the PantherCard website, or at the value transfer stations (VTS) located at Georgia State University Village, third floor Library North, first floor University Bookstore Building. More information regarding these debit accounts and their uses on campus is available at the PantherCard website.



## 1504.35 Travel Services

404/651-1947

Travel services are available to faculty, staff, and students. Travel arrangements may be made for business travel for university employees as well as leisure travel for employees and students. Refer to <http://www.gsu.edu/travelservices> for more detailed information.

## 1504.40 Parking and Transportation

Georgia State University offers three options for traveling to and from campus: driving to campus and parking on-site, driving to an off-site parking area, and discounted monthly MARTA cards. Parking Budget Cards can also be purchased for on-campus parking at a reduced rate. PantherExpress Shuttle services transport students from off-campus parking to the campus at no charge. Go to the Auxiliary and Support Services Parking website at <http://www.gsu.edu/parking> for additional information.

### Parking On-Campus

- A valid PantherCard is required for all parking transactions.
- The Auxiliary and Support Services office accepts cash, checks, Visa, MasterCard, American Express, and PantherCash.
- Parking enforcement is a year-round program. Consult the Motor Vehicle Parking information brochure for details as to specific violations and fines.
- Parking Registration includes information on the vehicle (model, make, color, license tag number).
- Daily Parking requires payment upon entry to parking areas with no in and out, or unlimited entries. A Budget Card is a recommended option for those individuals parking daily.
- The Parking Budget Card allows persons to park in the parking decks and lots on campus at a reduced price per entry.
- M Deck: A lottery is held each semester for M Deck parking which is a semester-flat-rate, guaranteed parking permit with unlimited entries. Information on M Deck is available at the Auxiliary and Support Services Parking website.
- Lofts Parking: Each Semester Tenant and non-tenant parking at the Lofts are available through Auxiliary and Support Services Parking.

### Parking Off-Campus

- The PantherExpress Shuttle Service allows students to park their vehicles with a valid parking permit at the Blue Lot, Turner Field. This parking space is limited as to availability, and is on a first-come-first-served-basis. For information regarding restricted parking dates such as on dates of Braves Baseball Games and regarding when the PantherExpress Shuttle and lot will not be available, reference <http://www.gsu.edu/shuttle>.
- Additional PantherExpress Shuttle Routes schedules are posted online at <http://www.gsu.edu/shuttle>. PantherExpress Shuttle services transport students to and from the University Village, Aderhold Learning Center, and off-campus University provided parking areas at no charge.

### MARTA

Discounted and full priced Monthly Transcards; Weekly Transcards, and Tokens (rolls of ten or twenty) can be purchased at the Auxiliary and Support Services office during regular office hours. Discounted Monthly MARTA Transcards may also be purchased at the University Bookstore, Cashiers Office in Student Accounts and at the Rialto Box Office. Schedules for sales may be accessed at <http://www.gsu.edu/marta>. Rolls of tokens may also be purchased at the Alpharetta campus.

## 1504.45 University Printing and Copy Services

404/651-2171

Located on the parking level of the Urban Life Building, the University Printing and Copy Services offers a full range of printing and copy services, including fast black and white copying, color copying, offset printing; color printing of newsletters, brochures and posters; faxing; and folding, cutting, binding, etc. Work may be completed from printed originals or from electronic

media such as diskettes and CDs. Accepted methods of payment include PantherCash, cash, check, major credit/debit cards, and interdepartmental charge cards.

As part of University Printing and Copy Services, numerous self-operated copy machines are available in the University Library and Law Library. In addition, a copier is available in the Aderhold Learning Center (Concourse Level). Most machines accept PantherCash, providing a discounted cost per copy. For more information, visit <http://www.gsu.edu/printcopyservices>.

## **1504.50 Mail Services**

404/651-2169

The Mail Services offers a variety of services including the selling of money orders and stamps, the mailing of parcels and other mail as well as interoffice mail pickup and delivery. The Mail Services operates a service window in Kell Hall. Hours of operation are 8:30 a.m. – 4:30 p.m. with general office business hours of 8:30 a.m. – 5:15 p.m. Monday through Friday. For more information, visit the website at <http://www.gsu.edu/mailservices>.

## **1504.55 Rialto Center for the Arts**

404/651-4727

Georgia State University's Rialto Center for the Arts hosts a range of performances from theater to dance to music, primarily jazz, world music, and modern dance. Tickets are available to University employees and students at discounted prices. Check the latest season's offerings at <http://www.rialtocenter.org/information/faq.html> or contact the Box Office which is open Monday-Friday from 10:00 a.m. - 4:30 p.m. Faculty, Staff and Students receive a 15% discount on tickets. Students may receive 50% off "rush" tickets the day of some performances, depending upon ticket availability. For more information, visit the Box Office, located in the lobby of the Rialto, call 404/651-4727, or e-mail at [info@rialtocenter.org](mailto:info@rialtocenter.org).

## **1504.60 Safety and Risk Management**

Safety and Risk Management offers administrative assistance and support training programs for Risk and Insurance management, Occupational Health, Fire Safety, Crisis Management, Right to Know, Workers Compensation, Training Programs, and Georgia's Clean Air Campaign. Information can be found online at <http://www.gsu.edu/~wwwsaf> or by calling their office. Risk Management questions can be directed to 404/651-4320 (Risk Manager). All safety & environmental concerns can be directed to 404/651-2167 (Director's line).

## **1504.65 Vending**

404/651-2150

Vending machines are available in several locations throughout the campus, including canned/bottled beverage machines, featuring a large selection of popular brands, beverage machines with coffees and hot chocolates, and a variety of snack items. Cash and PantherCash are accepted at most vending machines with PantherCash discounts available on select vending beverage machines. More information is available at <http://www.gsu.edu/vending>.

## **1506 Child Development Center**

The university maintains the Lanette L. Suttles Child Development Center located in Alumni Hall. The center is designed for children of students with limited space available for the children of faculty and staff. Full-time childcare is available in addition to flexible blocks of time. Information regarding hours, registration, fees, and ages of children accepted into the program may be obtained from the center at 404/651-2024 or 404/651-2025.

## **1508 Community Service**

The Office of Community Service provides assistance for students, student groups, faculty, and staff concerning volunteer and community service opportunities. The office serves as a clearinghouse and think tank for outreach programs in the metropolitan Atlanta area. Individuals who become involved with projects sponsored by the office strengthen their capacity to help solve the problems faced by society. Active participants can accomplish service goals through sustained and persistent action and collaborate with many different individuals and institutions. Many opportunities are available such as leadership roles in the student organizations or involvement with Circle K, Campus Civitan, Habitat for Humanity, Gamma Sigma Sigma, and Big Brothers/Big Sisters. For a listing of one day and on-going projects, please access *Volunteer Solutions* on our website <http://www.gsu.edu/service>, which allows you to log and track volunteer hours as well. Students and student groups who log their service hours are eligible for a prize drawing through our Rewards program. For more information on volunteer and service opportunities, please call 404/463-9043, or visit the office in Suite 320 of the Student Center.

## 1510 Counseling Center

The comprehensive services of the Counseling Center reflect the university's concern for the many needs of currently enrolled students. Counseling is available to students having educational, personal, or relationship concerns. The center offers individual and group counseling. Groups include several interpersonal process groups including one for men only and one for women only, African-American Women's Support Group, African-American Co-ed Support Group, African-American Men's Support Group, GLB Support Group, and Substance Abuse Group. Individual stress management sessions are also available to students. For those who are in counseling with the Center, psychiatric services for evaluations and medication determination are available. Referral services for students having special needs also are available.

In addition, the Counseling Center faculty teaches courses, including GSU 1010, New Student Orientation, and GSU 1050, Academic Survival Skills, and Freshmen Learning Communities, such as diversity and stress management.

Counseling is available by appointment. Students in crisis may walk in or faculty or staff may phone the center to request the services of an emergency on-call counselor. A counselor will assist in determining the most appropriate course of action.

Educational counseling services are offered to all students interested in increasing their potential for academic success and enhancing their reading, studying, and writing skills. Personalized improvement programs are developed based upon diagnostic interviews and testing. The center also offers a learning lab that has information and tapes on a variety of study skills (test taking, memory, and test preparation).

The Center offers services associated with academic and personal assessment, including testing for individual counseling, serving as a test center for national examinations, and testing for institutional programs. Test proctoring and test scoring services complete with statistical analyses are available to the faculty along with consultation on improving classroom examinations and performing survey research.

Outreach programs are designed to respond to the variety of needs that students experience during their academic careers, including stress management, time management, and study skills. The Center also offers consultation and classroom support to faculty.

All counselors in the Center have advanced degrees in social work, counseling, or psychology and have a special interest and skill in relating to university students and their concerns. Visits to the Counseling Center are private and confidential. No one outside the center is given any information regarding any appointments that have been made or what is revealed in counseling. No information becomes part of a student's academic record.

For more information on the services offered by the center, please call 404/651-2211, visit the Center at 106 Courtland St., or visit <http://www.gsu.edu/counseling>.

## 1511 Cultural Opportunities

**Georgia State University's Rialto Center** is an 833-seat performing-arts venue located in the heart of the Fairlie-Poplar district in downtown Atlanta. The annual Rialto Series presents the best of national and international jazz, world music, dance and Broadway artists from fall to spring. For information and tickets, call 404/651-4727 or visit <http://www.rialtocenter.org>.

**The School of Music** presents regular concerts with student and faculty participants at the Kopleff Recital Hall and at the Rialto Center. The wide variety of offerings can be viewed at <http://www.gsu.edu/music>.

**The Ernest G. Welch School of Art and Design** annually presents an ambitious and diverse array of exhibitions, public events, workshops and speaker presentations. Through the gallery's extensive exhibition projects and associated programming, the faculty directed Artists and Scholars Speakers Series and the Art Student Union generated Visiting Artists Program the school brings to campus artists and scholars of international repute as well as sponsors workshops and speaker events alone or in collaboration with other institutions or programs. These public programs offer rich opportunities to experience the contemporary world of art, art making, and art scholarship, visit the website at <http://www.gsu.edu/art>.

The Ernest G. Welch School of Art and Design Gallery stages exhibitions of contemporary and traditional media by local, regional, national and international artists, as well as by Georgia State students, faculty and alumni. Gallery hours are Monday through Friday 10 a.m. to 6 p.m. and Saturday Noon to 4 p.m. For more information about programming and events, visit the gallery website at <http://www.gsu.edu/artgallery>, write to [artgallery@gsu.edu](mailto:artgallery@gsu.edu) or call 404/651-0489.

**Intercultural Relations**, a part of the Office of Student Life and Leadership, sponsors many events focusing on the rich heritage of African, Asian, European, Hispanic, and Native-American cultures. The Martin Luther King, Jr., Convocation, Black History Month celebrations, speakers, symposia, cultural performances, community service projects, lectures, and socials are some of the programs offered by the office. Program information is available online at <http://www2.gsu.edu/~wwwsta/> or by contacting the office in 400 University Center, 404/463-9720.

**The Georgia State Players** operate under the direction of the Department of Communication in the College of Arts and Sciences. This group offers students interested in drama an opportunity to gain experience both in production and acting, as well as theater crafts such as set design, costuming, and props. The Players present a major production each semester, with frequent additional productions.

## 1512 Dean of Students

### 1512.10 Student Assistance

The Dean of Students Office-Student Assistance is dedicated to student success and retention through the facilitation of students' knowledge, understanding, and utilization of University systems and resources. The office assists and empowers students in conducting their University affairs by listening and analyzing the student's issue/question/concern, talking with the student to help devise a problem-solving strategy, and referring the student to appropriate staff members and departments. Visit the office located in the Student Center, Suite 300, website <http://www.gsu.edu/deanofstudents> or call 404-463-9023.

### 1512.20 Student Judicial Affairs

Georgia State University Dean of Students Office-Judicial Affairs maintains the tenuous balance of protecting the rights and safety of all students and providing students with a process that addresses their educational and developmental needs.

The Georgia State University Student Code of Conduct and Policies enunciates the types of actions that infringe upon the campus' climate of civility and the academic integrity of the University. A copy of the Student Code of Conduct and Policies may be obtained on the web at <http://www.gsu.edu/deanofstudents>. Students are obligated to be knowledgeable of and to comply with the University's rules, policies, and procedures. An overarching philosophy of judicial affairs is to facilitate students to assume the highest level of responsibility for the outcomes of their life and to develop ethical approaches to their decision-making process.

### 1512.30 Commuter Student Services

The Dean of Students-Commuter Student Services provides services to Georgia State University students, staff, and faculty, dealing with commuter-related issues. The office maintains an off-campus housing website of available housing opportunities such as rooms in private homes, roommates/apartment sharing, short-term leasing, and apartment/house hunting resources. The address for this site is <http://ochousing.gsu.edu>.

This office does not approve, inspect, or assume responsibility for those facilities listed on the off-campus website. It is strongly recommended that a visit be made to the apartment or home prior to making lease or rental arrangements. If possible, schedule more than one interview with a prospective house share/roommate and always request references.

The Dean of Students Office is located in the Student Center, Suite 300. Visit the office or call 404/463-9023 for additional assistance.

### 1512.40 Emergency Locator

In the event of an emergency such as a life-threatening situation or serious illness, the Dean of Students Office will make an attempt to deliver a message or contact number to a student in class regarding the emergency information. With the exception of public-record information such as name, address and telephone number, information regarding students' class schedules cannot be released for any purpose. Messages can be delivered to students only for emergency situations. The office is open Monday – Friday, 8:30 a.m. - 5:15 p.m. and is located in 300 Student Center. Please call 404/463-9023 for information.

### 1512.50 Religious Activities

The Council of Interfaith Concerns is a coordinating body for the religious organizations at Georgia State University. It meets regularly to plan and implement interfaith programs and activities, sponsors special worship services throughout the school year, and provides a resource for denominations and synagogues doing ministry on campus. Catholic, Jewish, and Protestant chaplains are available through the council; contacts and referrals from students, faculty, and staff are welcomed. For more information about the work of the council or any of the religious groups, visit the office in 402 University Center or call 404/651-2455.

### 1512.60 Student Accident Insurance

A portion of the Georgia State University student activity fee is used to provide accident insurance for enrolled students under certain circumstances and conditions. Students who do not pay a student activity fee may be eligible to purchase accident insurance. In order to receive benefits from this coverage, certain steps must be taken if an accident occurs. For detailed information concerning this coverage, contact the Department of Safety and Risk Management, 34 Broad Street, at 404/651-4317 or visit the website at <http://www.gsu.edu/~wwwsaf/>.

### 1512.70 Student Health Insurance

The University System of Georgia has selected Pearce & Pearce, Inc. as the student health insurance provider for all system schools for the 2006-2007 year. Beginning Fall Semester 2006, the following groups of Georgia State University students will be required to have health insurance.

- Undergraduate and Graduate International Students holding “F” or “J” visa status
- Graduate Students receiving Full-time tuition waivers
- Graduate Students receiving fellowships that fully fund their tuition

Additionally, for those students (domestic and international) not covered under the mandatory plan, a voluntary plan is also available. Eligible students include all Undergraduate Students enrolled in at least 6 credit hours and Graduate Students enrolled in the graduate or professional degree program, taking at least one graduate level course.

The following link: <http://www.studentinsurance.com> outlines the coverage, benefits and premium for an insurance program specifically designed for Georgia State University students and their dependents.

## 1514 Disability Services

The Office of Disability Services (ODS) coordinates services available for and provides information upon request to students with disabilities. Students with disabilities are asked to contact the office prior to their first semester of enrollment to register for assistance and to ensure that appropriate accommodations are made. The office answers questions regarding accessibility and accommodations at the university, maintains a computer lab with accessible hardware and software, provides testing accommodations, and can assist with filing disability-related grievances and complaints.

Please contact ODS, located in 230 Student Center, at 404/463-9044 or, for more complete information, visit the ODS website at <http://www.gsu.edu/disability>.

## 1515 Educational Opportunity and TRIO Programs

The Office of Educational Opportunity and TRIO Programs is one of the University’s primary vehicles for outreach to the greater Atlanta community. The Office serves as the coordinating body for a variety of programs designed to provide access to educational opportunities, increase retention and graduation rates as well as prepare students for doctoral study. Among its current programs are the Child Care Access Means Parents in School, Educational Opportunity Center, Educational Talent Search, Ronald E. McNair Post-Baccalaureate Achievement Program, Student Support Services, Upward Bound, and the Upward Bound Math/Science Program. For additional information, see <http://www.gsu.edu/oeo> or call 404/651-2466.

Student Support Services (SSS), a federally funded program within the Office of Educational Opportunity and TRIO Programs, is designed to increase the retention and graduation rate of college students who are first generation, demonstrate low income or have a documented disability. The college experience is enhanced for all SSS participants by providing individualized academic assessments, academic, personal and career counseling, tutoring, study skills and related workshops, special services for students with disabilities, and advocacy. SSS participants are also eligible for financial assistance in the form of grant aid and scholarships. All services are aimed at increasing the student’s academic success. Students interested in becoming a Student Support Services participant may contact the office at 152 Sparks Hall, 404/651-3357. Please visit the SSS website at <http://www.gsu.edu/~wwwsss>.

Child Care Access Means Parents in School (CCAMPIS), a federally funded program within the Office of Educational Opportunity and TRIO Programs, is designed to increase access to postsecondary education for low-income parents by providing quality, affordable and accessible child care services while they further their education. In partnership with the Georgia State Child Development Program, Student Support Services (SSS) participants are eligible to receive child care assistance as they pursue their academic goals. CCAMPIS will pay 50% of child care costs. Students interested in becoming a CCAMPIS participant may contact the office of SSS at 152 Sparks Hall, 404/651-3357. Please visit the SSS website at <http://www.gsu.edu/~wwwsss>.

The Ronald E. McNair Post Baccalaureate Achievement Program (McNair), a federally funded program within the Office of Educational Opportunity and TRIO Programs, is designed to prepare low-income/first generation and underrepresented students for doctoral study. Program activities/services include:

- Guidance in establishing educational and career goals
- Research opportunities for participants who have completed their sophomore year of college
- Faculty mentoring
- Seminars/symposiums and other scholarly activities designed to prepare students for doctoral studies
- Academic Counseling
- Assistance in securing admission and financial aid for enrollment in graduate programs
- GRE preparation



- Assistance with technical writing skills
- Assistance with oral presentation skills

Students interested in participating in the Ronald E. McNair Post Baccalaureate Achievement Program, may contact the office at One Park Place, Suite 400, 404/ 651-2467. Please visit the McNair website at <http://www.gsu.edu/mcnair>.

## 1516 Health Services

The GSU Clinic can meet all of your health care needs on campus. The staff includes physicians, nurse practitioners, nurses, and medical assistants. The clinic is located in 147 Sparks Hall, and office hours are 9:00 a.m. - 5:00 p.m. Monday, Wednesday and Thursday, with the last patient at 4:30pm; 9:00 a.m. – 6:00 p.m. on Tuesday, with the last patient at 6pm; 8:00 a.m. - 4:00 p.m. on Friday, with the last patient at 3:30 pm.

Appointments are required for visits, but urgent visits may be seen on a priority basis.

You must be a currently registered student to receive services. Always bring your PantherCard or other picture identification. We file Georgia State student insurance, but other insurance plans are not accepted. Please make payment at the time of service by cash, check, credit, or debit card. Please call 404/651-2229 for an appointment or other information, or visit our website at <http://www.gsu.edu/health>.

**Primary Care:** Visits and medical advice are FREE—fees are charged for tests, supplies, and medicines. Primary care includes diagnosis and treatment of common illnesses and chronic medical problems, wellness visits, annual physicals, STD checks and treatments.

**Minor Emergency:** Wound care including stitches, asthma care, first aid, and assessments and referrals are provided. The Clinic does NOT treat serious, life-threatening or limb-threatening illnesses or injuries. **In case of a true emergency on campus, please call 9-911 for an ambulance, and then call the university police at 1-3333.** The police can direct the ambulance to the location of the emergency. The university police can also assist if someone has a minor emergency while on campus and cannot get to the clinic without assistance. Clinic personnel cannot leave the clinic to attend to minor emergencies that occur at other campus locations, so please call the campus police to help bring the patient to the clinic.

**Sports Medicine:** Sports participation physicals are provided free, and minor injury care is provided.

**Women's Health:** Please schedule appointments for gynecological exams, PAP smears (for a fee) and birth control advice. Contraceptive pills and shots can be purchased. Also provided for a fee are emergency contraception services and pregnancy tests. Prenatal care is not provided.

**Health Education:** A variety of topics and media are offered such as safe sex information, weight control advice, healthy lifestyles, brochures and videos, and presentations to groups.

**Prescriptions Dispensed:** As part of your visit to the clinic, the doctor can dispense pre-packaged prescription medicines at a discounted price—antibiotics, allergy and cold medicines, ear and eye drops, birth control pills, dermatological creams, and more. Outside prescriptions cannot be filled.

**Immunizations:** All shots and laboratory tests needed to complete the immunization requirement for registration (Board of Regents policy) are available at the GSU Clinic through the immunization nurse. Please call 404/651-1171 for information. Vaccinations and tests provided by the immunization nurse are MMR, Rubella, Meningitis, Hepatitis A and B, Tetanus/Diphtheria, Varicella (chickenpox), and PPD (tuberculosis) skin tests. Allergy shots are provided only after a consultation visit with the doctor, along with a previous diagnosis and prescription of serum from an allergy specialist.

**Travel Clinic:** The clinic offers many travel vaccines and prescriptions. For advice on international travel, contact the immunization nurse at 404/651-1172.

**Laboratory Tests:** Most tests are available at deeply discounted prices. A few examples are urinalysis, urine culture, throat culture, thyroid panel, lipids (cholesterol) panel, gonorrhea-chlamydia probe, HIV blood test, and pregnancy tests. You must have an office visit with the doctor or nurse practitioner for a laboratory test to be ordered (immunity testing is ordered by the immunization nurse).

## 1518 Intercollegiate Athletics

Georgia State University has an intercollegiate athletic program that consists of 15 sports for men and women. The men's teams are the Panthers and the women's teams are the Lady Panthers.

Georgia State joined the Colonial Athletic Association (CAA) on July 1, 2005. Other members of the CAA include: Delaware, Drexel, George Mason, Hofstra, James Madison, North Carolina-Wilmington, Northeastern, Old Dominion, Towson, Virginia Commonwealth, and William and Mary. Georgia State abides by all rules and regulations of the NCAA and CAA for all athletic competition. Students meeting admission and eligibility requirements of the university, the NCAA, and the CAA may participate in the following sports: men's baseball, basketball, cross-country, golf, soccer, tennis, and track; and women's basketball, cross-country, golf, soccer, softball, tennis, track, and volleyball.

The men and women's schedules include competition not only against conference teams, but also other top-ranking teams around the nation. Georgia State teams and individual athletes have gained regional and national recognition. For further information contact Intercollegiate Athletics at 404/651-2772 or visit the website at <http://www.georgiastate.com>.

## 1522 New Student Programs

The Georgia State University Office of New Student Programs is committed to recruiting, retaining, and developing students. We will do so by: introducing new students to Georgia State University, offering orientation programs that facilitate their integration into curricular and co-curricular life, providing programs that enhance student development through involvement and leadership opportunities, and offering programs that integrate parents and families into University life.

The Office of New Student Programs reaches its mission by implementing the following programs: Incept: New Student Orientation, Panther Welcome Week, Freshman Convocation, Alpha Lambda Delta Freshman Honor Society, Tau Sigma Transfer Honor Society, Freshman Connections, T.O.A.S.T (Targeting Outstanding Achievements of Student Transfer), Family Weekend, and Parents Programs. The Office of New Students Programs is located in 265 Student Center. For more information call 404/463-9065 or visit <http://www2.gsu.edu/~wwwnew>.

### 1522.10 Parents Association

The Georgia State University Parents Association is an organization that provides parents of Georgia State students with a special connection to the University. The Association provides parents with an opportunity to remain actively involved with their student as they journey through the college experience together. Parents who join the Association have special access to Georgia State and all the many wonderful events and programs that happen each day on campus. For more information on the Parents Association call 404/463-9065 or visit the website <http://www.gsu.edu/parents>.

## 1524 Ombudsperson

The Office of the Ombudsperson confidentially assists all members of the campus community with informally resolving conflict or other concerns and issues. The Ombudsperson listens, answers questions, makes referrals, explains University policies and procedures, and mediates between individuals or groups in a dispute to resolve conflict. Mediation and facilitation services offered by the office give all persons involved in conflict the opportunity to discuss problems and cooperate in generating options for resolving disputes. The office also provides training and education in several areas including conflict resolution, respectful communication, cultural awareness, and civility. The Ombudsperson does not have power to adjudicate, arbitrate, or investigate complaints. Individuals who have questions or concerns about classroom environment, interpersonal conflicts, appeals processes, university policies, fair treatment, communication difficulties, or need help with resolving other university concerns are encouraged to call or visit the office to attempt informal resolution prior to filing formal complaints. The Office of the Ombudsperson is located at 215 One Park Place and can be reached by telephone at 404/651-2220, or via the Web at <http://www.gsu.edu/ombuds>.

## 1526 Recreational Services

The Student Recreation Center is a four-story, 161,000 square foot facility completely dedicated to student recreation. The facility houses state-of-the-art equipment and a wide variety of programs including aquatics, instructional clinics, fitness classes, outdoor adventure, intramural competition, sport clubs, and drop-in play. The building has a game room (with billiards and video games), a 35-foot climbing wall, racquetball courts, squash court, weight room, exercise room, swimming pool with spa, sauna and sundeck, hardwood floor courts for basketball, volleyball, badminton, floor hockey, indoor soccer and table tennis, aerobic/dance/martial art studios, outdoor equipment rental shop, indoor running track, vending area, and cyber-lounge. The equipment issue desk provides locker rentals, sports equipment, towels, gym clothing, and general information. The service counter provides activity registration, memberships, and general information. A waiver must be signed upon entry at the facility for first time users. A current validated PantherCard is required for participation in any recreation activity and for all recreation rentals.

The Instructional Clinic program provides expert instruction for a small fee in a wide variety of activities, such as tennis, fencing, yoga, martial arts, and dance.

For a small fee, the Aquatics program provides classes in swimming, scuba, lifeguard training, CPR, and first aid. For those with dive experience and a certification card, a number of weekend and weeklong scuba trips are available to various destinations in Florida, South Carolina, and the Bahamas.

Fitness classes such as aerobics, spin, and water aerobics are free to members. The Fitness Center program employs graduate students who are in the Exercise Science degree program. These professionals-in-training provide services such as fitness

assessments, personal training, body composition analysis, blood pressure checks and much more. Nutrition assessments are provided by a Registered Dietician (may not be available every semester). The Fitness Center is located inside the Exercise Room.

The Touch the Earth outdoor recreation program annually offers one-day and weekend trips, as well as break trips to locations in Georgia, the Southeast, Utah, Colorado, Washington, Minnesota, and Maine. Some activities include white-water canoeing, kayaking, rafting, flat-water canoeing, sea kayaking, sailing, wind surfing, water skiing, backpacking, mountain biking, snow skiing, in-line skating, horseback riding, rock climbing, and caving. Instruction, transportation, and most equipment are provided. Camping equipment can also be rented for personal use.

An extensive intramural program is offered in team sports such as flag football, basketball, indoor soccer, volleyball, and softball and in individual sports such as golf, tennis, table tennis, racquetball, running, badminton, billiards, bowling, and swimming. Sport Clubs are available to those who have more advanced sport skill and interest with competition taking place throughout the year locally, regionally, and nationally. Active clubs include badminton, break dancing, crew, cricket, cycling, equestrian, fencing, football, grappling, in-line hockey, lacrosse, paintball, squash, team handball, and wake boarding. The Indian Creek Recreation Area, a 16-acre wooded site in DeKalb County, offers a large outdoor swimming complex during the summer and year-round use of tennis courts, sand volley ball court, picnic areas, and a lodge. A ropes course challenge program offers team-building activities. The Indian Creek Lodge is available at no cost for use by chartered university student organizations and departments for retreats, parties, and meetings. It is not for personal use. Located on a 100-acre site in southern DeKalb County, the Panthersville Fields provide lighted playing fields and other accommodations for sport clubs, intramural activities, and varsity athletic competitions.

Complete information on all scheduled recreation activities, programs, facilities, and regulations is available in the Recreation RAP-UP, published each semester, online at <http://www.gsu.edu/recreation>, or by contacting the Recreational Services Office in 200 Student Recreation Center, or by calling 404/463-1500.

Students have paid a general fee that has funded the construction so membership for students is automatic.

The Student Recreation Center is one of the premier facilities of its kind across the country and is right on your campus. Don't miss out on the fun, fitness, learning, and adventure.

## 1528 Student Health Promotion and Education

The Student Health Promotion & Education Office envisions Georgia State University as a campus environment that empowers students to make healthier choices; and, to ultimately improve the health of individuals and communities. The mission is to support activities that empower Georgia State University students to make informed healthier choices and achieve academic success. Wellness education is provided through interactive formats, aid in connecting students with resources to gain knowledge, and provide opportunities for peer to peer education. Self-responsibility, conscious decisions, and informed choices in relation to health are encouraged. The peer health educators, and the health educator, provide wellness education through interactive formats (e.g., workshops, campus campaigns, awareness events). A wellness library with books, videos, brochures, posters, and other materials are available to students to gain additional knowledge about health related topics. Peer Health Educators provide a key leadership role in creating a healthy campus. The Health Educator is available to advise students and coordinate programming with various groups. Topics include: alcohol and other drug awareness, smoking, safer sex, sexual assault, and more. Groups and individual students are encouraged to stop by the office to learn more about promoting a healthier Georgia State! Please visit at 350 Student Center, or call 404/651-3122.

## 1530 Student Life and Leadership

The Office of Student Life & Leadership engages Georgia State University students in co-curricular experiences by providing programs, services, and leadership opportunities that complement the academic experience through out of class learning. The office is committed to involving students in activities that promote personal and academic excellence, community building, and social and civic responsibility. For more information on the opportunities listed below, visit the office at 330 Student Center or call 404/463-9031.

### 1530.10 Intercultural Relations

Intercultural Relations provides opportunities for students, faculty, and staff to engage in meaningful dialogues, actively participate in cultural programs and participate in training opportunities to enhance their understanding of and appreciation for the numerous cultures present at Georgia State. The Martin Luther King, Jr. Commemorative Week, including the Annual Convocation, Evolving Experiences dialogue series, as well as cultural speakers, performances, art exhibits and lectures are examples of the programs offered by Intercultural Relations. Program information is available by contacting the Office of Student Life and Leadership in 330 Student Center, by calling 404/463-9031 or visiting the website at <http://www2.gsu.edu/~wwwicr>.

## 1530.20 Leadership Georgia State

Leadership Georgia State University provides opportunities for students to develop skills to become the leaders of tomorrow. The various components of the program, Leadership Conclave, Emerging Leaders, the LeaderShape Institute, and the Leadership Resource Center offer opportunities for students to build strong leadership skills. A variety of monthly programs are available to all interested students and others are focused on specific target groups. More information is available online at <http://www2.gsu.edu/leadership> or by calling 404/463-9031.

## 1530.30 Student Programs

Spotlight Programs Board is the student run programming board on campus. Spotlight is responsible for planning entertainment, both social and educational, for the diverse Georgia State student body. Spotlight currently has six committees: Cinefest, Concerts, Homecoming, Public Relations, Panther Prowl, and Special Events. Information about activities or how to get involved can be found at <http://www.gsu.edu/spotlight>.

Additional programs include the Miss Georgia State University Scholarship Pageant, Significant Others Supporters (SOS) Ceremony, and the VIP Leadership dinner. The pageant is part of the Miss America Organization and it is held in the spring semester. The SOS ceremony is held during the university graduation activities for graduates to thank their family and friends who supported them through their matriculation at Georgia State. The VIP Leadership dinner is an opportunity for student leaders to meet various university administrators in a formal dinner setting. For more information on these student programs, visit the Office of Student Life and Leadership in Student Center 330 or call 404/463-9031.

## 1530.40 Student Government Association

The Student Government Association has existed through the years as the representative body of the students of Georgia State University. The university adheres to the philosophy that self-government is a catalyst for student development. The SGA exists as a means of student self-government and enables elected students to express the opinions of their fellow students in seeking betterment of the university in general. Services provided by SGA include free blue books and scantron forms (limit 2 per day), local facsimile use (1 per day), free black/white copies (10 per day), and computer and local phone use.

## 1530.50 Student Media

All students are invited to become involved with the student media organizations on campus. Whether it is music, writing, reporting, editing, producing videos, photography, or just great experience and friendships, these organizations offer something for everyone.

**GSTV**, Georgia State's closed-circuit television station, can be seen on monitors around the downtown campus and on channel 16 at the Georgia State Village and University Lofts. The office is located in 205 University Center, 404/651-2244 or visit online at <http://www2.gsu.edu/gstv>.

**WRAS-FM** is the 100,000 watt student voice of Georgia State. On the air since 1971, WRAS is known throughout the country for its cutting edge format. Also known as Album 88, WRAS is operated solely by Georgia State students. The office is located in 280 University Center, 404/641-2240 or visit online at <http://www2.gsu.edu/~www885>.

**Signal/Urbanite**, the university's student newspapers, serve as a learning workshop and source of journalistic, marketing, and photographic skills. *Signal* is published every Tuesday/*Urbanite* on Thursdays during the academic term and can be found in over 50 locations on campus. The office is located in 200 University Center, 404/651-2242 or visit online at <http://www.gsusignal.com>.

The **Georgia State University Review** is the university's literary magazine published by and for students offering a showcase for the literary and artistic talents of the university population. The office is located in 946 General Classroom Building, 404/651-4804 or visit online at <http://www.gsu.edu/gsureview>.

**Rampway Online** is an online magazine that allows Georgia State students to hone their skills in web design and other technology intensive fields. It allows writers, photographers, and graphic designers the chance to develop their abilities in an Internet-based environment. *Rampway Online* features exclusive content and content from other media groups. The online magazine, founded in 2000, takes its name from Georgia State University's now defunct yearbook. The office is located in 405 University Center, 404/651-2231 or visit online at <http://www.rampway.org>.

## 1530.60 Student Organizations

Many student organizations exist on campus to help students achieve social, professional, academic, and cultural goals, and all students are encouraged to participate in student events and organizations as their interests develop. Student activities and organizations are provided for regularly enrolled students. Currently, there are more than 240 chartered student organizations on campus. A listing of all chartered groups and qualifications can be found online at <http://www2.gsu.edu/~wwwsta/org.htm> or from the Office of Student Life and Leadership, 330 Student Center, 404/463-9031.



## 1530.70 Greek Organizations

While there are many opportunities to get involved at Georgia State, the 24 fraternities and sororities stand out as a unique and life-long involvement opportunity. A tradition as rich as Greek Life offers students an opportunity to experience leadership development, to serve hands on in the local Metro-Atlanta and campus community, network with local alumni to form career connections during college and after graduation, and make lifelong friendships, among many others. In addition, at Georgia State as well as nationally, involvement in fraternities and sororities increases students' chances of graduating from college, as well as enhances their overall academic achievement.

There are four governing bodies of fraternities and sororities: the Interfraternity Council (IFC), the Panhellenic Council (PC), the National Panhellenic Council (NPHC), and the Multicultural Greek Council (MGC). Additionally, there is an overall Greek Council, which brings representatives from every chapter together to strengthen the Greek community on campus. With 24 organizations to choose from, students are almost guaranteed to find an organization that provides the experience they are looking for. For further information on how to POUNCE on Greek Life, please visit <http://www.gsu.edu/greeklife> or contact the Greek Life Advisor at 404/463-9031.

## 1530.80 Honor Societies

The university encourages student excellence in both academic and co-curricular activities through a large number of honor societies. Examples of these are: Alpha Lambda Delta (freshman), Alpha Psi Omega (performing arts), Alpha Upsilon Alpha (literacy), Chi Sigma Iota (counseling), Gamma Theta Upsilon (geography), Golden Key National Honor Society (general), National Residence Hall Honorary (housing), National Society of Collegiate Scholars (first and second year students), Omicron Delta Kappa, Order of Omega (Greeks), Phi Chi Theta (business), Phi Sigma Tau (philosophy), Psi Chi (psychology), and Tau Alpha Chi (tax), National Honor Society of Scabbard and Blade (Army ROTC). A list of honor societies is available from the Office of Student Life and Leadership in room 330 Student Center, 404/463-9031.

## 1530.90 Professional Organizations

A large number of nationally chartered student groups to promote specific professions operate on the campus, some of which are: Actuarial Science Club, Alpha Eta Rho (aviation and transportation), Alpha Kappa Psi (business), American Marketing Association, Art Student Union, Applied Linguistics and ESL Graduate Student Association, Delta Sigma Pi (business), Doctoral Fellows of the Robinson College of Business, Environmental Law Society, James Oglethorpe Legal Society, Journalism History Society, Latino Computer Professionals Association, Minority Pre-Med/Pre-Dental Association, National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, National Student Speech-Language-Hearing Association (NSSLHA), Nursing Students at Georgia State University, Pre-Law Club, Philosophy Forum, Nutrition Student Network, National Society of Minorities in Hospitality, Religious Studies Forum, Rho Tau Organization, and Sociology Club. More information about these campus organizations can be found online at <http://www2.gsu.edu/~wwwwsta/org.htm> or by calling 404/463-9031.

## 1534 Student/University Center

<http://www.gsu.edu/studentcenter>

Student Center information (404) 463-9103

University Center information (404) 651-4738

When the doors to the Student • University Center opened in March 1998, a new generation of student activity and living room space was introduced to the Georgia State University community. This state of the art facility has grown exponentially in technology and demand from student groups and those seeking a comfortable place to study and gather. The ultra urban environment offers a large ballroom, a 425-seat auditorium, several meeting spaces, the Courtyard food options, ATMs, Information Center, E-mail stations, discount tickets to area attractions, and three unique student lounges.

The mission of this dynamic complex is to enhance the quality of student life, to facilitate a sense of community within the university, and to contribute to the learning environment. To accomplish this mission, the Student • University Center hosts over 5,000 programs each year and 20,000 guests daily remaining the main hub of student activity on campus.

The Student • University Center also serves as the home to many student services offices. The Student Government Association and Spotlight are joined by Student Life and Leadership, University Housing, New Student Programs, Community Services, Disability Services, African-American Student Services and Programs, the Dean of Students, Student Health Education and Promotion, Digital Aquarium Computer Lab, Student • University Center Administration, and Student • University Center Reservations.

In addition to meeting spaces and offices, the Student • University Center offers a television lounge, student organization offices, chapter rooms for many of the university's fraternities and sororities, WRAS-FM, Rampway, *Signal*, GSTV, Cinefest Theater, Panther Place Lounge, Campus Club food court, Honors Program, and University Career Services.



## 1536 University Career Services

404/651-2223

Location: Second floor, University Center

Hours: Monday-Friday, 8:30 a.m. to 5:15 p.m.

Website: <http://www2.gsu.edu/career>

University Career Services (UCS) is a comprehensive career center with programs, services, information, and counseling to assist students with career decisions, as well as preparation for and implementation of successful job searches.

UCS works with undergraduates and graduate students from the freshman year through graduation. Graduates may remain registered with the office until the one-year anniversary of their graduation.

Workshops and information are available to help students assess their individual talents, skills, and interests and to set career goals. Programs and materials, in addition to career days, provide up-to-date information for use in exploring careers and researching employers. **Career Conversations** brings employers to campus to talk about specific careers with a variety of organizations. The new **Career Resource Center** contains workstations with access to career guidance and employer research software. UCS utilizes two web-based systems (**Panther Career Net** and **MonsterTrak**) to register and communicate with students; provides job listings targeted to Georgia State University students, including on-campus and part-time employment; facilitates student sign up for campus interviews; and provides online employer access to resumes of Georgia State University students seeking career opportunities. Internships and Cooperative Education provide work experience related to a student's academic major and/or field of career interest.

Regular workshops and online information help students prepare resumes and develop interview skills. Programs, presented in partnership with other university units, target specific student populations. The **Etiquette Dinner** provides an opportunity for students to brush up on dining and other business and social skills. Resume critiques and practice interviews are also available.

## 1538 University Committees

### 1538.10 University Senate Committee on Student Life and Development

The University Senate Committee on Student Life and Development is a joint student-faculty advisory committee to the dean of students. The committee is a standing one, as called for in the bylaws of the University Senate, and is responsible for chartering new student organizations; recommending and reviewing proposed changes in university policy that relate to student programming and development; reviewing student fee and code of conduct changes; and facilitating communication among students, faculty, and administrative staff.

### 1538.20 Student Activity Fee Committee

The Student Activity Fee Committee, including five fee councils, is comprised of students, faculty, and staff members appointed by the Vice President. This committee is responsible for reviewing requests for funds generated by the student activity fee and making recommendations to the President for the allocation of those funds.

### 1538.30 Committee on Student Communications

The Committee on Student Communications is an advisory committee to the dean of students and has decision-making responsibility in relation to the business of and annual budget allocations for all student-operated media. Its chief functions are to interview candidates to fill the editorial and managerial positions for each of the student-operated media, to make recommendations for general policy to the dean of students, and to resolve disputes between members.

### 1538.40 Student Technology Fee Subcommittee

The Student Technology Fee (STF) Subcommittee of the Senate Committee on Information Systems and Technology (IS&T) meets annually to review proposals for expenditures of monies from the Student Technology Fee and makes recommendations for allocations to the Fiscal Advisory Committee to the President. For additional information, check the following website <http://www.gsu.edu/techfee> and <http://www2.gsu.edu/~wwwsen/committees/facp/>.

## 1540 University Housing

Housing accommodations for single undergraduate students are available in the Georgia State University Commons and in the University Lofts. The Commons houses 2,000 Georgia State undergraduate students. The Commons is a great place to live

and learn. It offers affordable, apartment-style housing in a quadrangle of four residence halls. The four and two bedroom apartments include a full-sized kitchen, a fully furnished living/dining room, and a bathroom for every two residents, and private bedrooms. The private bedrooms have basic cable television and Internet connection. The kitchen features a refrigerator, dishwasher, oven, microwave, and local phone service in the apartment. These facilities must meet all requirements of the Americans with Disabilities Act. The University Commons community spaces include, floor lounges, multipurpose programming space, meeting rooms, laundry rooms, a mailroom distribution center, and retail food service. Limited parking is also available for an additional cost and is not guaranteed. Safe and convenient access is provided through a 24-hour card-key access system with checkpoints for perimeter and building entry. Georgia State police officers are on-site 24 hours a day. Lofts Tenant parking, as well as Lofts Tenant Marta passes are available through Auxiliary and Support Services (<http://www.gsu.edu/parking>).

The Lofts residence hall facility houses approximately 450 residents and is conveniently located adjacent to campus. The University Lofts, which opened in August 2002, is a primarily undergraduate apartment-style residence hall that is home to the Undergraduate Scholars Program, athletes, undergraduate students 21 and older, graduate students, international students, students with families, faculty, and staff. The Lofts are fully furnished loft style apartments that blend urban style with modern-day conveniences. There are studios, one, two and four-bedroom apartments. The apartments include living areas, private bedrooms, a full-bath for every two residents, and a full kitchen with a refrigerator, dishwasher, stove, oven, and garbage disposal. Safe and convenient access is provided through a 24-hour card-key access system for building access. These facilities must meet all requirements of the Americans with Disabilities Act. The Lofts community spaces include a meeting room, computer lab, and laundry room. Lofts Tenant parking, managed by Auxiliary and Support Services, is also available at an additional monthly cost. This desirable in-town location is within minutes of academic buildings, the Student Recreation Center, the Student Center, and most major attractions in Atlanta. Enjoy the advantage of on-campus living with other students pursuing their education at Georgia State.

The housing costs for the Commons and the Lofts include rent, furniture, all utilities, and local telephone service in the apartment, basic cable television and Internet connection. For more information, contact University Housing in person at 250 Student Center, by phone at 404/463-9052, by e-mail at [housing@gsu.edu](mailto:housing@gsu.edu) or by visiting the Housing website at <http://www.gsu.edu/housing>.

# 1600 Teacher Preparation

<http://pef.gsu.edu/>

The university offers a wide range of educator preparation programs for students who wish to become public school teachers. Some of these programs are administered within the College of Arts and Sciences and some are administered within the College of Education. All undergraduate educator preparation programs are overseen by the Professional Education Faculty, which has membership from both colleges and is advised by Atlanta-area schools. The undergraduate programs and college of enrollment are listed below:

| <u>Teaching Field</u>                  | <u>College of Enrollment</u> |
|----------------------------------------|------------------------------|
| Art:                                   |                              |
| preschool through 12th grade.....      | Arts and Sciences            |
| Early childhood education:             |                              |
| preschool through 5th grade .....      | Education                    |
| French:                                |                              |
| preschool through 12th grade.....      | Arts and Sciences            |
| German:                                |                              |
| preschool through 12th grade.....      | Arts and Sciences            |
| Health and physical education:         |                              |
| preschool through 12th grade.....      | Education                    |
| Health occupations education:          |                              |
| 7th through 12th grade; nondegree..... | Education                    |
| Latin (Classical Studies):             |                              |
| preschool through 12th grade.....      | Arts and Sciences            |
| Music education:                       |                              |
| preschool through 12th grade.....      | Arts and Sciences            |
| Spanish:                               |                              |
| preschool through 12th grade.....      | Arts and Sciences            |
| Trade and industrial education:        |                              |
| 7th through 12th grade; nondegree..... | Education                    |

Initial certification programs in behavior/learning disabilities, communications disorders (speech-language pathology), early childhood education, educational leadership, English education, mathematics education, media specialist, middle childhood education, multiple and severe disabilities, reading specialist, school counseling, school psychology, science education, social studies education, special education, and teaching English as a second language are offered at the graduate level.

Educator preparation programs at Georgia State University are field-based; that is, much of the coursework requires structured participation in school settings. Therefore, students must be available for coursework that will be scheduled during elementary, middle, and secondary school hours, typically 8 a.m. to 3:30 p.m. Students will find it necessary to be free of other obligations during the term of student teaching and will find it highly desirable to have few other commitments during the term in which blocks of coursework must be taken. Blocks are comprised of 6 or 12 hours of coursework, which are taken in the same academic term (i.e., fall semester only) and are field-based. Exit requirements for teacher education are satisfied by successful completion of student teaching. Additional requirements exist for specific programs.

## Preparation for Prospective Teachers at the Middle Childhood (4-8) or Secondary Level (6-12) or of ESOL students (P-12)

Students interested in applying to a Master of Arts in Teaching program in the Department of Middle and Secondary Education and Instructional Technology or who wish to explore the possibility of teaching in a content area (gr. 4-8 or 6-12) or in English as a Second Language classrooms (ESOL, preschool -12) are encouraged to take pre-education courses such as the following as part of their undergraduate preparation: EDCI 3250 Introduction to Teaching in the Secondary School; EDLA 3200 Topics in Middle Grades Language Arts; EDMT 3350 Topics in Middle Grades Math; EDSC 3250; EDSS 3400 Topics in Middle Grades Social Science and History; EXC 4020 Characteristics and Instructional Strategies for Students with Disabilities; or IT 3210 Teaching, Learning, and Technology Integration.

General information for preparing to teach in these areas can be found below. For more information on specific program admission requirements for the various M.A.T. programs in the Department of Middle-Secondary Education and Instructional Technology, see those program descriptions in the GSU Graduate Catalog.

**English as a Second Language Education (P-12).** Prospective teachers of ESOL students in Georgia may choose any major but should complete at least two sequential semesters of a foreign language. Courses in applied linguistics and English grammar are also encouraged. Upon completion of an undergraduate degree, students should apply for the M.A.T. in Reading, Language, and Literacy Education which leads to certification as an ESOL teacher (P-12) and a reading endorsement.

**Middle Grades Education (4-8).** Prospective teachers of middle childhood education (MCE) level should focus on two content areas, either Language Arts/Social Studies or Math/Science, as part of their undergraduate preparation.

- For MCE language arts and social studies, students should major in either English or history and take at least 12 hours of upper division coursework in the second area. Within their undergraduate program, students should address the following areas: children's literature, grammar, composition, literature or folklore, geography, world history, Georgia history, and US history.
- For MCE mathematics and science, students should take at least 12 hours of mathematics and 12 hours of science as part of the undergraduate preparation. Within the undergraduate program, students should address the following areas: life science, earth science, physical science, geometry, algebra, number theory, and probability/statistics.
- Upon completion of an undergraduate degree, students should apply for the M.A.T. in Middle Childhood education which leads to certification in grades 4-8 in two areas of concentration (either Language Arts/Social Studies or Math/Science.)
- Students who do not follow the suggested preparation for Middle Grades Education may be able to enroll in the M.A.T. program, but additional coursework will be necessary prior to completion of the program and recommendation for certification.

**Secondary Education (6-12).** Students interested in teaching English, Mathematics, Science, or Social Studies (history, political science, economics, geography or behavioral science) at the middle and secondary level should major in Arts and Sciences in the concentration in which they would like to teach. Upon completion of an undergraduate degree, students should then apply to the appropriate MSIT Master of Arts in Teaching program in the College of Education.

## 1605 Entry into Teacher Education

Admission to Georgia State University and to the College of Arts and Sciences or the College of Education (as indicated above) is prerequisite to entry into teacher education. The minimum criteria for entry into teacher education are listed below.

1. Students must have successfully completed Area A (Essential Skills) of the undergraduate core curriculum with a grade of "C" or higher for each course.
2. Students must demonstrate competence in oral communication. Screening takes place in all education courses. At any time during their courses of study, students may be referred to the Georgia State Speech–Language–Hearing Clinic. There, screening assesses the basic communication skills adults are expected to exhibit during communication in professional settings: hearing, articulation, fluency, appropriate grammar, comprehension of spoken language, and the ability to use appropriate voice quality. Completion of referral, evaluation, and the remedial process is necessary for continuation in the program.
3. Students must have demonstrated competence in mathematics and science by successfully completing Area D (Science, Mathematics, and Technology) of the undergraduate core curriculum.
4. Students must have a minimum grade point average of 2.50 based on all undergraduate coursework attempted. For students pursuing degrees in some majors, the minimum grade point average requirement is 2.75. Students are encouraged to contact their academic advisers for information regarding the grade point average requirement for their specific majors.
5. Students must have successfully completed the Regents' Test.
6. Students must have successfully completed EPSF 2010 (Introduction to Educational Issues) with a grade of "C" or higher.
7. Students must have earned passing scores on the three sections of the Praxis I Assessment (subject fall 2006 to change to the Georgia Assessment for Certification of Educators [GACE]; visit <http://www.gapsc.com> for additional information or by achieving a passing composite score. Contact the Counseling Center (404/651-2211) or the College of Arts and Sciences Office of Academic Assistance or College of Education Office of Academic Assistance and Graduate Admissions for an examination schedule and application form. Students interested in teacher education are encouraged to take the Praxis I Assessment as soon as they complete Area A of the undergraduate core curriculum. Students who present sufficiently high SAT, ACT, or GRE scores may exempt the Praxis I Assessment requirement.

Additional criteria, including departmental requirements, may be added. Students are assigned an adviser to plan an appropriate course of study within the guidelines provided by this catalog. Entry into teacher education is a prerequisite for courses designated “(TE)” in the course description section.

## 1610 Educational Field Experiences and Student Teaching

### Student Teaching

Educational field experiences and student teaching are clinical in nature. They are designed to complement the humanistic, behavioral, and pedagogical studies in teacher education and to offer experiences in a variety of settings.

At the baccalaureate level, a sequence of clinical and field experiences is planned to complement the professional education courses included in the students programs of study.

The Opening School Experience provides practical experience in the school and classroom setting during the week of preplanning and the first week of school. Students learn effective procedures necessary for setting up a classroom at the beginning of the year. This takes place at the beginning of the students' junior or senior year prior to the student teaching experience. Students in early childhood education and health and physical education must apply for this experience in advance and must register for the course during early registration of the fall term of the year in which the experience takes place.

### Opening School Experience Application Deadline

|               |          |
|---------------|----------|
| Fall Semester | April 1* |
|---------------|----------|

\* Health and Physical Education students must apply by February 15.

Student teaching is the culmination of the clinical field experiences. Student teaching involves full participation by the students for at least one full academic term. Because student teaching constitutes a full load of academic credit, it is recommended that the students attempt neither regular employment nor other courses during the term of student teaching.

To be eligible for enrollment in student teaching, students must be admitted to teacher education and have:

- successfully completed the specific required courses of the program;
- earned an overall grade-point average no less than 2.50 (2.75 for early childhood education majors) the term prior to the student teaching experience;
- earned a minimum grade-point average of 2.50 (2.75 for early childhood education majors) in the major teaching area courses and in professional education courses. (Students who earn a grade of “D” or “F” in a major teaching field or professional education course must repeat that course and earn a grade of “C” or higher. The grade of “D” or “F” will still be included in the overall grade-point average.)

The Professional Education Faculty believes that all students who are in field experiences must be personally and psychologically equipped as well as academically prepared. Students may be denied entry to field experiences based on departmental prerequisites or the professional judgment of faculty based on observed performance and behavior. This policy is based on the premise that educators should be part of the evaluation of the students' ability to function adequately and safely in classrooms and that educators have a right and responsibility to make such judgments prior to placing students in schools.

The practicum or student teaching supervisor has the authority to withdraw students from their classroom experience if their performance constitutes a detriment to the children in the class. If such removal is necessary, students will be given an F in each corresponding course.

Applications for student teaching must be submitted according to the following schedule for all majors except early childhood education.

### General Student Teaching Application Deadline Dates\*

| <u>Term</u> | <u>Deadline</u> |
|-------------|-----------------|
| Fall.       | February 1*     |
| Spring      | February 1*     |

\*For Health and Physical Education, the deadline is February 15.

Failure to submit applications on or before prescribed deadline dates will result in a delay of one or more terms in student teaching or practicum placement. Further information regarding educational field experiences, practicum, and student teaching



experiences for each major is available from the appropriate department in the College of Arts and Science or the College of Education.

An additional lab fee of \$125 will be charged at the time students register for the student teaching experience. Educator preparation students must be aware that extra costs such as tort liability and transportation will be incurred at various times during the completion of the various teacher education field experiences, particularly during the students' senior year.

### Final Student Teaching Seminar

At the completion of the student teaching semester, all students who are eligible for certification must attend a final seminar to complete all requirements. Information concerning this seminar will be sent to the students.

### Criminal Background Investigations

It is expected that prospective teachers maintain the highest professional standards of public responsibility. Such standards have been written and adopted by the Georgia Professional Standards Commission as *The Code of Ethics for Educators*. It is the intent of the Code to "protect the health, safety and general welfare of students and educators, and ensure the citizens of Georgia a degree of accountability within the education profession." The first standard states, "An educator should abide by federal, state, and local laws and statutes."

All students who are not already certified teachers employed in Georgia must consent to a criminal background investigation before they will be placed by the college for field experiences. The results of the background check *could* disqualify students from completing the program, because many school systems do not allow persons with criminal records to teach in their schools. To consent to the background check, students must complete a *Criminal Background Consent Form*, obtainable at the Office of Academic Assistance and Graduate Admissions, 300 College of Education Building, or online at <http://education.gsu.edu/aae>. The form must be submitted along with a check or money order for \$10.00 (made out to Georgia State University), a photocopy of their state-issued driver's license, and their Georgia State University PantherCard to the Office of Academic Assistance by the deadline for applying for field experiences. This deadline is published on the OAA Web site. Students must report any circumstance in which they were convicted of a crime, paid a fine, forfeited a bond, sentenced (by a judge) to perform community service, pled *nolo contendere*, pled guilty, or received a suspended sentence from jail or prison. (Minor traffic offenses are excluded; however, DUI convictions must be reported.) All information obtained through the criminal background search will be kept confidential to the extent allowed by Georgia and Federal laws. Cooperating school systems may also request a separate background check before a placement is finalized.

When applying for certification with the Georgia Professional Standards Commission, they will conduct and evaluate background checks independently of the examinations performed by the institutions. Admission to a program and/or placement for field experiences does not guarantee that the Professional Standards Commission will ultimately certify an individual for teaching in Georgia.

## 1615 Teacher Certification

Teachers and other educational personnel must be certified by the Georgia Professional Standards Commission to be employed in the state's elementary, middle, and secondary public schools. Private elementary and secondary schools may also require state certification for employment.

Completion of Teacher Education Requirements: A requirement for initial certification in Georgia is completion of teacher education requirements. This may be accomplished in one of the following ways at Georgia State University. (Options vary by program.) In all cases, "Entry into Teacher Education" criteria apply.

- Students may complete an approved educator preparation degree program as described in the College of Arts and Sciences or the College of Education chapter of this catalog.
- Students may complete or present a noneducator preparation bachelor's degree and all additional components of an approved educator preparation degree program.

Initial certification programs in Communication Disorders, Educational Leadership, English Education, Health and Physical Education, Library Media Technology, Middle Childhood Education, Reading Specialist, School Counseling, School Psychology, Science Education, Social Studies Education, and Special Education are available only at the graduate level. The College of Education offers nine Master of Arts in Teaching programs which prepare students for initial certification in the following fields: Behavior/Learning Disabilities, Early Childhood Education, English Education, Mathematics Education, Middle Childhood Education, Multiple and Severe Disabilities, Reading, Language and Literacy Education (ESOL), Science Education, and Social Studies Education. "Entry into Teacher Education" criteria must be met for admittance into any of these Alternative Preparation Programs. See the current *Georgia State University Graduate Catalog* for more information on the university's master's level programs.

## 1620 University Recommendation

Students who complete a Georgia State University educator preparation program by one of the three methods above and who present a passing score or scores on the appropriate GACE Content Assessments may be eligible for the Georgia State recommendation for teacher certification. The College of Education's Office of Academic Assistance and Graduate Admissions can issue the recommendation to the prospective teacher shortly after Commencement following the term of completion of requirements.

## 1625 Application for Teacher Certification

Prospective teachers must apply for teacher certification. Applications are available online at <http://www.gapsc.com>. It is the students' responsibility to request the application and complete the submission process with the College of Education. The students, in a single package, must forward the application, the completed recommendation form, and official transcripts from all colleges attended to the Professional Standards Commission.

## 1630 GACE Content Assessments

The Georgia Assessments for the Certification of Educators is developed and administered by National Evaluation Systems, Inc. (NES®). Subject Assessments include the Professional Pedagogy Assessment, Paraprofessional Assessments, and Content Assessment Area tests. The GACE program helps the PSC meet its goal of ensuring that candidates have the knowledge and skills needed to perform the job of an educator in Georgia public schools. The GACE are aligned with state and national standards for educator preparation and with state standards for the P–12 student curriculum (Georgia Performance Standards). Information about the assessments is available at <http://www.gace.nesinc.com> and <http://www.gapsc.com/>.

A requirement for teacher certification in the State of Georgia is a passing score on appropriate tests of the GACE Content Assessment series. This test is administered at various times throughout the year. Test applications are available at <http://www.gace.nesinc.com>. Unless otherwise indicated in a program description, passing the GACE Content Assessment is not a degree-program requirement. All initial certification students must submit copies of complete GACE Content Assessment scores in order to be recommended for teacher certification by Georgia State University. Students are encouraged to take the test during the last term of enrollment.

Questions about teacher certification in other states should be addressed to the State Department of Education in the capital city of that state.

## 1635 Teacher Education Core

The teacher education core is common to all educator preparation programs in the College of Arts and Sciences and the College of Education. The core is comprised of the following three courses:

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| EDUC2110 | Investigating Critical and Contemporary Issues in Education                |
| EDUC2120 | Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts |
| EDUC2130 | Exploring Learning and Teaching                                            |

## 1640 Professional Education Faculty

The Dean of the College of Education is the presiding officer of the Professional Education Faculty. The faculty meets at least twice each year, once during Fall Term and once during Spring Term.

Quotidian governance of the Professional Education Faculty is conducted by the Professional Education Council, which consists of faculty members elected from the various teacher education areas, faculty members appointed by the Dean of the College of Education, students appointed by their departments, and school personnel representing Metro-Atlanta school systems. The chair of the Professional Education Council is elected annually, and the position alternates between members of the College of Arts and Sciences and members of the College of Education.

The Professional Education Faculty's primary duty is to promote and facilitate constructive interaction of the members of the Professional Education Faculty, especially along interdisciplinary lines, in the interest of maintaining excellence in professional education programs at Georgia State University. The council is served by four committees: The Executive Committee, which reviews the work of other committees and sets the agenda for council meetings; the Curriculum Committee, which reviews existing and proposed professional education programs; the Diversity Committee, which monitors and makes recommendations

regarding the faculty's progress toward goals and outcomes stated in its Diversity Plan; and the Standards and Accreditation Committee, which reviews the Conceptual Framework, legislative and Professional Standards Commission actions affecting curriculum, criteria used by accrediting bodies in their periodic reviews of programs, and programmatic recommendations of relevant scholarly and professional associations.

Additional information about the Professional Education Faculty and its activities is available through the Internet at <http://pef.gsu.edu/>.

## 1645 Conceptual Framework

The Professional Education Faculty's conceptual framework illustrates its philosophies and purposes in regard to effective teacher preparation. The framework builds on the College of Education mission statement and includes the Professional Education Faculty's purpose, assumptions guiding our programs, and candidate outcomes. The conceptual framework is described fully at <http://pef.gsu.edu/>.

### Mission Statement

The mission of the Professional Education Faculty is to provide scholarship and leadership for the betterment of education and human development.

### Purpose

At Georgia State University, the Professional Education Faculty is committed to planning, implementing, and assessing programs that prepare educational professionals focused on pupil learning and development.

### Assumptions Guiding Teacher Preparation

The faculty has adopted six assumptions that further define and add depth to its mission.

1. Learning and teaching must continually adapt to changes in society and the expanding knowledge base.
2. Learning is an active process.
3. Quality teaching takes into account individual differences, learning styles, and backgrounds.
4. Learning environments are based on the mutual respect of all participants.
5. A variety of teaching strategies and assessments are used to meet the needs of individual learners.
6. An integrated knowledge base consisting of content, skills, attitudes, technologies, and theories is developed and demonstrated in field-based applications.

### Candidate Outcome

The Professional Education initial educator preparation programs prepare individuals who, by integrating their knowledge, skills, and attitudes, make and implement effective educational decisions based on current data in each of the following areas:

1. content
2. human development
3. diversity among learners
4. varied instructional strategies and tools, including technology
5. the learning environment
6. communication skills
7. instructional planning
8. assessment
9. professional commitment
10. partnerships to support learners

These educators work collaboratively and exhibit high standards of professionalism.

## 1650 Beginning Teacher Support Program

<http://education.gsu.edu/induction>

The Georgia State University Beginning Teacher Support Program is geared towards beginning teachers' professional growth and retention. To make the first years of the teaching career as positive as possible, Georgia State's Professional Education Faculty provides to beginning teachers a network of support during the first two years in the classroom.

The Georgia State program is geared to supplement the induction work of principals, school administrators, and mentor teachers. This support includes:

- Personal contact—Each of Georgia State’s teacher education programs designates a contact person who can be reached in person, by email, or by telephone for any support a beginning teacher needs.
- Group contact—Seminars may be offered based on the assessed needs of beginning teachers.
- Technological contact—A public website containing information and support about induction is provided along with a password protected website that provides beginning teachers with personal information and support through chat rooms, threaded discussion sites, and specialized links to resources.

## **1660 Teacher Education Warranty**

Georgia State University teacher education programs provide a limited warranty and guarantee the following:

- The Professional Education Faculty of Georgia State guarantees the quality of any educator that they recommend for initial certification in Georgia.
- Georgia State guarantees educators during the first two years immediately following graduation from Georgia State or following recommendation by Georgia State for an initial certificate, whichever occurs first.
- Any Georgia State educator in a Georgia school who fails to demonstrate essential skills can receive additional training at no expense to the educator or the employer.

# 2000 Andrew Young School of Policy Studies

## 2010 Office of the Dean

14 Marietta St. N. W., Suite 635

404/651-3990

<http://aysps.gsu.edu>

Roy W. Bahl, Dean

Robert E. Moore, Associate Dean

### 2010.10 Mission

The Andrew Young School of Policy Studies was established in 1996 with the objective of achieving excellence in the design, implementation, and evaluation of policies that help guide society and the economy. To this end, the school has assembled a distinguished faculty and professional staff combining practical experience and scholarly credentials on a broad range of policy matters.

The school is committed to quality education, offering a variety of academic undergraduate and graduate degree programs as well as nondegree training programs. It engages in basic and applied research and outreach addressed to the ongoing management of policies and programs. The school houses several prestigious research centers focusing on the practical needs of governmental, nonprofit, and private-sector organizations in Atlanta, the state of Georgia, and the broader national and global communities. Degree programs in economics, policy studies, public administration, and urban studies integrate individual academic career preparation with addressing those needs.

### 2010.20 Accreditation

The Master of Public Administration degree is accredited by The National Association of Schools of Public Affairs and Administration.

### 2010.30 Degrees Offered

Undergraduate and graduate degree programs are offered through the Department of Economics and the Department of Public Administration and Urban Studies. Graduate degree programs are listed at the end of this section. The Andrew Young School of Policy Studies offers the following undergraduate programs of study:

#### The Bachelor of Arts

Major in Economics

Concentration in Social Studies Education

Major in International Economics and Modern Languages

#### The Bachelor of Science

Major in Economics

Concentration in Social Studies Education

Major in Public Policy

Major in Urban Policy Studies

Concentrations in: Local Government Management, Planning and Economic Development, Public and Nonprofit Human Resource Policy, and Public Policy

Also offered through the College of Business Administration is the B.B.A. degree with a major in Business Economics. (See the "J. Mack Robinson College of Business" chapter of this catalog for program curriculum.)



## 2010.40 Facilities/Services

### AYSPS Research Support Center

14 Marietta St. N. W., Suite G49

404/651-3913

<http://www.gsu.edu/%7Ewwwfnd/index.htm>

The school research support center, formerly known as the Information Center, collects selected literature and data sets on fiscal policy, public administration, and economic issues to support ongoing research projects of the faculty and its research centers. See the website for beginning a search of the literature of regional, national, and international policy issues:

<http://www.gsu.edu/%7Ewwwfnd/>.

The center and university liaison librarians work to link pertinent sites to reduce search time for electronic journals licensed to the Georgia State University student and faculty community, as well as those licensed by the powerful statewide Galileo database system.

Sources of interest which are available include EuroMonitor World Marketing Data, which gives country's macroeconomic indicators. A Lexis-Nexis statistical search yields tabular data by specific field, including geographic, demographic, income, and time series data in downloadable files from licensed on-campus computers.

The center's sources include data sets and documentation from the Bureau of Labor Statistics, the Census Bureau, and the Bureau of Economic Analysis, among others.

*EconLit*, from the American Economic Association, *PAIS International* — Public Affair Information Service, *Tax Analysts tax weeklies*, and National Tax Association periodicals for tracking tax and regulatory issues, and publications from the National Council of State Legislatures are accessible. Among international publications owned are *Government Finance Statistics Yearbook*, *World Economic Outlook*, *World Development Indicators*, as well as publications from the OECD, International Monetary Fund, The World Bank, and the United Nations.

Database training materials, data set manuals, and website lists are provided.

## 2010.50 Research Centers and Programs

### Domestic Programs

<http://domestic.gsu.edu/>

Domestic Programs is home to several separate programs and activities. Some of these programs link the School with the community. Other activities and projects aim to inform the debate on public policy in the metropolitan Atlanta area, the state of Georgia, and the nation through research and education. The issues that are addressed include those associated with the structure of urban area, government tax and expenditure policy, education, program evaluation, social policies, and economic development. Some of the specific topics include the evaluation of pre-K programs, analysis of the transition from welfare to work, studies of teacher retention, a multi-year study of public housing transformation, and studies of the labor market opportunities of low-skilled workers. Domestic Programs also houses Atlanta Census 2000 — *a portal that allows easy mapping of census data*.

Domestic Programs has extensive experience in measuring performance of programs in areas as diverse as education, transportation, and information systems. The evaluation and policy analysis projects have included many studies of educational programs. The office's work in analyzing the effects of Georgia's innovative HOPE Scholarship and in evaluating the nation's first universal pre-kindergarten program has brought national attention. Evaluations conducted by the office's staff range from large-scale statewide and national programs to school based innovations. Funding for the Domestic Programs comes from a variety of governmental, foundation, and business sources.

### The Experimental Economics Center

<http://excen.gsu.edu/>

The Experimental Economics Center (ExCen) supports research, teaching, and policy applications involving controlled experiments with human decision makers. Its central objective is to promote the development and application of economics and related academic disciplines as empirical social science. Ongoing research in the Center involves development of economic theory supported by data. Research and teaching support facilities developed and maintained by the Center include the AYSPS experimental economics laboratory and EconPort (<http://econport.org>), an economics component of the National Science Digital Library. External funding is provided by the National Science Foundation and core support comes from the Georgia Research Alliance and the state government. Projects currently receiving grant support include the following: "Collaborative Research: IT-Enhanced Market Design and Experiments"; "Disseminating Experiments in Economics with the EconPort Digital Library"; "Choosing Among Risky Alternatives: An Experimental Investigation of the Impact of Insurance on Biases in Decision-Making"; "Game Theory and Social Interactions: A Virtual Collaboratory for Teaching and Research"; "Ethnic and Social Barriers to

Cooperation: Experiments Studying the Extent and Nature of Discrimination in Urban Peru”; “Prejudice and the Perpetuation of Differences: Experiments Exploring the Impact of Performance and Appearance on Sorting”; “Trusting Appearances and Reciprocating Looks: Experiments on Gender and Race Preferences.”

### **Fiscal Research Center**

<http://frc.gsu.edu/>

The Fiscal Research Center was established in 1995 to provide a stronger research foundation for setting fiscal policy for state and local governments and for better-informed decision-making. The FRC helps stimulate debate on fiscal policy and provides nonpartisan research, technical assistance, and education in the evaluation and design of state and local fiscal and economic policy, including both tax and expenditure issues. The FRC mission is to promote the development of sound public policy and public understanding of issues concerning state and local governments.

The research agenda of the Fiscal Research Center is composed of three broad categories: Intergovernmental Issues, Tax Policy, and the Georgia Economy. Intergovernmental Issues conducts research related to education financing and the delivery of education in Georgia as well as understanding inherent in relationships between state and local governments. Tax Policy includes: the taxation of banking, insurance, and corporations; the structure and impact of income taxation; the structure, administration, and effects of property taxation and sales/excise taxation; alternatives in the taxation of public utilities; and policy issues associated with government budgeting. The Georgia Economy research includes issues relevant to the state’s economic development efforts, studies of various sectors and aspects of the Georgia economy, and development/maintenance of a database built on the Unemployment Insurance records from the Department of Labor, welfare records for the Department of Human Resources, and other agency databases.

### **The Georgia Health Policy Center**

<http://www.gsu.edu/~wwwghp/>

The Georgia Health Policy Center, established in 1995, provides evidence-based research, program development and policy guidance on local, state and national levels to improve health status at the community level. The Center distills qualitative and quantitative research findings to connect decision makers with the evidence-based research and guidance needed to make informed decisions about health policy and programming. The Center is at work nationwide focusing on some of the most complex policy issues facing healthcare today including public and private health insurance coverage, the uninsured, long-term care, public health, children’s health and community health system development.

### **International Studies Program (ISP)**

<http://isp-aysps.gsu.edu/index.html>

The International Studies Program (ISP) provides academic and technical training, research, and technical assistance to support sound public policy and sustainable economic growth in transitional and developing economies. This program is recognized worldwide for its contributions to economic and policy reform.

ISP faculty and staff, other Andrew Young School faculty, affiliates, and a network of consultants serve as project directors, senior advisers, chiefs-of-party, or lead economists for major projects in areas including fiscal policy, tax administration, economic analysis and revenue forecasting, fiscal decentralization and intergovernmental fiscal relations, and public administration, budgeting, and financial management. These experts work together to implement technical assistance projects for clients and have assisted more than 60 countries.

The United States Agency sponsors ISP projects for International Development (USAID), The World Bank, the United Nations Development Program, the Asian Development Bank, the Inter-American Development Bank, and other regional and national funding agencies.

ISP annual summer training programs provide training on fiscal decentralization and budgeting for senior government officials from developing and transitional countries and for donor agency representatives from other countries. These training programs are in such great demand that ISP added an additional program on revenue forecasting and fiscal management. ISP also develops specially tailored training focused on specific policy topics as requested by its clients. More on the International Studies Program is found online at <http://isp-aysps.gsu.edu/>.

### **Public Performance and Management Group**

10 Park Place, Ste 415B

404/651-3532

<http://aysps.gsu.edu/ppm>

The Public Performance and Management Group (PPM) is affiliated with the Department of Public Administration and Urban Studies and offers an array of resources and solutions to assist public administrators strengthen strategic and operational performance. Core activities include executive level training and development; applied research, policy analysis, and evaluation; short or long-term assistance with planning and performance improvement; and dissemination of effective practices.

PPM supports improved public performance by providing real-world solutions to today's public policy and management problems. In addition, PPM provides the ongoing opportunity for faculty and student involvement in field-based projects. All activities are practitioner-oriented and customized for a wide range of state and local government settings. Funding for PPM projects comes from federal grants as well as state and local contracts.

### **Research Atlanta Civic League**

<http://www.racl.info/>

The Regional Atlanta Civic League (RACL) was founded by the merger of Research Atlanta, the Regional Leadership Forum, and the Metro Group. The League combines the respective resources and core competencies of its three legacy organizations to create a new vehicle for engaging the public in the development of broad-based solutions to regional challenges. The League is a metro Atlanta citizen organization dedicated to studying public policy issues confronting the Atlanta region and creating discussions by citizens and leaders about these issues. Although independent, RACL is housed at the Andrew Young School, which partners with the RACL.

## **2020 Academic Regulations**

### **2020.10 Transient Status at Other Institutions**

Students enrolled in the Andrew Young School of Policy Studies who wish to take course work in transient status at another institution, whether as a full-time or part-time student, must have prior written approval from the Office of Academic Assistance if they wish to apply the credit to a degree program.

### **2020.11 Directed Readings (Econ 4380/PAUS 4901)**

Courses designated Econ 4380 and PAUS 4901 in the various undergraduate programs are intended to allow students of proven performance to do independent study in a specific subject area. Enrollment in a directed readings course requires prior consent of the instructor. Enrollment for PAUS 4901 is limited to undergraduate students with a grade point average of 3.0 or higher. A maximum of one directed readings course may count toward fulfillment of degree requirements, and the course may not be substituted for a core course requirement. The subject of the independent study will be determined in consultation with the faculty member responsible for supervising the independent work. A faculty member may seek the assessment of a second faculty reader on any directed readings paper. Letter grades, rather than grades of S or U (satisfactory or unsatisfactory), will be assigned for all directed readings courses.

### **2020.12 Modification of Degree Requirements**

Students may petition for modifications of the degree requirements of the Andrew Young School of Policy Studies. Degree modification petitions are granted only in the case of extenuating circumstances and only when an educationally acceptable substitution is proposed. Petition forms and information are available in the Office of Academic Assistance and online at <http://aysps.gsu.edu/acassist/resources/index.htm>.

### **2020.13 Undergraduate and Postbaccalaureate Admission into a Graduate Course**

Under certain conditions, an undergraduate or postbaccalaureate student may be admitted into a graduate course. To be eligible, an undergraduate student generally must have a cumulative grade point average of 3.5 or higher and be within 18 semester hours of graduation; a postbaccalaureate student generally must have a cumulative grade point average of 3.5 or higher in his or her undergraduate work as well as any graduate work taken at this or any other institution.

Eligibility does not guarantee admission into a course. The interested student must apply through the Office of Academic Assistance for special graduate student status. Approval of that status requires the concurrence of the student's academic adviser, the chair of the department in which the student is enrolled, and the director of the Office of Academic Assistance. Once the status has been approved, the student is permitted to enroll in a graduate course only with the permission of the instructor and the chair of the department in which the course is taught.

## 2020.14 Awards, Honors and Scholarships

The Andrew Young School of Policy Studies recognizes the academic achievements and service of its students each spring semester at an Honors Day ceremony. A number of awards, honors, and scholarships are presented annually to outstanding undergraduate students, including: the Carolyn McCain Young Leadership Fund Award, Jack Blicksilver Scholarship, Economics Award, Andrew Young School of Policy Studies Honors Program Award, Wall Street Journal Student Achievement Award in Economics, William R. Gable Award, Dan Sweat Award, and the Governor Joe Frank Harris Scholarship. Further information is available through the Office of Academic Assistance.

## 2030 College-level Degree Requirements

All undergraduate programs offered by the Andrew Young School of Policy Studies are designed to comply with the University System of Georgia core curriculum requirements. The program requirements for Undergraduate Core Curriculum Areas A through E are listed in the “Core Curriculum” chapter of this catalog.

## 2040 Academic Advisement

Office of Academic Assistance

14 Marietta St. N.W., Suite G52

<http://aysps.gsu.edu/acassist/index.htm>

Sue Fagan, Director

Wanda Cooley, Associate Director

Mathieu Arp, Administrative Specialist-Curriculum

Academic advisement is required of all students in the Andrew Young School of Policy Studies. The school has developed a system of advisement that integrates the Office of Academic Assistance and faculty advisers within the school. Through the advisement process, students will be able to know the requirements and policies of the university, college, and department as they relate to their educational experiences and goals. Students will be able to identify and utilize university resources effectively to: satisfy degree requirements; plan programs of study, including selection of appropriate courses and registration; discover how interests, skills and goals connect to fields of study and careers; and be able to formulate appropriate questions, seek information, and evaluate and apply academic advice. The office is open from 8:30 a.m. to 5:15 p.m. Mondays, Thursdays and Fridays and from 8:30 a.m. to 6:00 p.m. Tuesdays and Wednesdays (when school is in session).

## 2050 Student Appeals and Petitions Procedures (See Addendum)

~~The appeals procedure for students in the Andrew Young School of Policy Studies will follow different courses depending on the nature of the student's appeal. The various types of situations and the appropriate appeals avenues are as follows:~~

~~**Admissions Appeals:** at the undergraduate level, the university rather than the colleges makes admissions decisions. The university's Office of Undergraduate Admissions should be contacted for the proper procedure.~~

~~**Appeal of Course Grades:** An instructor shall not be required to answer to any authority concerning the basis of the instructor's judgment about the academic performance of a student, unless the petitioner is able to document clear evidence of arbitrariness, capriciousness, bad faith, or abuse of discretion. The following information applies:~~

- ~~1. A student should first review the situation with the instructor who assigned the grade. If the question is not resolved, the student may appeal, in writing, to the department chair of the instructor who assigned the grade, sending a copy of the letter to the instructor. The letter must include all points that the student considers to be germane to the appeal; additional points not contained in the initial letter cannot be considered subsequently. The written appeals should include: (a) a statement of the complaint/grievance, with specifics as to event(s) or incident(s) in question, and including evidence to support the student's allegation(s) of discrimination and/or arbitrary or capricious action on the part of the instructor; (b) a statement of the redress being sought; (c) steps already taken; and (d) reasons for dissatisfaction with the decision from the informal process. The written appeal must be sent to the department chair within 30 calendar days of the first day of classes of the semester immediately following the semester in which the grade was given. If the final grade assignment occurred at a time other than the normal grade reporting process at the end of the semester, the written appeal must be sent to the department chair within 30 calendar days of the date the final grade was assigned. Normally, the chair's decision will be conveyed to the student, in writing, within three weeks of the date the student's written appeal is received.~~

2. ~~A student who wishes to appeal the decision at the department level may appeal in writing to the associate dean. The written appeal must be received within 14 days of the date of the letter from the department chair, and it must indicate specifically why the student believes that due process was not exercised at the department level. The associate dean will examine the facts and review the appeal with the dean of the school. The dean will then render a written decision for the school within 45 days of the date of the letter from the department chair.~~
3. ~~A subsequent appeal requires a written statement to the vice president for academic affairs indicating the basis of the appeal. The statement must be received within 14 days of the date of the dean's letter to the student.~~

~~**Appeal of Suspension and Exclusion:** At the undergraduate level, appeals related to scholastic suspension or scholastic exclusion are considered by the university's Student Advisement Center. That office should be contacted for the proper procedure.~~

~~**Other Appeals:** Appeals not specifically covered in the foregoing procedures should normally follow the pattern outlines for the appeal of a course grade or the appeal of a suspension, whichever is appropriate. Students may contact the Office of Academic Assistance for clarification of the Andrew Young School of Policy Studies appeal procedures.~~

## 2060 Student Organizations

### The Economics Club

The aim of this chartered organization is to promote knowledge of economics on campus and in the community through its activities, and a forum where students with similar interests can meet, share ideas, socialize, and enhance their knowledge. Membership is open to all students interested in economics, regardless of their major. The club's many activities include a guest speaker series that brings noted economists and business leaders to the campus, seminars focusing on career information, and social events. For more information, contact the Department of Economics, 404-651-2626 or visit the Economics Club website: <http://www2.gsu.edu/~wwwecc/economics%20club.htm>

### Omicron Delta Epsilon

Omicron Delta Epsilon is a national honor society open to students majoring in Economics. To be eligible for membership, a student must have a cumulative grade point average of 3.0 or higher. For information about Georgia State's chapter of this honor society or to apply for membership, contact the Department of Economics, 404/651-2626 or visit the AYSPS website: <http://aysps.gsu.edu/academics/studentorganizations>

### PAUS Network

The PAUS Network aims to connect public administration and urban policy studies' students, faculty and alumni through hosting social functions, guest speakers, and other events. Their goal is to enhance the academic and social experiences of students in the PAUS department. The Network supports students in both social and professional arenas and is an informational resource for members. Contact the Department of Public Administration and Urban Studies for more information, 404-651-3350 or email PAUS Network: [paus-network-owner@googlegroups.com](mailto:paus-network-owner@googlegroups.com)

## 2070 Academic Departments and Faculty

The Andrew Young School of Policy Studies is composed of two academic departments: Economics and Public Administration and Urban Studies.

### Department of Economics

5<sup>th</sup> floor, AYSPS Building  
404/651-2626

<http://www.gsu.edu/~wwwsps/econ/index.htm>

James Alm, Chair

Caroline Griffin, Administrative Specialist – Managerial

Bess Blyler, Administrative Specialist-Academic

Mary Kenyatta, Administrative Assistant



Faculty: Alm, Bahl, Banzhaf, Boex, Cox, Farnham, Ferraro, Frost, Gurmu, Kagundu (visiting), Kaufman, Kitsul, Krupka, Laury, Mansfield, Martinez-Vazquez, Moore, Peter, Petrie, Rashad, Rider, Rioja, Rork, Ross, Sadiraj, Seaman, Sjoquist, Stephan, Swarthout, Taylor, Tekin, Turnbull, Valev, Walker, Wallace, Xu, Young

Faculty Adviser: Shelby Frost. Please visit the Department of Economics advising website at:  
<http://www.gsu.edu/~ecosdf/advising.htm>.

**Career Opportunities and Related Courses:** A recent study by the U.S. Census Bureau showed that college graduates who majored in economics were among the highest paid employees (economics ranked as the third most lucrative major). An undergraduate degree in economics furnishes a valuable background for a domestic or international career in law, government, business or education. Government service provides many opportunities at the federal, state, and local level that require only an undergraduate degree in economics. What economists do in business is as broad and varied as the full scale of managing a firm's operations; economists are found in staff departments handling marketing, business planning and policy, finance, international operations, government relations, and even purchasing and operating logistics. An economics degree also combines well with training in other disciplines such as finance, real estate, political science, journalism, history, law, and foreign languages.

Students who plan to have a career or pursue graduate work that uses economics should consider the courses listed below. The listings are suggestions for broad categories and do not exclude other offerings. These suggestions do not replace advisement or override any degree requirements regarding choices of major or elective courses.

Business: Econ 4500, 4950, 4300, 4470, 4700, 4800, 4810, 4960.  
Local, State, or Federal Government: Econ 4210, 4220, 4350, 4500, 4950, 4300, 4400, 4470.  
Foreign Service or International Business: Econ 4500, 4600, 4700, 4800, 4810.  
Pre-Law: Econ 4450, 4470, 4680, 4800, 4810, 4960.  
Graduate Studies in Economics: Econ 4230, 4950, 4930.  
Graduate Studies in Business: Econ 4500, 4950, 4470, 4700, 4810, 4930, 4960.  
Graduate Studies in Human Resource Management: Econ 4470, 4950, 4960.  
Graduate Studies in the Social Sciences: Econ 4080, 4350, 4600, 4700, 4680.

## **Department of Public Administration and Urban Studies**

14 Marietta St. N.W., Ste 324  
404/651-3350

<http://www.gsu.edu/~wwwpau/>

Greg Streib, Ph.D., Chair  
Elsa Gebremedhin, Administrative Specialist –Managerial  
Lisa Shepard, Administrative Coordinator

Faculty: Bourdeaux, Cascone, Eger, Hansen, Helling, Henry, Johnson, Kahnweiler, Kerlin, Lewis, Locklin, Minyard, Newman, Nigro, Pitts, Poister, Roch, Streib, Thomas, Twombly, Waugh, Willoughby, Young

The Department of Public Administration and Urban Studies offers a variety of interdisciplinary degree programs designed to prepare students for life and work in a range of professions in metropolitan areas. At the undergraduate level, the department offers a Bachelor of Science degree in public policy and an additional major in urban policy studies which includes a choice of specializations between local government management, planning and economic development, public and nonprofit human resource policy and public policy. Graduate degrees are available in public administration, urban policy studies, and public policy.

## **2110 Economics**

### **Programs Offered:**

**Bachelor of Arts Major in Economics**  
**Bachelor of Science Major in Economics**  
**Bachelor of Arts Major in International Economics and Modern Language**

*For information about the B.B.A. degree with a major in business economics offered by the J. Mack Robinson College of Business, please refer to that college's chapter in this catalog.*

Economics provides a way of thinking about everyday decision-making in a world of limited options. It explains the economy as a whole, how it is best organized to provide goods, services, jobs, stable prices, and other economic goals. Economists study the ways a society distributes scarce resources such as land, labor, raw materials, and machinery to produce goods and services choices that must be made because time, income, wealth, workers, and natural resources are limited. Principles of economics are useful at all levels of decision-making, and provide an essential framework for analyzing and understanding such major issues as inflation, unemployment, deregulation of banking, tax reform, fluctuations in foreign exchange rates, labor productivity, and foreign debt crises.

Most economists are concerned with practical applications of economic policy in a particular area. They use their understanding of economic relationships to advise businesses and other organizations, including insurance companies, banks, securities firms, computer and data processing companies, management consulting firms, industry and trade associations, labor unions, and government agencies. Some economists work abroad for companies with international operations and for organizations like the World Bank and United Nations.

Economists use mathematical models to develop programs that predict, for example, the nature and length of business cycles, the effects of inflation on the economy, or the effects of tax legislation on unemployment levels. Preparing reports on the results of their research is an important part of the economist's job. Being able to present economic concepts in a meaningful way is particularly important for economists who are involved in making policy for their organizations.

The student with a major or minor in economics may choose from a broad array of topics including foreign trade, environmental and natural resources economics, money and credit, public sector economics, labor economics, economic development, international finance, urban and regional economics, economic history, industrial organization and antitrust policies, and mathematical economics. Majors may pursue careers in many areas, some of which are listed below along with courses applicable to the career choice.

Economics majors who are considering graduate study in economics are encouraged to take Math 2211 and Math 2212 in place of Math 1111 and Math 1220. Consult the course descriptions for the Department of Mathematics and Computer Science for prerequisites before taking these courses.

### **Program Admission**

There are no admission requirements above the requirements for admission to the University for enrollment in the B. A. or B. S. with a Major in Economics.

### **Program Financial Information**

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

### **Program Degree Requirements**

For degree credit, a minimum grade of C must be attained in ENGL 1101 and 1102, and all courses in the major common core curriculum, policy/business and minor for the B. A. and B. S. degree with a major in economics.

## **2110.10 Bachelor of Arts Major in Economics**

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the "University Degree Requirements and Graduation" chapter of this catalog. The number of semester hours credit required for each section is shown in parentheses. Students may not receive both a BA and a BS degree from the Andrew Young School of Policy Studies with a major in economics.

**Area A: Essential Skills (9)**

**Area B: Institutional Options (4)**

**Area C: Humanities and Fine Arts (6)**

**Area D: Math, Technology and Science (11)**

**Area E: Social Science (12)**

**Area F: Courses Appropriate to the Major (18)**

Econ 2105 Principles of Macroeconomics

Econ 2106 Principles of Microeconomics

Math 1070 Elementary Statistics - If taken in Area D, a 1000/2000 level elective from Areas A-E may be substituted.

Foreign language requirement: (6)

1001/2002 Choose from Arabic, French, German, Italian, Japanese, Latin, Russian, Spanish.

If the combined course Fren 1001A-1002A or Span 1001A-1002A is chosen, one additional 1000/2000 level elective from Areas A-E must be chosen. If Fren 1002, Grmn 1002, Ital 1002, Japn 1002, Latn 1002, Russ 1002 or Span 1002 is chosen in Area C, one or two additional 1000/2000 level elective(s) from Areas A-E must be chosen.

Elective: one 1000/2000 level course chosen from Areas A-E.

**Area G: Major Common Core Curriculum (24)** A minimum grade of C is required for all courses in this area.

Econ 3900 Macroeconomics

Econ 3910 Microeconomics

Econ 4999 Senior Capstone in Economic Policy

Choose five 4000 level Econ courses (15)

**Area H: Policy/Business (6)** A minimum grade of C is required for all courses in this area.

Select two courses from the following three topic areas. Both courses cannot be taken from the same topic area, and courses may not be from the department in which the student is receiving the minor.

**Policy**

|           |                                            |
|-----------|--------------------------------------------|
| Geog 4762 | Economic Geography                         |
| Geog 4764 | Urban Geography                            |
| Geog 4766 | Urban Transportation Planning              |
| Geog 4768 | Metropolitan Atlanta                       |
| Geog 4776 | Location Analysis                          |
| HHS 3300  | Human Services Policy, Planning and Trends |
| PAUS 3011 | Introduction of Urban Policy Studies       |
| PAUS 3111 | Urban Political Economy                    |
| PAUS 3311 | The Public Policy Process                  |
| PAUS 4031 | Policy Research Methods II                 |
| PolS 3110 | State Government                           |
| PolS 3400 | International Politics                     |
| PolS 3750 | Public Policy Analysis                     |
| PolS 4430 | International Political Economy            |
| PolS 4450 | Foreign Policy Decision Making             |
| SW 3930   | Social Welfare Policy                      |

**Math/Business**

|           |                                |
|-----------|--------------------------------|
| Math 3260 | Differential Equations         |
| Math 3435 | Introductory Linear Algebra    |
| Math 4211 | Optimization                   |
| Math 4265 | Partial Differential Equations |
| Math 4435 | Linear Algebra                 |
| Math 4751 | Mathematical Statistics I      |
| Math 4752 | Mathematical Statistics II     |
| Acct      | Any 3000/4000 course           |
| CIS       | Any 3000/4000 course           |
| Fi        | Any 3000/4000 course           |
| MGS       | Any 3000/4000 course           |
| Mk        | Any 3000/4000 course           |
| RMI       | Any 3000/4000 course           |

**Skills**

|           |                                         |
|-----------|-----------------------------------------|
| Engl 3130 | Business Writing                        |
| Lgls 3020 | Introduction to the Law                 |
| Lgls 4050 | Principles of Business Law              |
| Psyc 3560 | Leadership and Group Dynamics           |
| Spch 3010 | Advanced Public Speaking                |
| Spch 3210 | Business and Professional Communication |

**Area I: Minor (15)** Courses selected must total nine semester hours at the 3000/4000 level. A grade of C or higher is required in all minor courses. Each student will select a minor consisting of 15 semester hours, in one department/school/institute other than the major.

**Area J: Electives (15)** Six semester hours must be at the 3000/4000 level.  
Elective courses to complement the major are selected in consultation with the faculty adviser.

**Total Semester Hours for Degree: 120**

## 2110.11 Bachelor of Science Major in Economics

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the "University Degree Requirements and Graduation" chapter of this catalog. The number of semester hours credit required for each section is shown in parentheses.

**Area A: Essential Skills (9)**

**Area B: Institutional Options (4)**

**Area C: Humanities And Fine Arts (6)**

**Area D: Math, Technology And Science (11)**

**Area E: Social Science (12)**

**Area F: Courses Appropriate to the Major (18)**

Econ 2105 Principles of Macroeconomics

Econ 2106 Principles of Microeconomics

Math 1070 Elementary Statistics - If taken in Area D, a 1000/2000 level elective from Areas A-E may be substituted.

Math 2211 Calculus of One Variable I (4)

Math 2212 Calculus of One Variable II (4)

Elective A 1000/2000 level course from Areas A-E.

If all required hours are taken in Area F, any hours over 18 will be counted toward the second 60 semester hours.

**Area G: Major Common Core Curriculum (24)** A minimum grade of C is required for all courses in this area.

Econ 3900 Macroeconomics

Econ 3910 Microeconomics

Econ 4999 Senior Capstone in Economic Policy

Econ Choose five 4000-level courses (15)

**Area H: Policy/Business (6)** A minimum grade of C is required for all courses in this area.

Select two courses from the following three topic areas. Both courses cannot be taken from the same topic area, and courses may not be from the department in which the student is receiving the minor.

### Policy

Geog 4762 Economic Geography

Geog 4764 Urban Geography

Geog 4766 Urban Transportation Planning

Geog 4768 Metropolitan Atlanta

Geog 4776 Location Analysis

HHS 3300 Human Services Policy, Planning and Trends

PAUS 3011 Introduction of Urban Policy Studies

PAUS 3111 Urban Political Economy

PAUS 3311 The Public Policy Process

PAUS 4031 Policy Research Methods II

|           |                                 |
|-----------|---------------------------------|
| PolS 3110 | State Government                |
| PolS 3400 | International Politics          |
| PolS 3750 | Public Policy Analysis          |
| PolS 4430 | International Political Economy |
| PolS 4450 | Foreign Policy Decision Making  |
| SW 3930   | Social Welfare Policy           |

**Math/Business**

|           |                                |
|-----------|--------------------------------|
| Math 3260 | Differential Equations         |
| Math 3435 | Introductory Linear Algebra    |
| Math 4211 | Optimization                   |
| Math 4265 | Partial Differential Equations |
| Math 4435 | Linear Algebra                 |
| Math 4751 | Mathematical Statistics I      |
| Math 4752 | Mathematical Statistics II     |
| Acct      | Any 3000/4000 course           |
| CIS       | Any 3000/4000 course           |
| Fi        | Any 3000/4000 course           |
| MGS       | Any 3000/4000 course           |
| Mk        | Any 3000/4000 course           |
| RMI       | Any 3000/4000 course           |

**Skills**

|           |                                         |
|-----------|-----------------------------------------|
| Engl 3130 | Business Writing                        |
| Lgls 3020 | Introduction to the Law                 |
| Lgls 4050 | Principles of Business Law              |
| Psyc 3560 | Leadership and Group Dynamics           |
| Spch 3010 | Advanced Public Speaking                |
| Spch 3210 | Business and Professional Communication |

**Area I: Minor (15)** Courses selected must total nine semester hours and must be at the 3000/4000 level.

A grade of C or higher is required in all minor courses. Each student will select a minor consisting of 15 semester hours, in one department/school/institute other than the major.

**Area J: Electives (15)** Courses selected must total six semester hours and must be at the 3000/4000 level.

Elective courses to complement the major are selected in consultation with the faculty adviser.

**Total Semester Hours for Degree: 120**

**Concentration in Social Studies Education**

The Social Studies Education Concentration in Economics is designed for students who wish to become secondary school teachers. This degree provides the initial content area preparation for the Alternative MED Program in Social Studies Education in the College of Education at Georgia State or a similar master's degree at another university. Completion of this degree will also result in a "Certificate in Pre-Education Broad Field Social Sciences" being awarded to the student. For teacher certification, the student must also complete the MED program or a similar master's degree at another university.

The Social Studies Education Concentration in Economics is designed to provide students with the content area preparation required for teaching economics and other social studies courses at the middle and high school levels. Students pursuing this concentration must take 21 hours in economics and must also choose three allied fields from the following departments, taking nine hours in each (for a total of 27 hours in allied fields): African-American studies, geography, history, political science, and only one of the behavioral science departments of sociology, anthropology, or psychology.

**Area G: Major Courses (21):** A grade of C or higher is required in all major courses.

|                                                          |                                 |
|----------------------------------------------------------|---------------------------------|
| Econ 3900                                                | Intermediate Macroeconomics (3) |
| Econ 3910                                                | Intermediate Microeconomics (3) |
| Select five additional 4000 level economics courses (15) |                                 |

**Area H: Allied Fields (27):** The student must take a total of 27 hours in three allied fields (nine hours in each field). The allied fields are political science, geography, history, or behavioral science. The behavioral science field consists



of nine hours from *either* anthropology, psychology, or sociology. The student should see each department's list for the courses to be taken in the nine hours for that discipline.

**Area I: Electives (12):** Twelve hours (four courses) at the 3000/4000 level selected in consultation with the faculty adviser.

**Total Semester Hours for Degree: 120**

**Economics as an Allied Field.** If a student chooses economics as one of their three allied fields, nine hours (three courses) must be chosen from the courses below:

Select three courses from the following two lists. At least one course must be taken from each list.

Macroeconomics & Policy: (These courses have Econ 2105 as a prerequisite.)

|           |                           |
|-----------|---------------------------|
| Econ 3900 | Macroeconomics            |
| Econ 4500 | Money and Credit          |
| Econ 4600 | Economic Development      |
| Econ 4700 | Economics of the Internet |
| Econ 4810 | International Economics   |

Microeconomics & Policy: (These courses have Econ 2106 as a prerequisite.)

|           |                                                              |
|-----------|--------------------------------------------------------------|
| Econ 3910 | Microeconomics                                               |
| Econ 4210 | Health Economics                                             |
| Econ 4220 | Environmental Economics and Policy                           |
| Econ 4230 | Experimental Economics                                       |
| Econ 4300 | Economics of Cities                                          |
| Econ 4350 | Economics of Poverty and Public Policy                       |
| Econ 4400 | Public Sector Economics                                      |
| Econ 4470 | Industrial Organizations: Regulation and Antitrust Economics |
| Econ 4800 | International Trade                                          |
| Econ 4960 | Economics of Work and Pay                                    |
| Econ 3000 | Economics for Life *                                         |

## 2120 International Economics and Modern Languages

### Program Admission

There are no admission requirements above the requirements for admission to the University for enrollment in the B. A. program with a major in international economics and modern languages.

### Program Financial Information

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

### Program Degree Requirements

For degree credit, a minimum grade of C must be attained in ENGL 1101 and 1102 and all courses in the economics common core curriculum and modern languages core curriculum.

## 2120.10 Bachelor of Arts Major in International Economics and Modern Languages

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the "University Degree Requirements and Graduation" chapter of this catalog. The number of semester hours credit required for each section is shown in parentheses.

**Area A:** Essential Skills (9)

**Area B:** Institutional Options (4)

**Area C:** Humanities and Fine Arts (6)

**Area D:** Math, Technology and Science (11)**Area E:** Social Science (12)**Area F:** Courses Appropriate to the Major (18)

Econ 2105 Principles of Macroeconomics

Econ 2106 Principles of Microeconomics

Math 1070 Elementary Statistics – If taken in Area D, a 1000/2000 level elective from Areas A-E may be substituted.

Choose one of the following three language options:

Fren 2001 Intermediate French I

Fren 2002 Intermediate French II

or

GRMN 2001 Intermediate German I

GRMN 2002 Intermediate German II

or

Span 2001 Intermediate Spanish I

Span 2002 Intermediate Spanish II

Note: Students who have not already attained elementary-level proficiency in their chosen language will be required to take prerequisite courses: Fren, Germ, or Span 1001 and/or 1002. In that case, the 1002 language course may be used to satisfy 3 credit hours of core requirements in Area C, *Humanities and Fine Arts*. Students with a concentration in Spanish must complete Span 2203/2501 as their Area F elective.

Students who have already attained intermediate-level competency in the primary language may substitute 1000/2000 level courses in another language for Fren, Germ or SPAN 2001/2002 (or SPAN 2203 or Span 2501) upon approval of the Department of Modern and Classical Languages advisor.

Elective: one 1000/2000 level course chosen from Areas A-E.

**Area G:** Economics Common Core Curriculum (24) A minimum grade of C is required for all courses in this area.

Econ 3900 Macroeconomics

Econ 3910 Microeconomics

Econ 4600 Economic Development

Econ 4800 International Trade

Econ 4810 International Finance

Choose 3 elective 4000-level Econ courses (9)

**Area H:** Modern Languages Common Core (24) A minimum grade of C is required for all courses in this area.

French:

Fren 3013 Intensive Grammar Review

Fren 3023 Advanced Conversation and Composition

Fren 3033 Introduction to Analysis of Literary Texts

Fren 4033 French for International Business I

Fren 4043 French for International Business II

Fren 4053 Advanced Grammar and Translation

Fren 4123 Contemporary France

Choose 1 elective Fren 3000/4000 course (3)

or

German:

GRMN 3301 Advanced German I

GRMN 3302 Advanced German II

GRMN 3311 Introduction to Reading German Literature

GRMN 3312 Introduction to Reading German Literature

GRMN 4431 German for International Business I

GRMN 4432 German for International Business II

Choose 2 of the following 3 courses (6)

GRMN 4402 Advanced Grammar

GRMN 4422 Contemporary German

GRMN 4435 Techniques of Translation

or

Spanish:

|                                             |                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------|
| Span 3303                                   | Advanced Grammar or Span 3501 Advanced Spanish for Heritage Speakers                |
| Span 3307                                   | Introduction to Study of Literary Texts                                             |
| Span 3309                                   | Spanish Culture and Civilization or Span 3311 Latin American Culture & Civilization |
| Span 4405                                   | Spanish for International Business I                                                |
| Span 4407                                   | Spanish for International Business II                                               |
| Span 4409                                   | Techniques for Translation                                                          |
| Choose two other Span 3000/4000 courses (6) |                                                                                     |

**Area I:** Electives (12) Choose any four 3000/4000 level courses, in consultation with the faculty advisor.

Total Semester Hours for Degree: 120

## 2110.14 Certificates in Economics

**Certificates:** The Department of Economics offers a certificate to students, which indicates that they have successfully completed (with a minimum grade of C) a concentration of economics courses in a specialty area. These certificates are conferred by the department and will not appear on official transcripts or diplomas from the university. Certificates are available to majors and non-majors.

Certificates are available in the following areas:

Analytical Economics: Econ 4930, 4950, 4230, 4750

Business Policy Analysis (choose 3 of 4 courses): Econ 4470, 4500, 4700, 4950

Development Economics (choose 3 of 4 courses): Econ 4600, 3610, 3620, 2100

Economic History: Econ 4080, 4680, and choose one 4000-level Economics Elective

The Economics of Urban Growth and the Quality of the Environment (choose 3 of 4 courses): Econ 4220, 4300, 4400, 4600

Human Resource Economics (choose 3 of 4 courses): Econ 4960, 4210, 4350, 4300

International Economics (choose 3 of 4 courses): Econ 4600, 4800, 4810, 2100

Law and Economics: 4450, 4470, and choose one of the following: Econ 4220, 4400, 4080, 4960

Public Policy (choose 3 of 4 courses): Econ 4350, 4220, 4400, 4470

For more information about certificates of concentration visit this website:

<http://aysps.gsu.edu/econ/courses/concentrations.htm>

## 2130 Public Policy

### Program Admission

There are no admission requirements above the requirements for admission to the University for enrollment in the B. S. program with a major in public policy.

### Program Financial Information

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

### Program Degree Requirements

For degree credit, a minimum grade of C must be attained in ENGL 1101 and 1102 and all courses in the major common core curriculum and electives.

## 2130.10 Bachelor of Science Major in Public Policy

The essence of a public policy degree is to educate students to be able to provide valuable advice to governments – federal, state and local; domestic and foreign – on choosing, implementing, and evaluating policy. While many disciplines in the arts and sciences contribute knowledge that is useful to public policy, no single discipline, whether economics, political science, sociology, or the natural sciences, will give students the ability to synthesize information and knowledge from across the disciplines to formulate comprehensive analyses of existing or proposed public policies, and to be able to present these analyses to decision-makers.

Although programs in public administration have existed since the early twentieth-century, there has been a more recent increased demand for analysts who can contribute to the formulation and evaluation of policy, as well as its administration and management.

The BSPP allows students to study a wide variety of policy areas through different departments, and so develop an understanding of the interdisciplinary nature of public policy. The degree gives students the freedom to work in a variety of policy areas through their elective courses. The underpinning for the study of policy areas is a common core of courses which provides students with an understanding of:

- The environment and the processes in which public policy is proposed, formed, and implemented;
- How the economy works, how we evaluate the outcomes of the market economy, how people and firms respond to incentives;
- The goals and tools of public policy;
- The quantitative and qualitative methods useful in the design and evaluation of policy;
- The means by which we evaluate and recommend policy.

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the “University Degree Requirements and Graduation” chapter of this catalog. The number of semester hours credit required for each section is shown in parentheses.

**Area A: Essential Skills (9)**

**Area B: Institutional Options (4)**

**Area C: Humanities and Fine Arts (6)**

**Area D: Math, Technology and Science (11)**

**Area E: Social Science (12)**

**Area F: Courses Appropriate to the Major (18)**

|            |                                                                                                                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Econ 2105  | Principles of Macroeconomics (3)                                                                                                                                                                                           |
| Econ 2106  | Principles of Microeconomics (3)                                                                                                                                                                                           |
| Soci 1101  | Introductory Sociology (3)                                                                                                                                                                                                 |
| Psyc 1101  | Introduction to Psychology (3)                                                                                                                                                                                             |
| Electives: | Two three-hour courses chosen from the 1000-2000 level offerings of the College of Arts and Sciences, Robinson College of Business, College of Education (with restrictions), or the Andrew Young School of Policy Studies |

**Area G: Major Common Core Curriculum (18): C or better grade is required**

|           |                                           |
|-----------|-------------------------------------------|
| PAUS 3311 | The Public Policy Process                 |
| PAUS 4031 | Policy Research Methods II                |
| PAUS 4061 | Microeconomics for Public Policy          |
| PAUS 4071 | Advanced Methods for Policy Research      |
| PAUS 4091 | Workshop on Public Policy                 |
| PAUS 4601 | Leadership, Citizenship and Public Ethics |

**Area H: Electives (21)**

Students will choose a total of 21 hours from Lists I and II. **A C or better grade is required.** At least 9 hours must be from List I (policy courses offered in the School of Policy Studies):

**List I (Policy Courses in the School of Policy Studies): at least 9 hours**

|           |                                      |
|-----------|--------------------------------------|
| PAUS 3411 | Contemporary Planning                |
| PAUS 3801 | Public Administration and Politics   |
| PAUS 4021 | Research Methods I                   |
| PAUS 4071 | Advanced Methods for Policy Research |
| PAUS 4301 | Local Governance                     |
| PAUS 4401 | Planning Theory and Analysis         |

|           |                                                    |
|-----------|----------------------------------------------------|
| PAUS 4451 | Economic Development Policy and Planning           |
| PAUS 4471 | Urban Infrastructure Planning and Policy           |
| PAUS 4941 | Internship                                         |
| ECON 4210 | Health Economics                                   |
| ECON 4220 | Environmental Economics and Policy                 |
| ECON 4300 | Economics of Cities                                |
| ECON 4350 | Economics of Poverty                               |
| ECON 4400 | Public Sector Economics                            |
| ECON 4470 | Industrial Organization, Regulation and Anti-Trust |
| ECON 4600 | Economic Development                               |
| ECON 4800 | International Trade                                |
| ECON 4810 | International Finance                              |
| ECON 4960 | Economics of Work and Pay                          |

**List II (Policy Courses offered by other Colleges): note that in some cases prerequisites may be required.**

|           |                                                      |
|-----------|------------------------------------------------------|
| CRJU 3310 | Corrections                                          |
| CRJU 3410 | Criminology                                          |
| CRJU 4210 | Juvenile Justice System                              |
| GEOL 4644 | Environmental Conservation                           |
| HHS 3300  | Health Policy, Planning and Trends                   |
| PHIL 4700 | Ethics                                               |
| POLS 3140 | Judicial Process and Courts                          |
| POLS 3450 | United States Foreign Policy                         |
| POLS 4131 | Civil Liberties and Rights                           |
| POLS 4242 | European Union: Politics, Economy and Foreign Policy |
| POLS 4460 | U.S. National Security Policy                        |
| SOCI 3232 | Poverty and Welfare                                  |
| SOCI 4110 | Aging Policy and Services                            |
| SOCI 4310 | Issues in the African-American Community             |

**Area I: Approved Electives (21 hours)**

Students make course selection with advisor approval. Note students must meet with their advisors to select courses appropriate to the student's goals.

**Total Semester Hours for Degree: 120**

## **2130 Urban Policy Studies**

### **Program Admission**

There are no admission requirements above the requirements for admission to the University for enrollment in the B. S. program with a major in urban policy studies.

### **Program Financial Information**

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

### **Program Degree Requirements**

For degree credit, a minimum grade of C must be attained in ENGL 1101 and 1102 and all courses in the major core curriculum and specializations.

## **2130.10 Bachelor of Science Major in Urban Policy Studies**

The interdisciplinary undergraduate urban policy studies program provides students with both a general background in urban policy studies and the specialized knowledge necessary for professional positions in a variety of related fields. The



general background is obtained from completing a common core curriculum that is required of all students. This curriculum examines the functioning of cities and suburbs, the roles of the public, private, and nonprofit sectors in this functioning, and the special importance of public policy in linking these sectors in metropolitan areas.

Choice of a specialization beyond the core curriculum permits the student to develop additional skills appropriate for professional positions in a particular field. Students are also encouraged to undertake field instruction and action research, with public, private, and nonprofit agencies in the Atlanta area offering ample opportunities for applied learning experiences. Many opportunities are available through the various research centers and community outreach efforts of the Andrew Young School of Policy Studies. These opportunities enhance the education students receive and often open doors to attractive jobs.

**Career Opportunities:** Graduates of the urban policy studies program work as planners, economic development specialists, public policy analysts, pilots, and managers of aviation or transportation agencies, to name just a few of the positions. The choice of such public service careers, whether in the public, nonprofit, or private sector, offers many rewards, including a sense of purpose in attempting to enhance the quality of life for individuals and society. The degree in urban policy studies also provides excellent preparation for master's and doctoral work in a number of disciplines, with many program graduates having achieved advanced degrees at Georgia State and at other prestigious universities around the country.

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the "University Degree Requirements and Graduation" chapter of this catalog. The number of semester hours credit required for each section is shown in parentheses.

#### **Area A: Essential Skills (9)**

#### **Area B: Institutional Options (4)**

#### **Area C: Humanities and Fine Arts (6)**

#### **Area D: Math, Technology and Science (11)**

#### **Area E: Social Science (12)**

#### **Area F: Courses Appropriate to the Major (18)**

Econ 2105 Principles of Macroeconomics (3)

Econ 2106 Principles of Microeconomics (3)

Soci 1101 Introductory Sociology (3)

Psyc 1101 Introduction to Psychology (3)

Electives: Two three-hour courses chosen from the 1000-2000 level offerings of the College of Arts and Sciences, Robinson College of Business, College of Education (with restrictions), or the Andrew Young School of Policy Studies

#### **Area G: Major Common Core Curriculum (18): C or better grade is required**

PAUS 3011 Introducing the City

PAUS 3111 Urban Political Economy

PAUS 3311 The Public Policy Process

PAUS 4021 Policy Research Methods I

PAUS 4031 Policy Research Methods II

PAUS Choose one 3000 or 4000 level course (3)

#### **Area H: Specializations**

**Local Government Management (21):** The local government management specialization is designed for students preparing for entry-level administrative positions in local government or government-related agencies. The curriculum builds upon the urban studies core, providing a broad overview of local government structure and function. Emphasis is placed on the development of a general knowledge of local government as a foundation for a public sector career or greater specialization in a professional graduate program, such as the Master of Public Administration degree.

Required courses (15): C or better grade is required

PAUS 3411 Contemporary Planning

PAUS 3801 Public Administration and Politics

PAUS 4061 Microeconomics for Public Policy

PAUS 4301 Local Governance

PAUS 4941 Internship

Select two courses from the following (6): C or better grade is required

|           |                                                                             |
|-----------|-----------------------------------------------------------------------------|
| Econ 4300 | Economics of Cities                                                         |
| Lgls 3020 | Introduction to the Law                                                     |
| Pols 4115 | Urban Politics                                                              |
| PAUS 3831 | Government Budgeting                                                        |
| PAUS 4211 | Issues and Problems in Management Systems for Public and Nonprofit Agencies |
| PAUS 4451 | Economic Development Policy and Planning                                    |

**Area I: Approved Electives (21):** Students make course selections with adviser approval.

### **Total Semester Hours for Degree: 120**

**Planning and Economic Development (21):** The planning and economic development specialization prepares students to work in both the public and private sectors addressing issues facing urban communities. This specialization is appropriate for students who want to pursue careers or further study in the planning, development and management of communities. Courses introduce students to forces shaping the development of urban regions. Special attention is paid to planning for economic development, environmental quality, housing, land use, neighborhood revitalization, and transportation.

During their studies, students learn about the variety of policies and strategies that citizens and planners can use to influence development. Students may complete a planning internship for course credit.

Required courses (15): C or better grade is required

|           |                                          |
|-----------|------------------------------------------|
| PAUS 3411 | Contemporary Planning                    |
| PAUS 4061 | Microeconomics for Public Policy         |
| PAUS 4301 | Local Governance                         |
| PAUS 4401 | Planning Theory and Analysis             |
| PAUS 4451 | Economic Development Policy and Planning |

Choose two courses from the following (6): C or better grade is required

|           |                                            |
|-----------|--------------------------------------------|
| Econ 4220 | Environmental Economics and Policy         |
| Econ 4300 | Economics of Cities                        |
| Econ 4400 | Public Sector Economics                    |
| Econ 4600 | Economic Development                       |
| Geog 4766 | Urban Transportation Planning              |
| PAUS 4071 | Advanced Methods for Policy Research       |
| PAUS 4461 | Planning Workshop                          |
| PAUS 4601 | Leadership, Citizenship, and Public Ethics |
| PAUS 4941 | Internship                                 |
| RE 4950   | Urban Development Regulations              |

**Area I: Approved Electives (21):** Students make course selections with adviser approval.

### **Total Semester Hours for Degree: 120**

**Public and Nonprofit Human Resource Policy (18):** This specialization prepares students for professional careers in the growing and dynamic field of human resources. This specialization is appropriate for students who wish to work in areas such as staffing and recruitment, compensation and benefits, employee relations, management and employee development, and/or career development, among others. Courses provide students with an overview of the human resources field as well as current workplace issues and trends that impact and are impacted by human resource practices and policies. A key element of this specialization is the internship or practicum, whereby students apply course content in an organizational setting.

Required courses (18 hours): C or better grade is required

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| PAUS 3211              | Career Development in Public and Nonprofit Organizations                            |
| PAUS 3611              | Introduction to Human Resource Development in Public and Nonprofit Organizations    |
| PAUS 4081              | Evaluation Research                                                                 |
| PAUS 4211              | Issues and Problems in Management Systems for Public and Nonprofit Agencies         |
| PAUS 4261              | Organizational Contexts of Public and Nonprofit Personnel Policy and Administration |
| PAUS 4941 OR PAUS 4981 | Internship OR Practicum                                                             |

**Area I: Approved Electives (24):** Students make course selections with adviser approval. All courses must be at the 3000 or 4000 level and should be based on students' career interests and plans.

**Total Semester Hours for Degree: 120**

**Public Policy (21):** Students who pursue the public policy specialization may go on to positions as governmental policy analysts, journalists, public affairs specialists in private businesses, or any of a number of other positions involved with public policy and public affairs. This specialization also provides excellent preparation for subsequent graduate study in law, public policy, public administration, and related fields.

The specialization requires seven courses to be chosen from relevant policy offerings in Public Administration and Urban Studies and Economics. (With prior approval of the faculty adviser, policy-related courses from other departments may be substituted.) Students are encouraged to choose courses that permit further specialization in particular areas of public policy.

Required courses (9): C or better grade is required

- PAUS 4061 Microeconomics for Public Policy
- PAUS 4091 Workshop on Public Policy
- PAUS 4601 Leadership, Citizenship, and Public Ethics

Select two courses from the following (6):

- PAUS 3411 Contemporary Planning
- PAUS 3801 Public Administration and Politics
- PAUS 4081 Evaluation Research
- PAUS 4301 Local Governance
- PAUS 4451 Economic Development Policy and Planning
- PAUS 4651 Education Policy

Select two courses from the following (6): C or better grade is required

- Econ 4210 Health Economics
- Econ 4220 Environmental Economics and Policy
- Econ 4300 Economics of Cities
- Econ 4350 Economics of Poverty and Public Policy
- Econ 4400 Public Sector Economics
- Econ 4800 International Trade
- Econ 4810 International Finance

**Area I: Approved Electives (21)** Students make course selections with adviser approval.

**Total Semester Hours for Degree - 120**

## 2140 Graduate Programs in the Andrew Young School of Policy Studies

The Andrew Young School of Policy Studies offers advanced studies and research leading to the following degree programs:

**The Graduate Certificate in:**

- Disaster Management
- Nonprofit Management
- Planning and Economic Development

**The Master of Arts in Economics**

**The Master of Arts in Economics, Policy Track**

**The Master of Public Administration** with career tracks in:

- Criminal Justice
- Management and Finance
- Nonprofit Management
- Planning and Economic Development
- Policy Analysis and Evaluation
- Public Health

**The Master of Public Administration/Juris Doctor**

**The Master of Science in Urban Policy Studies** with career tracks in:

- Nonprofit and Civic Leadership
- Planning and Economic Development
- Policy Analysis
- Social Policy

**The Doctor of Philosophy in Economics** with elective fields in:

- Environmental Economics
- Labor Economics
- Public Finance
- Urban and Regional Economics

**The Doctor of Philosophy in Public Policy** joint degree program with the Georgia Institute of Technology with elective fields in:

- Environmental Policy
- Health Policy
- Policy Design, Analysis and Evaluation
- Public and Nonprofit Management
- Public Finance
- Science and Technology Policy
- Urban and Regional Economic Development

# 3000 College of Arts and Sciences

## 3010 General Information

The College of Arts and Sciences consists of 23 departments/schools/institutes within the areas of the fine arts, the humanities, the natural and computational sciences, and the social and behavioral sciences. The college has approximately 10,000 undergraduate students and 2,000 graduate students. The college also has the primary responsibility for the two-year general education curriculum required of all students in the university.

The liberal arts education offered by the College of Arts and Sciences prepares students for professional careers and provides them with the foundation for lifelong learning, enabling them to meet the challenges of career development. Programs in the liberal arts promote the independent discovery of knowledge, an appreciation of the arts, and the ability to think critically and analytically.

On the undergraduate level, the College of Arts and Sciences offers the Bachelor of Arts, the Bachelor of Science, the Bachelor of Interdisciplinary Studies, the Bachelor of Music, and the Bachelor of Fine Arts degrees. The requirements for these degrees build directly upon the broad educational foundation provided by the core curriculum.

Within the framework of the various degree offerings, specific programs have been designed for students who wish to pursue a career in teaching. These teacher education programs provide for a major concentration within a special field of knowledge suitable for teaching at the various school levels. The programs prepare a student to meet the certification requirements of the Professional Standards Commission of the State of Georgia.

The College of Arts and Sciences, through its Division of Graduate Studies, offers graduate degrees and programs in numerous fields. A list of the degrees and areas is shown at the end of this chapter (section 3560). The university publishes a graduate catalog that includes complete descriptions of all of the graduate programs offered at Georgia State University (available online through the Office of the Registrar website: [http://www.gsu.edu/es/office\\_of\\_the\\_registrar.html](http://www.gsu.edu/es/office_of_the_registrar.html).)

### Office of the Dean

741 General Classroom Building  
404/651-2294

<http://www.cas.gsu.edu>

Lauren B. Adamson, Dean

Charles D. Derby, Associate Dean for the Natural and Computational Sciences

Ralph Gilbert, Associate Dean for the Fine Arts

William H. Nelson, Associate Dean for Research and Graduate Studies

MaryAnn Ronski, Associate Dean for the Social and Behavioral Sciences

Carol Winkler, Associate Dean for the Humanities

### Accreditation

In the College of Arts and Sciences, the School of Art and Design is accredited by the National Association of Schools of Art and Design, the School of Music by the National Association of Schools of Music, the Department of Chemistry by the American Chemical Society, the Heritage Preservation Program in the Department of History by the National Council for Preservation Education, the programs in secondary education by the National Council for Accreditation of Teacher Education, and the graduate program in psychology by the American Psychological Association.

### Degrees Offered

Undergraduate and/or graduate degree programs are offered through the Departments of African-American Studies, Anthropology, Applied Linguistics and English as a Second Language, Biology, Chemistry, Communication, Computer Science, English, Geosciences, History, Mathematics and Statistics, Modern and Classical Languages, Philosophy, Physics and Astronomy, Political Science, Psychology, Religious Studies, and Sociology; the Schools of Art and Design and Music; and the Gerontology, Middle East, and Women's Studies Institutes.

In addition, undergraduate degree programs in secondary education for teachers of mathematics, and preschool through twelfth grade in art, foreign languages, and music are offered through the College of Arts and Sciences. For application procedures and eligibility requirements, please refer to the "Teacher Preparation Programs" chapter of this catalog.

**Bachelor of Arts (B.A.)**

African-American Studies, Anthropology, Art, English, Film and Video, French, Geography, German, History, Journalism, Philosophy, Political Science, Psychology, Religious Studies, Sociology, Spanish, Speech, Women's Studies

**Bachelor of Science (B.S.)**

Astronomy, Biology, Chemistry, Computer Science, Geology, Mathematics and Statistics, Music Management, Physics, Psychology

**Bachelor of Fine Arts (B.F.A.)**

Art Education, Studio Art

**Bachelor of Music (B.Mu.)**

Music

**Bachelor of Interdisciplinary Studies (B.I.S.)**

Arts Administration–Speech/Theatre, Asian Studies, Classical Studies, Community Studies, Environmental Science, International Studies, Language Studies, Law and Society, Middle East Studies, Theatre, Student-Planned. See section 3030.50 below.

**3010.10 Academic Resources and Services****Cartography Production Laboratory**

340 Kell Hall

404/651-2272

<http://www2.gsu.edu/~wwwgeo/>

The Cartography Production Laboratory, located in the Department of Geosciences, offers mapping and graphic services for the university community. Students have the opportunity to design and produce cartographic materials as an extension of the educational program in cartography offered by the Department of Geosciences. In addition to the Cartography Production Laboratory, the department maintains a Geographic Information Systems facility offering GIS services for the university.

**The Cooperative Learning Laboratory**

120 Kell Hall

404/651-3365

<http://www.gsu.edu/~wwwclcl/>

The Cooperative Learning Laboratory provides free instructional support in mathematics. An open-access computer lab contains software that complements course offerings. Additionally, a tutorial clearinghouse provides assistance to students interested in becoming tutors or seeking to hire tutors.

**Digital Arts and Entertainment Laboratory/Video Equipment Lab**

First floor, One Park Place South

404/651-3312

<http://www2.gsu.edu/~wwwwfv/>

The Department of Communication's DAEL (Digital Arts and Entertainment Lab) Undergraduate Equipment Lab provides access to a wide range of multimedia digital and video production and editing equipment, for use by faculty and students in courses. Student use of the equipment and facilities is restricted to class assignments during the semester in which they are enrolled in an authorized production course. For general student multimedia, video and audio needs, one should use the Digital Aquarium which is paid for by students' Tech Fee.

**James M. Cox, Jr. Multi-Media Instructional Lab and Satellite Downlink Facility**

307 Classroom South Building

404/651-3200

The Department of Communication's James M. Cox, Jr., Multi-Media Instructional Lab provides access to a computer-networked facility with 22 workstations. News writing and desktop publishing courses are enhanced through the use of interactive communication between instructors and students. A satellite downlink transmits CNN NewsSource and other national and international video feeds to students who write, edit, and package their own news stories.



## **Language Acquisition and Resource Center**

128 General Classroom Building  
404/651-2746

The Language Acquisition and Resource Center (LARC) promotes the development of the student's foreign language skills and provides added cultural and literary knowledge. The LARC offers a wide range of multimedia and audiovisual materials, including an international video collection, 50-station digital language computer lab, the most up-to-date instructional computer software available, and many other resources. A tutorial support program for students in elementary and intermediate language courses is also available.

## **Mathematics Assistance Complex**

122 Kell Hall  
404/651-3365  
<http://www.gsu.edu/~wwwcl/mathlab.htm>

The Mathematics Assistance Complex supports undergraduate instruction programs by providing tutorial assistance to students who are taking lower-division courses in mathematics and statistics in the Department of Mathematics and Statistics.

## **The Mathematics Interactive Learning Environment**

301 Urban Life Building  
404/463-2780

The Mathematics Interactive Learning Environment (The MILE) is designed to support and promote the development of the undergraduate student's mathematics skill and knowledge by accommodating diverse student learning styles and building student confidence and success in early mathematics courses. The MILE provides student-centered, computer-assisted, self-paced tutorials that include streaming video lectures, tutorial exercises and "just-in-time" assistance by faculty, graduate and undergraduate assistants.

## **Military Science Leadership Lab**

The Leadership Lab is located in the Courtland Building on the second floor. It consists of a five-station computer lab that runs the U.S. Army Enhanced Skills Training Program (ESTP). The lab is also used with several automated classes offered by the U.S. Army.

## **Music Media Center**

400 Haas Howell Building

The School of Music's Music Media Center provides students with a valuable resource for music study through the use of the Bobbie Bailey Technology Classroom, consisting of 18 workstations that facilitate the art of music composition, a multi-media seminar room, and the Charles Thomas Wurm Circulation area with access to 16 listening-keyboard computer workstations.

## **Visual Resource Center**

258 Art and Humanities Building  
404/651-0492

The Welch School of Art and Design's Visual Resource Center has a large collection of art and architecture slides covering all phases of art history. The collection is used extensively for instruction and learning by university faculty and students as well as visual arts professionals throughout the region. The school has recently acquired ArtStor, a database of over 300,000 images of the history of art. This addition will be a valuable resource for the School of Art and Design.

## **Writing Studio**

976 General Classroom Building  
<http://www.writingstudio.gsu.edu/>  
404/651-2906

The Writing Studio offers space for conversation, coffee, and writers, by creating a welcoming community for undergraduate and graduate students to practice the art of writing. Its purpose is to enhance the writing instruction that happens in academic classrooms by pairing writers with an experienced Reader. Readers, Graduate Assistants in the departments of English and Applied Linguistics/ESL, engage student writers in talk about their writing assignments and ideas, and familiarize them with

audience expectations and academic genre conventions. We focus on invention (coming up with ideas), drafting (expanding ideas and supporting arguments), and arrangement (figuring out the best structure and organization for a text). Readers focus on the rhetorical aspects of the student text, and provide one-on-one, student-centered teaching of works-in-progress. The Writing Studio does not provide editorial or proofreading services. Readers will not write on student papers or in any way “correct” a student text. Readers can also provide coaching for the Regents’ Essay Exam, and students may work on course assignments or application materials for graduate and professional programs and scholarships. The Writing Studio is open only to currently enrolled students and recent alumni. The Studio is open the second week of each semester and closes the last Thursday before the end of classes. The Studio is closed between terms and for all university holidays. Students are welcome to drop in without appointments. More information is located on the website.

## **3020 College Academic Regulations**

The requirements for entrance into Georgia State University are found in the section of this catalog devoted to undergraduate admissions. A transfer student must comply with all academic regulations of the university. The College of Arts and Sciences reserves the right to validate by examination any credits accepted by transfer. This provision in no way affects the acceptance of courses used to satisfy core curriculum requirements at another unit of the University System of Georgia.

Students holding a baccalaureate degree from an accredited college or university who wish to complete another undergraduate degree are urged to clear all requirements with an advisor in the Office of Academic Assistance.

### **Grades of C in Major/Minor**

Grades in the major and minor require a grade of C or higher. Certain departments/schools/institutes may also require a grade of C or higher in their introductory courses.

### **Credit by Examination**

A maximum of 18 semester hours of degree credit may be granted before or after matriculation to a student who receives satisfactory scores on certain subject examinations of the College Level Examination Program of the College Entrance Examination Board. The student should consult the appropriate department or school or the Office of Academic Assistance for further information.

A maximum of 18 hours, but not more than 6 hours from one department or school, may be granted to entering freshmen who achieve satisfactory scores on the Advanced Placement Program of the CEEB. Credit awarded by examination by the academic departments within the College of Arts and Sciences does not apply toward the academic residence requirement.

### **Credit for Transient Work**

Arts and Sciences students who wish to take course work at another institution, whether as a full-time or as a part-time student, must have prior written approval from the Office of Academic Assistance if they wish to apply the credit hours to a degree program. Failure to obtain the required prior approval will prevent the acceptance of such credits. Approval will be granted for no more than two terms of work and only if the student is in good academic standing at Georgia State University. No approval of requests to take courses in Atlanta-area colleges will be granted if the course is readily available from Georgia State offerings. During the term in which the student is scheduled to graduate, all courses must be taken at Georgia State unless prior written approval has been obtained from the Office of Academic Assistance. The acceptance and application of all course work taken as a transient student is subject to any limitations imposed by the student’s major department, school, or program of study.

Please consult the “Academic Regulations” section of this catalog for further clarification in regard to transient credit.

### **Credit for Veteran’s Service**

University students who are veterans of any service, active, reserve, or National Guard, or who have attended a service academy, may receive advanced placement in the Department of Military Science and Leadership (ROTC).

### **Course 4999 - Directed Readings**

Course 4999, Directed Readings, in any department/school/institute that offers a major in the College of Arts and Sciences is designed to assist seniors who are within two terms of graduation and who have curriculum difficulties in fulfilling the requirements necessary for graduation. One to four credit hours may be earned. The supervising professor, the departmental chair/school director, and the dean of the college must approve registration for the course. Forms for Course 4999 must be completed at the time of regular registration for the term in which the credit is to be earned and can be obtained through department/school offices or the college’s Office of Academic Assistance.

## Undergraduate and Postbaccalaureate Admission into a Graduate Course

Under certain conditions, an undergraduate or postbaccalaureate student may be admitted into a graduate course. The dean's office of the college will determine a student's eligibility for admission into a graduate course.

To be eligible, an undergraduate student generally must have a cumulative grade-point average of 3.5 or higher and be within 18 semester hours of graduation; a postbaccalaureate student generally must have a cumulative grade-point average of 3.5 or higher in his or her undergraduate work as well as any graduate work taken at this or any other institution.

Eligibility does not guarantee admission into a course. Once a student's eligibility is determined, admission must be approved by the instructor for the course, the department's/school's director of graduate studies, the chair/director of the department/school offering the course, and the graduate director of the College of Arts and Sciences.

## 3030 College Degree Requirements

### 3030.10 Foreign Language Requirement for B.A./B.I.S. Majors

The College of Arts and Sciences requires the completion of a foreign language at the 1002 level for all students seeking a Bachelor of Arts degree or a Bachelor of Interdisciplinary Studies degree. This requirement can be met by taking a course numbered 1002 or higher.

The foreign language requirement for students enrolled in the Bachelor of Arts and the Bachelor of Interdisciplinary Studies programs is most commonly included in core curriculum Area F (Courses Appropriate to the Major); however, programs may also require students to complete foreign language courses in Area G, the 60 semester hours beyond the core curriculum. Students transferring to Georgia State with a completed core curriculum Area F, yet without sufficient course work to meet a program's foreign language requirement, will be required to fulfill the necessary courses in the second 60 semester hours. Students who take a language course in Area C and subsequently declare a major in a program leading to a Bachelor of Arts and the Bachelor of Interdisciplinary Studies will find that the language course no longer counts in Area C but in Area F or Area G. For this reason, the college recommends that students in the Bachelor of Arts and the Bachelor of Interdisciplinary Studies programs not include a foreign language course in core curriculum Area C (Fine Arts and Humanities).

Students who would like to begin a new foreign language, or to take a second foreign language, should consult a program adviser concerning the possibility of earning credit for the first semester of elementary foreign language (1001) in either core curriculum Area F or in the second 60 hours.

### 3030.20 B.A. in French, German, or Spanish and M.I.B. Joint Degree Program

Highly qualified and highly motivated students interested in languages and international business may apply for this joint-degree program that leads to an undergraduate degree in French, German, or Spanish and a Master of International Business. It is a demanding program that combines classroom study in the chosen second language with the international business curriculum. There will be at least one mandatory internship abroad in the final year, with a second strongly recommended study or work experience abroad, usually during the third or fourth year. Completion of the program in five years will mean that students must be willing to attend classes in the summer, as necessary. For further information please contact: Department of Modern and Classical Languages, 841 General Classroom Building, 404/651-2265, e-mail: [mcinfo@gsu.edu](mailto:mcinfo@gsu.edu).

For students interested in Japanese, the Bachelor of Interdisciplinary Studies in Japanese/Asian Studies can also be combined with the MIB in the Joint Degree Program. For more information, contact Yuki Takatori, 404/651-2265 or [mclyyt@langate.gsu.edu](mailto:mclyyt@langate.gsu.edu).

### 3030.30 Bachelor of Interdisciplinary Studies

The Bachelor of Interdisciplinary Studies degree provides educational opportunities not available through the existing, traditional degree programs. The purpose of the program is to offer students an avenue by which they may take advantage of the rich offerings available in the several colleges at the university. An individual student, in consultation with a faculty adviser, may tailor a program of study that meets his or her particular educational needs, desires, and interests.

A student can pursue either a college-planned or a student-planned interdisciplinary program. The established college-planned programs address the needs of many students interested in a multidisciplinary, non-traditional education. Existing areas of concentration include Arts Administration-Speech/Theatre, Asian Studies, Classical Studies, Community Studies, Environmental Science, International Studies, Language Studies, Law and Society, Middle East Studies, and Theatre. Students interested in developing a student-planned program have the option of choosing one of the following program plans: (1) two areas of concentration; (2) one area of concentration and two allied fields; or (3) one area of concentration, one allied field, and electives.

Information about the B.I.S. program, including program options and the application process, is available from the college's Office of Academic Assistance, 724 General Classroom Building, 404/651-2291.

## Purpose

The Bachelor of Interdisciplinary Studies degree provides educational opportunities not readily available through traditional departmental degree programs. Students have flexibility in developing a course of study appropriate to their goals by selecting courses from several departments/schools/institutes in the College of Arts and Sciences. Students may also include courses from other colleges of this university in their interdisciplinary program.

It is not the function of the interdisciplinary program to pull together an assortment of course work as a last-minute effort to facilitate a student's graduation. A proposal should be planned by the time a student has earned 42 credit hours and should reflect a logical, consistent course of study that is based on acceptable and germane student objectives.

## Program Admission

Applicants to the Bachelor of Interdisciplinary Studies program must satisfy the admission requirements for Georgia State University and, in addition, must have a Georgia State cumulative grade-point average of 2.0. Matriculation into the program can occur only after the B.I.S. Council approves a student's program of study. There is a special application procedure for this degree program and faculty advisement is a mandatory component of this process.

## Program Degree Requirements

There are two options in the Bachelor of Interdisciplinary Studies program, the student-planned option and the college-planned option. Descriptions are listed below.

### Option One: Bachelor of Interdisciplinary Studies Student-Planned Program

Students may choose the option to propose their own program of study for approval by the B.I.S. Council responsible for the oversight of the degree. Students may select their proposed courses from any college in the university, as long as at least 50 percent of the hours in the program are chosen from courses in the College of Arts and Sciences. Students should have their proposed student-planned programs reviewed by the B.I.S. Council by the time they have earned 42 hours.

To gain approval into the program, students must articulate a reasonable and educationally justifiable course of study. Proposed interdisciplinary degree programs cannot resemble current programs offered at the university. Students interested in initiating the application process must first schedule an appointment with an academic adviser in the Office of Academic Assistance (404/651-2291). Students must also select an appropriate faculty adviser to provide guidance in developing the interdisciplinary program.

### Course of Study Outline for Student-Planned Programs

#### Areas A-E: Core Curriculum (42)

All undergraduate students satisfy a common core curriculum. These requirements are printed in the "Academic Regulations" section of this catalog.

#### Area F: Courses Appropriate to the Major Field (18)

Courses in this area should be included in the program proposal. The courses selected for this area must be at the lower division level and judged to be programmatically appropriate to the intent of the proposed program. Foreign Language 1002 must be included in Area F of all student-planned programs, except for those in science.

**Area G:** Area of Concentration (similar to a traditional major area, except interdisciplinary in content).

**Area H:** Allied Field (similar to a minor, except interdisciplinary in content).

**Area J:** Electives

When developing a student-planned program, the student may choose one of the following structures:

**Program Plan Structure One:** An area of concentration (27-33 semester hours\*) with an allied field (15-21 semester hours\*) and electives (6-18 semester hours\*).

**Program Plan Structure Two:** An area of concentration (27-33 semester hours\*) with two allied fields (15-21 semester hours each\*).

**Program Plan Structure Three:** Two areas of concentration (27-33 semester hours each\*).

\* No more than 12 hours of the requirements in an area of concentration, and no more than 6 hours of the requirements in an allied field, may be taken from the offerings of any one department/school/institute in the university. Courses in the area of concentration and allied field must be at the 3000-4000 level. Also, a grade of C or higher is required in all courses in the area

of concentration and allied field. Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation. The last 27 semester hours prior to graduation must be completed while formally enrolled in the program.

### **Option Two: Bachelor of Interdisciplinary Studies College-Planned Programs**

Students may choose a program designed by the College as follows: Arts Administration–Speech/Theatre, Asian Studies, Classical Studies, Community Studies, Environmental Science, International Studies, Language Studies, Law and Society, Middle East Studies, and Theatre. For information about the college-planned programs, see the alphabetical list of majors later in this chapter of this catalog. Environmental Science has specific core curriculum requirements listed.

## **3030.40 The Interdisciplinary Minor**

The interdisciplinary minor provides educational opportunities not otherwise available and allows students the flexibility to select courses for the minor from several departments/schools/colleges at the university. Students must propose their interdisciplinary minor of 15-18 hours for approval by the Bachelor of Interdisciplinary Studies Advisory Council. A proposal must identify the way in which the minor fits into the context of the student's entire degree program. To gain approval, students must articulate a reasonable and educationally justifiable course of study and must keep in mind that this course of study may not duplicate what is currently available. Students can choose to pursue either a college-planned or a student-planned interdisciplinary minor.

The following requirements apply to the interdisciplinary minor:

1. The student must have a Georgia State University cumulative grade-point average of 2.0;
2. All courses included must be at the 3000 level or above;
3. No more than six hours may be taken in any one department or school and courses cannot be from the major area; and
4. At least 50 percent of the minor must be completed after the semester in which the B.I.S. Advisory Council approves the minor program plan.

Students should contact the Office of Academic Assistance at 404/651-2291 for information on the application procedure. Guidelines for college-planned interdisciplinary minors in Advanced Leadership and Management, Gerontology, Jewish Studies, Language Studies, Latin American Studies, and Middle East Studies are also available.

## **3040 Office of Academic Assistance**

724 General Classroom Building

404/651-2291

<http://www.cas.gsu.edu/dept/oa>

Director: Tammy Patterson-Hill

Academic Advisers: Bradford, King, Meier, Murphy

The Office of Academic Assistance supports departments and schools in providing academic advisement for students in the college. This office also works with students on career development and on marketing a liberal arts background in the current job environment. The Office of Academic Assistance prepares evaluations of transfer work done at other institutions as well as academic program reviews for each major offered through the college. It also assists with course selections and schedule revisions and provides information concerning college and university policies. Students are advised on an appointment basis, or they may come by the Academic Assistance office at any time during office hours for brief consultations. During the academic year, the office is open until 6:00 p.m. on Tuesday and Wednesday and until 5:15 p.m. on Monday, Thursday and Friday. Students seeking a degree in the College of Arts and Sciences should become familiar with the academic regulations of the university stated elsewhere in this catalog.

### **Academic Advisement for Majors**

Although the College of Arts and Sciences will endeavor to provide timely and accurate advisement, it is the responsibility of the student to know and to satisfy the degree requirements of his or her academic program.

The College of Arts and Sciences encourages its majors to receive regular academic advisement in their major departments/schools/institutes. This position reflects the belief that a strong undergraduate program is possible only if there are frequent opportunities for students to discuss their academic work and career goals with one of their major professors. In a large urban institution such as Georgia State University, contact is essential if students are to receive individual attention and enjoy the full benefits of a liberal arts education. Students should call their major department/school/institute to make advisement appointments and/or find out the department's/school's/institute's walk-in advisement schedule.



## 3050 Appeals and Petitions Procedures (See Addendum)

The appeals policies and procedures for students enrolled in courses or academic programs in the College of Arts and Sciences are available in the departmental/school and administrative offices of the college.

**Appeals of Course Grades:** The process of appealing a course grade is as follows:

1. A student should first review the situation with the instructor who assigned the grade. If the question is not resolved, the student may appeal in writing to the department chair of the instructor who assigned the grade, sending a copy of the letter to the instructor. The letter must include all points that the student considers to be germane to the appeal; additional points not contained in the initial letter cannot be considered subsequently. The written appeal must be sent to the department chair no later than the mid-point of the semester (as indicated by the last day to withdraw with a "W") immediately following the semester in which the grade was assigned. If the final grade assignment occurred at a time other than the normal grade reporting process at the end of the semester, the written appeal must be sent to the department chair within 30 calendar days of the date the final grade was assigned. Normally, the chair's decision will be conveyed to the student in writing within three weeks of the date the student's written appeal is received.
2. A student who believes that the appeal was handled in an arbitrary, capricious, or discriminatory manner at the departmental level may appeal in writing to the associate dean. The written appeal must be received within 20 days of the date of the letter from the department chair, and it must indicate specifically why the student believes that due process was not exercised at the department level. The associate dean will examine the facts and review the appeal with the dean of the college. The dean will then render a written decision for the college within 50 days of the date of the letter from the department chair.
3. A subsequent appeal requires a written statement to the vice president for academic affairs indicating the basis of the appeal. The statement should be received within 20 days of the date of the dean's letter to the student.

**Appeals of Suspension and Exclusion:** At the undergraduate level, appeals related to scholastic suspension or scholastic exclusion are considered by the university's Student Advisement Center. That office should be contacted for the proper procedure.

### Modification of College Degree Requirements

The college Committee on Undergraduate Studies reviews petitions for modifications of the degree requirements of the college. Degree modification petitions are granted only in the case of extenuating circumstances and only when an educationally acceptable substitution is proposed. Petition forms and information on deadlines are available in the Office of Academic Assistance.

## 3060 Departments and Faculty

### Department of African-American Studies

962 One Park Place South

404/651-2157

<http://www.gsu.edu/afam>

Charles E. Jones, Chair

Faculty: Ali, Akinyela, Calhoun-Brown, Dixon, Gayles, Hall, Haydon, Hilliard, Holmes, Jones, Livingston, Manning, Marsh-Lockett, Phillips, Presley, Rouse, Stewart, Taylor, Umoja, Vernick, Watts, West, Zeigler

### Department of Anthropology

335 Sparks Hall

404/651-3232

<http://monarch.gsu.edu/>

Kathryn A. Kozaitis, Chair

Frank Williams, Director of Undergraduate Studies

Faculty: Guano, Gullette, Kozaitis, McCombie, Patico, White, Williams

### Department of Applied Linguistics and English as a Second Language

34 Peachtree, 12<sup>th</sup> Floor

404/651-3650

<http://www.gsu.edu/alesl>

Gayle Nelson, Chair

Sara Weigle, Director of Undergraduate Studies

Cheryl Delk, Director of Intensive English Program



Faculty: Bunting, Burke, Byrd, Carson, Cavusgil, Delk, Eisterhold, Firestone, Gobron, Jiang, Larsson, Lindemann, Murphy, Nelson, Pickering, Snell, Stowe, Weigle

### **Ernest G. Welch School of Art and Design**

3180 School of Art and Design

117 Art and Humanities Building

404/651-2257

<http://www.gsu.edu/art>

Cheryl Goldsleger, Director

Conne Thalken, Associate Director

Faculty: Anderson, Beasley, Bramlette-Reeves, Burleson, Dongoski, Eubanks, Flowers, Floyd, Gilbert, Gindhart, Goldsleger, Gunhouse, Hartwig, King, Landesberg, Longobardi, Lukens, McGinnis, Milbrandt, Murrell, Peragine, Pollack, Richmond, Ross, Stanford, Sugarman, Thalken, Throop,

### **Department of Biology**

402 Kell Hall

404/651-2259

<http://biology.gsu.edu>

Phang C. Tai, Chair

Teryl Frey, Associate Chair

Barbara Baumstark, Director of Instructional Programs

Therese Poole, Undergraduate Director

Kathy Rockwell, Undergraduate Coordinator

Faculty: Albers, Attanasio, Barfuss, Baro, Bartness, Baumstark, Blaustein, Borek, Brinton, Carruth, Chin, Clancy, Crow, Day, Derby, Dix, Edwards, Eichenbaum, Eilertson, El-Mayas, Frantz, Frey, Gadda, Gilbert, Greer, Grober, Harrison, Hilliard, Houghton, Jiang, Johnson, Katz, Kaur, Y. Liu, Z. Liu, Lu, Massey, Maxwell, Murphy, Pallas, Perelygin, Perelygina, Pierce, Poole, Rehder, Said, Smith, Tai, Walthall, Weber, Zellars

### **Department of Chemistry**

540 General Classroom Building

404/651-3120

<http://chemistry.gsu.edu>

A. L. Baumstark, Chair

Dabney Dixon, Associate Chair

Paul J. Franklin, Director of Undergraduate Studies, Adviser

Faculty: Allison, Barrow, Baumstark, Dixon, Franklin, Gadda, Germann, Grant, Huang, Kennedy, Kibler-Herzog, Netzel, Pascoe, Patonay, Ray, Shamsi, Smith, Strekowski, Wang, Wilson, Yang, Zheng

### **Department of Communication**

1040 One Park Place South

404/651-3200

<http://communication.gsu.edu>

David Cheshier, Chair

Kathryn Fuller-Seeley, Associate Chair

Doug Barthlow, Undergraduate Adviser

Faculty: Alleyne, Austin, Barthlow, Beck, Bellon, Bennett, Bernstein, Bolia, Boozer, Bruner, Cheshier, Darsey, Friedman, Fujioka, Fuller-Seeley, Hoffner, Holmes, Lisby, Meyers, Miller, Morris, Perren, Restivo, Roberts, Ronski, Schiffer, Smith, Stuckey, Teel, Vollmer, Wilkin, Winkler

### **Department of Computer Science**

Ste. 1450, 34 Peachtree Street Building

404/463-2888

<http://www.cs.gsu.edu>

Yi Pan, Chair

Anu Bourgeois, Director of Undergraduate Studies

Jaman Bhola, Undergraduate Adviser

Faculty: Belkasim, Beyah, Bhola, Bourgeois, Harrison, Henry, Hu, Hundewale, King, Li, Nguyen, Pan, Prasad, Preethy, Sunderraman, Weeks, Zelikovsky, Zhang, Zhu

**Department of English**

923 General Classroom Building  
404/651-2900

<http://www.gsu.edu/english>

Matthew Roudané, Chair

Randy Malamud, Associate Chair

Audrey Goodman, Director of Undergraduate Studies

Marti Singer, Director of Lower Division Studies

John Holman, Director of Creative Writing

Faculty: Bottoms, Bowie, Brown, Burmester, Burrison, Caldwell, Chase, Dobranski, Erickson, Gabler-Hover, Gaillet, Galchinsky, Gallant, Goodman, Gu, Gyls, Harper, Hirsh, Hocks, Holman, Joseph, Kocela, Lightsey, Lopez, Malamud, Marsh-Lockett, Martin, P. McHaney, T. McHaney, Pullman, Richardson, Richtarik, Roudané, Russell, Sattelmeyer, Schatteman, Schmidt, Singer, Smolinski, Snow, Stokesbury, Thomas, Voss, West, Zeigler

**Department of Geosciences**

340 Kell Hall  
404/651-2272

<http://monarch.gsu.edu/geosciences/>

Timothy E. LaTour, Chair

Jeremy E. Diem, Undergraduate Director for Geography

Hassan A. Babaie, Undergraduate Director for Geology

Faculty: Allensworth, Babaie, Burnley, Crampton, Diem, Elliott, Fritz, Hankins, Krogstad, LaTour, Lin, Rose, Stewart, Terrell

**Gerontology Institute**

605 One Park Place  
404/651-2692

<http://www.gsu.edu/gerontology>

Frank Whittington, Director

Faculty: Ball, Kemp, King, Pearman, Perkins, Whittington

**Department of History**

805 General Classroom Building  
404/651-2250

<http://www.gsu.edu/history>

Hugh Hudson, Chair

Michelle Brattain, Associate Chair

Wendy Venet, Undergraduate Director

Faculty: Ali, Baker, Blumi, Brattain, Crimmins, Davidson, Eskew, Fletcher, Hudson, Kuhn, Laub, Long, Lutz, McCreery, Perry, Poley, Rapp, Reid, Reynolds, Ristvet, Rouse, Selwood, Skwiot, Steffen, Venet, Youngs

**Department of Mathematics and Statistics**

750 College of Education Building  
404/651-2245

<http://www.mathstat.gsu.edu>

Johannes H. Hattingh, Chair

Draga Vidakovic, Associate Chair

Valerie A. Miller, Director of Undergraduate Studies

Joseph J. Walker, Director of Undergraduate Advisement

Faculty: Alexander, Arav, Bakonyi, Belinsky, Chen, Davis, Ding, Enescu, Ferguson, Gaensler, Ghosh, Hall, Han, Harden, Hattingh, Hsu, Li, Liu, Miller, Myers, N. Patterson, Patyi, Phillips, Qin, Rogers, Shilnikov, Smirnova, Smith, Stewart, Vidakovic, Walker, Zhang, Y. Zhao, Yi Zhao

**Middle East Institute**

The Middle East Institute  
404/651-4239

<http://www.gsu.edu/mideast>

Dona J. Stewart, Director

Teirab AshShareef, Assistant Professor of Arabic

Ching-Jen Wang, Assistant Professor of Arabic

### **Department of Military Science and Leadership**

120 Courtland Building

404/651-2275

<http://www.gsu.edu/rotc>

Kevin S. Anderson, Chair

Faculty: Anderson, Burke, Fannell, Jordan, West

### **Department of Modern and Classical Languages**

841 General Classroom Building

404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

Faculty: Alcócer, Bonnet, Braunrot, Carey, Cash, del Río Parra, Doig, Fernández-L'Hoeste, Hanley, Huff, Keatley, Le Calvez,

Lupi, Méndez-Ramírez, Moreno, Nichols, O'Connell, Paden, Perla, Reati, Rodrigo, Schlig, Semonsky, Swanson, Takatori,

Torres

### **School of Music**

Haas-Howell Building, Room 520

404/651-3676

<http://www.music.gsu.edu>

John B. Haberlen, Director

David Myers, Associate Director and Undergraduate Director

Faculty: Ambrose, Barker, Carter, Coleman, Demos, Frackenpohl, Freer, Gerber, Gerschefski, Gibson, Greene, Haberlen, Harper,

Hartgrove, Haston, Haydon, Kirkpatrick, McFarland, McKean, Myers, Orr, Palmer, Pomeroy, Raines, Seelman, Taylor,

Thompson, Vernick

### **Department of Philosophy**

34 Peachtree St., 11<sup>th</sup> Floor

404/651-2277

<http://www.gsu.edu/philosophy>

George Rainbolt, Chair

Timothy O'Keefe, Director of Graduate Studies

Eddy Nahmias, Director of Undergraduate Studies

Faculty: Altman, Berry, Cohen, A.I., Cohen, A.J., Dwyer, Hartley, Jacobson, Merritt, Nahmias, O'Keefe, Rainbolt, Rand

### **Department of Physics and Astronomy**

400 Science Annex

404/651-2279

<http://www.Phy-Astr.gsu.edu>

H. Richard Miller, Chair

David Wingert, Undergraduate Director

Brian Thoms, Undergraduate Director

Faculty: Apalkov, Bagnuolo, Crenshaw, Cymbalyuk, Dietz, Gies, Hastings, He, Henry, Mani, Manson, Matsik, McAlister,

Miller, Nelson, Perera, Stockman, Thoms, Wiita, Wingert

### **Department of Political Science**

1005 General Classroom Building

404/651-3152

<http://www2.gsu.edu/~wwwpol/>

William M. Downs, Chair

Robert Howard, Undergraduate Director

Faculty: Binford, Calhoun-Brown, Carey, Downs, Duffield, Engstrom, Franklin, Graves, Hankla, Herb, Howard, James, Lazarus, Lindsay, Manning, McCoy, McKay, Naim, Nixon, Reimann, Richey, Steigerwalt, Subotic

### **Department of Psychology**

11th floor, Urban Life Building

404/651-2283

<http://www.gsu.edu/psychology>

David Washburn, Chair

Lisa Armistead, Associate Chair

Sarah L. Cook, Director of Undergraduate Studies

Tenagne Mulugeta, Undergraduate Adviser

Faculty: Adamson, Albers, Anderson, Armistead, Bakeman, Clarkson, Cohen, Cook, Culley, Darnell, Emshoff, Floyd, Garfin, Henrich, Huhman, Jackson, Jurkovic, King, Kleider, Kuperminc, McClure, M. Morris, R. Morris, Owren, Parent, Parrott, Perilla, Peterson, Petruslis, Riso, Robins, Ronski, Sevcik, Stewart, Vanman, Washburn, Watts, Wilczynski

### **Department of Religious Studies**

34 Peachtree Street, 11th floor

404/651-2277

<http://www.gsu.edu/religion>

Timothy Renick, Chair

Jonathan Herman, Director of Undergraduate Studies

Faculty: Herman, Iskander, McClymond, Renick, Ruprecht, White

### **Department of Sociology**

1041 General Classroom Building

404/651-2285

<http://www.gsu.edu/sociology>

Donald C. Reitzes, Chair

Wendy Simonds, Undergraduate Director

Faculty: Ainsworth, Baunach, Burgess, Cantrell, Davis, Donnelly, Gallagher, Harvey, Jaret, Kii, Kim, LaRossa, Meeks, Norwood, Reid, Reitzes, Ruel, Sheff, Simonds, Stombler, Whittington, Zhan

### **Women's Studies Institute**

10<sup>th</sup> Floor Urban Life Building

404/651-4633

<http://www.gsu.edu/womensstudies>

Susan Talburt, Director

Julie Kubala, Undergraduate Studies Director

Faculty: Ball, Jarmakani, Kubala, Phillips, Sinnott, Talburt

## **3070 Research Centers**

### **Asian Studies Center**

Dr. Douglas Reynolds, Interim Director

The Asian Studies Center promotes scholarly and academic activities related to Asia and Asian Americans. To this end, the center focuses primarily on research activities and learning opportunities for faculty and students pertaining to South Asia, China and Inner Asia, Southeast Asia, Northeast Asia, and Americans of Asian descent. A variety of programs are supported by the Center, which works to develop and advance a strong awareness of Asia's contributions and importance to the university, the United States, and the world. For more information visit: <http://www.gsu.edu/~wwwast/>.

### **Jean Beer Blumenfeld Center for Ethics**

Dr. Andrew Altman, Director

Dr. Andrew I. Cohen, Associate Director

The Center for Ethics supports research on contemporary ethical issues and serves the university and the Atlanta community by sponsoring conferences on ethics in areas such as health care, business, and government. For more information visit:

<http://www.gsu.edu/ethics>.

### **Center for Biotechnology and Drug Design**

Dr. Phang C. Tai, Director

Dr. A. L. Baumstark, Co-director

The Center for Biotechnology and Drug Design consists of an interdisciplinary group of faculty members from the Departments of Biology and Chemistry. The center supports faculty research and graduate student training, and collaborative efforts with biotechnology firms in Georgia. Core facilities, supported by Georgia Research Alliance, house state-of-the-art research equipment, including high-field NMR spectrometers, nucleic acid/protein synthesizers and sequencers, cell sorters, DNA thermocyclers, and phosphoimagers. The center provides research opportunities for M.S. and Ph.D. students in biotechnology and related fields. For more information visit: <http://www.cas.gsu.edu/biotech>.

### **Center for Brain Sciences and Health/Center for Behavioral Neuroscience**

Dr. H. Elliott Albers, Director

The Center for Brain Sciences and Health (CBSH) is an interdisciplinary neuroscience research center. Center faculty are engaged in basic and clinical research, educational programs from kindergarten to postdoctoral training, and the development of new technologies in cooperation with industrial partners. CBSH administers the Georgia State component of the National Science Foundation Science and Technology Center in Behavioral Neuroscience (CBN). The center, founded in November 1999 with support from NSF, the Georgia Research Alliance, and a consortium of Atlanta institutions, conducts innovative research in behavioral neuroscience, educates a new generation of interdisciplinary investigators, and promotes an increased public awareness of the interaction of brain function and behavior. Faculty from Georgia State's Departments of Biology, Chemistry, and Psychology play important roles in the work of the center. For more information, go to the following websites:

<http://www.biology.gsu.edu/cbh/> and <http://www.cbn-atl.org>.

### **Center for Collaborative Scholarship in the Humanities**

Dr. David Cheshier, Director

The college announced the creation of a new Humanities Center in April 2006. The center's mission is to promote the broadest possible collaboration among the various humanistic disciplines in the college. The center will seek to raise the regional and national profile of the humanities at Georgia State; it will facilitate efforts to solicit external grant funds that are specifically earmarked for interdisciplinary work; and it will work to establish and strengthen partnerships with local and regional organizations and institutions engaged in related work.

### **Center for Educational Partnerships in Music**

Dr. David Myers, Director

The Center for Educational Partnerships in Music (CEPM) promotes excellence in music teaching and learning through partnerships among the university, P-12/continuing education, and community arts organizations. In support of this mission, CEPM develops model programs, serves as a resource for existing partnerships, and conducts research on the educational effectiveness of partnership programs. For more information visit: <http://music.gsu.edu/cepm/default.htm>.

### **Center for Environmental Research**

Dr. Sidney Crow, Director

The Center for Environmental Research provides diverse research activities at Georgia State University concentrating on environmental issues and problems. By offering undergraduate and graduate research opportunities, the center prepares students for environmentally oriented careers in regional, state, and local governmental agencies and industries. The center is composed of interdisciplinary faculty from the Departments of Anthropology, Biology, Chemistry, Computer Science, Economics, Geosciences, Mathematics and Statistics, Philosophy, Physics and Astronomy, and Public Administration. For more information visit: <http://biology.gsu.edu/depart/centerEnviron.htm>.

### **Center for Hellenic Studies**

Dr. Nickitas J. Demos, Director

The Center for Hellenic Studies has the mission of expanding and disseminating knowledge of ancient and contemporary Hellenic cultures. The center achieves this aim through interdisciplinary research, university courses, and community events that focus on Greek history, philosophy, religion, language, society, and arts. The center also supports greater interaction between American and Greek institutions. For more information visit: <http://www.gsu.edu/~wwwasi/chs/>.

### **Center for High Angular Resolution Astronomy**

Dr. Harold McAlister, Director

The Center for High Angular Resolution Astronomy (CHARA) conducts research involving very high resolution imaging of astronomical objects. The center has designed and built the CHARA Array, an optical/interferometric array of six 1-meter tele-

scopes capable of achieving resolution down to 0.0002 arcsecond. This is 50 times greater resolution than that of the Hubble Space Telescope. The Array is located on the grounds of Mt. Wilson Observatory in the San Gabriel Mountains of southern California. Georgia State is the only university in the world to have such a uniquely powerful instrument. Faculty, staff, and graduate students from the Department of Physics and Astronomy utilize the CHARA Array for a variety of research programs. For more information visit: <http://www.chara.gsu.edu/CHARA/index.html>.

### **Center for Interdisciplinary and Collaborative Arts**

Ralph Gilbert, Director

The Center for Collaborative and Interdisciplinary Arts (CENCIA) brings together creative writers, visual arts, composers, musicians, actors and playwrights, filmmakers, and scholars engaged in arts-related research at Georgia State University. This cutting edge union of arts-related disciplines is helping to guide the trajectory of the fine arts in the 21st century, as boundaries between traditional disciplines give way to exciting new partnerships.

### **Center for International Media Education**

Dr. Leonard Ray Teel, Director

The Center for International Media Education was established in 1996 to assist in the development of media education in various parts of the world. The principal focus currently is on the Middle East and North Africa. The center concentrates on curriculum development, student publications, and academic and professional internships. For more information visit: <http://www.gsu.edu/~wwwcim/>.

### **Center for Latin American and Latino/a Studies**

Dr. Hector Fernandez-L'Hoeste, Director

The Center for Latin American and Latino/a Studies addresses issues of Latin American and Latino culture, economics, and politics through interdisciplinary research, education, and community outreach. Faculty from a variety of departments, including Anthropology, Art History, Communication, Geosciences, History, Modern and Classical Languages, Political Science, and Psychology, examine the opportunities and challenges presented by the emerging Hispanic presence in the Atlanta area and the increasing importance of Latin American culture in the United States. For more information visit: <http://www2.gsu.edu/~wwwcla/>.

### **Center for Neighborhood and Metropolitan Studies**

Dr. Tim Crimmins, Director

The Center for Neighborhood and Metropolitan Studies is an interdisciplinary group created to focus academic research, teaching, and service on the needs of neighborhoods where people live and confront localized issues. Created from a recommendation made by GSU's Arts and Sciences Urban Group, the Center also addresses the whole of the metropolis to allow the study of problems that affect all cities and encourage a comparative focus. For more information visit: <http://www2.gsu.edu/~wwwnms/>.

### **Center for Neuromics**

Dr. Paul Katz, Director

The Center for Neuromics fosters research on the fundamental unit of the brain, the neuron. Just as genomics is the characterization of all the genes in an organism, neuromics is the study of neurons and the interconnectivity. The center sponsors research seminars and provides travel and equipment support for students interested in working in the field of neuromics. For more information visit: <http://biology.gsu.edu/neuromics>.

### **Center for Research on Atypical Development and Learning**

Dr. MaryAnn Ronski, Director

The Center for Research on Atypical Development and Learning (CRADL) coordinates scholarly efforts that focus on gaining a fuller understanding of atypical developmental and learning processes from birth through adolescence. An interdisciplinary center, CRADL supports basic and applied research in three primary areas: developmental disabilities, including autism; developmental learning and attention disorders; and acquired brain damage. The center also facilitates educational and outreach efforts. For more information visit: <http://www.gsu.edu/~wwwaty/>.

### **Language Research Center**

Dr. David Washburn, Director

The Language Research Center, located on a 55-acre tract of forest in southeast Atlanta, studies the nature of language and the development of first language skills. Its research concentrates on the advanced cognitive processes of the great apes and monkeys. The center provides graduate research opportunities for students and faculty from the Departments of Psychology, Anthropology, and Biology. For more information visit: <http://www.gsu.edu/lrc>.



## Regents Center for Learning Disorders

Dr. Mary Morris, Director

The Board of Regents of the University System of Georgia has established three centers for the provision of assessment, resources, and research related to students within the University System who have learning disorders. The Regents' Center for Learning Disorders at Georgia State University has been assigned to serve 14 institutions in the Northwest Georgia area. For more information visit: <http://www.gsu.edu/rcld/>.

## 3080 Facilities and Projects

### Art Galleries

The School of Art and Design maintains an active gallery and special events schedule. Exhibitions, lectures, and workshops by artists of national renown as well as exhibitions by students and faculty of the School of Art and Design are regularly presented through the galleries.

### Advanced Biotechnology Center

The Departments of Biology and Chemistry operate a number of state-of-the-art core facilities that support instructional and research programs. These include high-field nuclear magnetic resonance, biological imaging, confocal microscopy, molecular modeling, fermentation, and protein/nucleic acid syntheses, amplification, and sequence analyses. For more information visit: <http://www.gsu.edu/~wwwabc/>.

### Brains & Behavior

Dr. Donald Edwards, Director

Brains & Behavior (B&B) is a multi-departmental umbrella program that promotes research broadly related to the Neurosciences. It sponsors student fellowships, provides seed grants for research and promotes collaborations across departments. For more information visit: <http://biology.gsu.edu/brains&behavior/>.

### *El Centro*: National Latino Research Center on Domestic Violence

Dr. Julia Perilla, Director

*El Centro* is a national research center on domestic violence in Latino communities, and it is part of the National Latino Alliance to Eliminate Domestic Violence. *El Centro*'s mission is three-fold: (1) to promote culturally appropriate research and evaluation regarding the issue of domestic violence in Latino communities; (2) to mentor and serve as a resource for Latino and Latina researchers and other researchers interested in the issue of domestic violence in the Latino population; and (3) to maintain an ongoing dialogue with practitioners and service providers regarding relevant research topics that address emerging needs in Latino communities.

### Florence Kopleff Recital Hall

The School of Music's 400-seat Kopleff Recital Hall is located on the corner of Gilmer Street and Peachtree Center Avenue. This acoustically superb performance hall is equipped with a 3-manual, 36-rank Miller pipe organ. The facility is used for performances by music faculty and students and by distinguished visiting artists from around the world.

### Georgia Government Documentation Project

The Georgia Government Documentation Project (GGDP), a joint venture of the Department of History and the Special Collections Department of the University Library, records the state's political heritage through oral history interviews and collections of associated papers. The GGDP collection includes more than 250 interviews with former governors, legislators, women in politics, African-American political activists and leaders, journalists, and numerous other public figures. The GGDP also actively collects interviews conducted by other scholars of Georgia politics. The project is housed in the Georgia State University Special Collections Department.

### Georgia Women's Movement Project

The Georgia Women's Movement Project, a collaborative project of the Women's Studies Institute and the Special Collections Department of the University Library, preserves the papers and artifacts of individuals and organizations involved in the struggle for women's rights in Georgia with particular attention to the Equal Rights Amendment. Established in 1996, the Georgia Women's Movement Archives, housed in the Georgia State University Special Collections Department, includes collections and oral history interviews. The Institute relies on the archives for primary and secondary sources used in research and teaching on the history of women's movements in Georgia and for comparative research globally.

## Hard Labor Creek Observatory

The university's Hard Labor Creek Observatory, located in the Hard Labor Creek State Park 50 miles east of Atlanta, houses a 16-inch cassegrain reflecting telescope and a 40-inch equivalent aperture "multi-telescope telescope," which is the southeast's largest astronomical telescope. These instruments are equipped with modern digital electronic cameras for imaging and spectroscopy and are regularly used by faculty and students in the Department of Physics and Astronomy. Open houses are held monthly except during the winter. For more information visit: <http://www.chara.gsu.edu/HLCO/>.

## Molecular Basis of Disease

Dr. Teryl K. Frey, Director

Molecular Basis of Disease is a multi-departmental program in biomedicine that includes faculty in six departments engaged in interdisciplinary research: Biology, Chemistry, Computer Sciences, Physics and Astronomy, Mathematics and Statistics, and Computer Information Systems. The program provides both graduate and undergraduate fellowships as well as support for the state-of-the-art facilities in these departments. For more information visit: <http://brainsbehavior.gsu.edu/>.

## Urban Health

The goal of the Georgia State University Urban Health initiative is to become nationally recognized as a center of excellence in urban health research. The program involves multiple partners from the colleges of Arts and Sciences, Health and Human Sciences, and Law.

## Viral Immunology Center

Dr. Julia K. Hilliard, Director

The Viral Immunology Center is involved in research and service related to viruses and the immune system. The center provides a global resource funded by the National Institutes of Health to assist in the identification of zoonotic disease transmissions. A particular focus is on the transmission of herpes B virus from Asian monkeys to humans who come in contact with them. For more information visit: <http://www.gsu.edu/~wwwvir/>.

# 3090 African-American Studies

## Programs Offered:

**Bachelor of Arts in African-American Studies**

**Concentration in Humanities**

**Concentration in Social/Behavioral Science**

**Concentration in Pre-Education**

**Minor in African American Studies**

Department of African-American Studies

962 One Park Place South

404/651-2157

<http://www.gsu.edu/afam>

Charles E. Jones, Chair

African-American Studies offers an interdisciplinary approach to the study of African people nationally and globally. It recognizes how issues and factors in addition to race affect the lives of African people worldwide. As an interdisciplinary field of concentration, it offers critiques of knowledge presented in the traditional disciplines and professions, scholarly and artistic accounts of the realities of the lives of African-Americans, and perspectives on social change. The Department of African-American Studies provides students with the intellectual origins, concepts, research, and models of the disciplines; the knowledge and skills necessary for the study of group cultures; and a curriculum that contributes to the goals of multicultural education. Faculty and courses are drawn from the department itself and from other departments/schools/institutes in the university.

## Program Degree Requirements

Alternatives are available to some core and major requirements. Please see a degree program adviser for specific guidelines.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

**B.A. in African-American Studies****Area F: Courses Appropriate to the Major Field (18)**

1. Required Courses (12)
  - AAS 1140 Introduction to African and African-American History and Culture (3)
  - AAS 2010 Introduction to African-American Studies (3)
  - AH 1850 Survey of Art III: Art of Africa, Oceania, and the Americas (3)
  - Soci 1160 Introduction to Social Problems (3)
2. Foreign Language (3)
  - Lang 1002 Elementary II (3)
3. Select one additional course from the following (3):
  - Anth 2020, Econ 2105, Econ 2106, Geog 1101, Hist 1111, Hist 1112, Phil 2010, PolS 2401, Psyc 1101, Psyc 2040, Psyc 2103, Soci 1101, WSt 2010

**Area G: Major Courses (33)**

A grade of C or higher is required in all major courses.

1. Major Requirements (15)
  - AAS 3120 African Diaspora (3)
  - AAS 3975 Concepts and Theories in African-American Studies (3)
  - AAS 3980 Research Methods in African-American Studies (3)
  - AAS 4120 African-American Political Thought (3)
  - AAS 4980 Seminar and Practicum in African-American Studies (3)
2. Literature Course: Select one course (3)
  - AAS 3880 African-American Literature (3)
  - AAS 3960 African-American Literature by Women (3)
  - AAS 4890 Caribbean Literature (3)
3. A minimum of 15 hours must be taken from African-American Studies courses at 3000-4000 level which must include: three courses from one of the two areas (Humanities and Social/Behavioral Sciences) of concentration and two courses from the remaining areas of concentration.

**Humanities Concentration**

- AAS 3080 Issues in African-American Philosophy (3)
- AAS 3450 History of African-Americans in Georgia (3)
- AAS 3500 Jazz History (3)
- AAS 3810 History of African-American Music (3)
- AAS 3880 African-American Literature (3)
- AAS 3955 Language in the African-American Community (3)
- AAS 3960 African-American Literature by Women (3)
- AAS 4125 Black Feminist Thought (3)
- AAS 4230 Religions of the African World (3)
- AAS 4250 African-American Religion (3)
- AAS 4300 African Art (3)
- AAS 4310 Art of Ancient Egypt and Nubia (3)
- AAS 4320 African-American Art (3)
- AAS 4600 Enslavement and Resistance in North America (3)
- AAS 4620 Enslavement in the Americas (3)
- AAS 4640 African-American People (4)
- AAS 4650 African-American Theatre (3)
- AAS 4660 African-American Women (4)
- AAS 4750 African-American Ethical and Legal Issues (3)
- AAS 4760 Eastern Africa and the Horn of Africa (4)
- AAS 4765 Central and Southern Africa (4)
- AAS 4770 Western Africa (4)
- AAS 4772 Women in Africa (3)
- AAS 4774 African Rebellions (3)
- AAS 4776 Africa and Hollywood: Myth, Romance, and Savage Imagery (4)
- AAS 4890 Caribbean Literature (3)
- AAS 4950 African-American Popular Culture (3)

**Social/Behavioral Science Concentration**

|          |                                                      |
|----------|------------------------------------------------------|
| AAS 3000 | African-American Family (3)                          |
| AAS 3050 | Introduction to African-American Psychology (3)      |
| AAS 3070 | African Americans in the Criminal Justice System (3) |
| AAS 3240 | Peoples and Cultures of Africa (3)                   |
| AAS 3480 | African-American Rhetoric (3)                        |
| AAS 3980 | Research Methods in African-American Studies (3)     |
| AAS 4000 | Issues in the African-American Community (3)         |
| AAS 4030 | African-American Male/Female Relationships (3)       |
| AAS 4080 | African-American Female Activism (3)                 |
| AAS 4100 | African-American Women in the United States (3)      |
| AAS 4160 | African-American Politics (3)                        |
| AAS 4180 | Politics of the Civil Rights Movement (3)            |
| AAS 4280 | African-American Anthropology (3)                    |
| AAS 4400 | Geography of Africa (3)                              |
| AAS 4530 | Voices of African-American Feminists (3)             |
| AAS 4780 | African-American Lesbian and Gay Activism (3)        |
| AAS 4900 | African-Americans in Film (4)                        |

**Pre-Education Concentration**

The Department of African-American Studies offers a pre-education track with a concentration in history for students who wish to become public school teachers and to be certified to teach by completing the initial teacher preparation alternative M.Ed. program in Social Studies Education in the College of Education (or a similar master's level initial preparation program at another university). The pre-education track in African-American studies develops teachers to work effectively in multi-cultural classrooms. The pre-education track in African-American Studies prepares teachers to teach students from diverse ethnic, gender, cultural, and social class groups by offering curricula that examine the histories and experiences of people of African descent and aspects of cultural identity formation in the U.S., Africa, and the Caribbean. This track also prepares educators to develop their students to be citizens of a global community. Students who wish to pursue the pre-education track in African-American studies must take ten designated upper-division major courses (33 credit hours) and complete the course work in three of the following allied fields: political science (9), geography (9), and economics (9), but only one of these behavioral sciences: anthropology, sociology, and psychology. After completion of the above requirements, the student will be awarded a Broad Field Social Science Pre-Education Certificate.

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| AAS 3975               | Concepts and Theories in African-American Studies (3) |
| AAS 3450               | History of African Americans in Georgia (3)           |
| AAS 4640/Hist 4270     | African-American People (4)                           |
| AAS 4600/Hist 4280     | Enslavement and Resistance in North America (3)       |
| AAS 4620/Hist 4290     | Enslavement in the Americas (3)                       |
| AAS 4772/Hist/WSt 4772 | Women in Africa (3)                                   |
| AAS 4774/Hist 4774     | African Rebellions (3)                                |
| AAS 4980               | Seminar and Practicum in African-American Studies (3) |
| Hist 3000              | Introduction to Historical Studies (4)                |
| Hist 3220              | United States in the Twentieth Century (4)            |

**Total Number of Hours: 33**

**Allied Fields (27)**

Select three out of the following four allied fields:

- Political Science (9) (3000-4000 level courses)
- Sociology (9) (3000-4000 level courses)
- Geography (9) (3000-4000 level courses)
- Economics (9) (3000-4000 level courses)

**Area H: Minor and Additional Courses**

Students majoring in African-American Studies:

1. Are not required to take a minor.
2. Must take additional courses as electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses.

## Minor in African-American Studies

Students who wish to minor in African-American Studies should complete the following requirements (15). A grade of C or higher is required in all minor courses.

1. Complete the following three courses (9)

|          |                                              |
|----------|----------------------------------------------|
| AAS 2010 | Introduction to African-American Studies (3) |
| AAS 3120 | African Diaspora (3)                         |
| AAS 4120 | African-American Political Thought (3)       |
2. Select two African-American Studies courses at the 3000 level or above (6).

## 3100 Anthropology

### Programs Offered:

**Bachelor of Science in Anthropology**

**Concentration in Pre-Education**

**Minor in Anthropology**

335 Sparks Hall

404/651-3232

<http://monarch.gsu.edu/>

Department of Anthropology

Kathryn A. Kozaitis, Chair

Frank Williams, Director of Undergraduate Studies

Anthropology, the study of humans, provides students with a perspective on the nature of humankind over time and in different environments. It is concerned with humans as biological beings (biological anthropology), with prehistory and cultural evolution (archaeology), and with how humans order their worlds socially and culturally (social/cultural anthropology), as well as with the nature of human language (linguistic anthropology). The Department of Anthropology offers a Bachelor of Arts degree in Anthropology. Undergraduate majors are encouraged to take a wide range of courses in archaeology, biological anthropology, and cultural anthropology. Anthropologists are frequently teachers and/or researchers in educational systems, or, alternatively, they work for public and private agencies. Within these areas, they may be specifically concerned with historic or cultural resource preservation or cross-cultural and minority group relations in such areas as medicine, community development, education, tourism, business, and other specialties.

### Program Financial Information

No additional expenses are needed to complete this degree program. Some special courses that travel away from campus, such as Anth 4550 Field School in Anthropology, will have additional costs. The department offers two endowed scholarships for undergraduate majors: the Robert L. Blakeley Endowed Scholarship in Anthropology and the Jeremy D. Gillen Endowed Memorial Scholarship in Anthropology.

### Program Academic Regulations

Students must earn a grade of C or better in any courses required for Areas F and G. A grade of C or higher is also required in all courses counting toward an Anthropology minor.

### Program Degree Requirements

Alternatives are available to some core and major requirements. Please see a degree program adviser for specific guidelines.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.A. in Anthropology

#### Area F: Courses Appropriate to the Major Field (18)

1. Required Courses (12)

|           |                                             |
|-----------|---------------------------------------------|
| Anth 2010 | Introduction to Biological Anthropology (3) |
| Anth 2020 | Introduction to Cultural Anthropology (3)   |
| Anth 2030 | Introduction to Archaeology (3)             |
| Lang 2001 | Intermediate Foreign Language (3)           |
2. Choose two from the following (6)

|                          |                                        |
|--------------------------|----------------------------------------|
| Math 1070                | Elementary Statistics (3)              |
| Phil 2010                | Great Questions of Philosophy (3)      |
| [But only one of these]: |                                        |
| AL/ForL 2101             | Introduction to Language (3) <b>or</b> |
| AL/ForL 2102             | Languages of the World (3)             |

### Area G: Major Courses (24)

A grade of C or higher is required in all major courses.

1. Theory Course. Select one: (4)
  - Anth 4020 Anthropological Theory (4)
  - Anth 4600 Archaeological Theory (4)
2. Methods Course. Select one (at least 3)
  - Anth 4350 Applied Biocultural Anthropology (3)
  - Anth 4360 Methods and Theories in Biological Anthropology (4)
  - Anth 4370 Forensic Anthropology (3)
  - Anth 4440 Epidemiology and Anthropology (4)
  - Anth 4480 Ethnographic Analysis (4)
  - Anth 4550 Field School in Anthropology (4-8)
  - Anth 4590 Archaeological Laboratory Methods (4)
  - Anth 4620 Quantitative Methods in Anthropology (4)
  - Anth 4630 Qualitative Methods in Anthropology (3)
3. Anth 4970 Senior Seminar in Anthropology (3)
4. Electives: Additional courses at the 3000 or 4000 level (at least 14)

### Area H: Minor and Additional Courses

1. Students majoring in anthropology are not required to take a minor.
2. Students majoring in anthropology must take additional courses as electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses.

### Pre-Education Concentration

The Social Studies Education Concentration in Anthropology is designed for students who want to be secondary school teachers. This degree provides the initial teaching preparation for the Alternative M.Ed. Program in Social Studies Education in the College of Education at Georgia State University, or similar master's degrees at other universities. Students pursuing this concentration must complete all major requirements and choose three allied fields from other departments, taking a minimum of nine hours of 3000-4000 level courses in each allied field. Students with a concentration in anthropology may choose the following allied fields.

Economics  
Geography  
History  
Political Science

Anthropology allied-field courses:

Possible prerequisites (depending on the 3000-4000 level courses selected by the student):

|           |                                         |
|-----------|-----------------------------------------|
| Anth 1102 | Introduction to Anthropology <b>or</b>  |
| Anth 2010 | Introduction to Biological Anthropology |
| Anth 2020 | Introduction to Cultural Anthropology   |
| Anth 2030 | Introduction to Archaeology             |

Select any three 3000-4000 level courses in anthropology.

### Minor in Anthropology

Students who wish to minor in anthropology should complete the following requirements (1 and 2). (at least 15 hours) A grade of C or higher is required in all courses counting toward the minor.

1. Select one course. (3)
  - Anth 2010 Introduction to Biological Anthropology (3)
  - Anth 2020 Introduction to Cultural Anthropology (3)
  - Anth 2030 Introduction to Archaeology (3)
2. Select four anthropology courses at the 3000 level or above. (at least 12 hours)



Students taking more than 15 hours in courses in anthropology may count the additional hours toward their electives or may consider completing a double major.

## 3110 Applied Linguistics and English as a Second Language

### Programs Offered:

**Bachelor of Arts in Applied Linguistics**

**Certificate in Teaching English as a Foreign Language**

**Minor in Applied Linguistics**

**ESL Credit-Bearing Courses**

**Intensive English Program**

34 Peachtree Street, Suite 1200

404/651-3650

<http://gsu.edu/alesl>

Department of Applied Linguistics and English as a Second Language

Gayle Nelson, Chair

Sara Weigle, Director of Undergraduate Studies

Applied linguistics is an interdisciplinary field that integrates many perspectives on the study of human language. Studying linguistics is not a matter of learning many different languages, but rather it is the study of the nature of language in general. Applied Linguistics is the study of language and communication in relation to real-world problems such as language acquisition and teaching, language assessment, improving intercultural communication, and understanding the relationship between language and social organization.

The Department of Applied Linguistics and English as a Second Language offers (1) a B.A. degree in Applied Linguistics; (2) undergraduate courses leading to the Bachelor's of Interdisciplinary Studies (B.I.S.) degree in Language Studies (see Section 3370), (3) a certificate in Teaching English as a Foreign Language (TEFL), (4) ESL credit-bearing courses for non-native speakers of English, and (5) Intensive English Program (IEP) courses for non-native speakers of English.

The B.A. in Applied Linguistics and the B.I.S. in Language Studies provide the opportunity for students to explore the field of linguistics from an interdisciplinary perspective. Dr. Sara Weigle is Director of Undergraduate Studies for the department and can be contacted at 404/651-3223 or [sweigle@gsu.edu](mailto:sweigle@gsu.edu).

The TEFL certificate program provides students with appropriate skills and a credential that will enable them to teach English as a foreign language abroad. Students majoring in any undergraduate program can earn the TEFL certificate. In addition, the certificate can be earned by any postbaccalaureate student. TEFL certificate requirements consist of the following five courses: AL 3021, AL 3041, AL 3051, AL 4151, and AL 4161. AL 3021 is a prerequisite for the remaining four courses. AL 4161 is taken after AL 3051, in the student's final semester.

For information on credit-bearing ESL courses for non-native speakers of English and the Intensive English Program, see Section 3230 (English as a Second Language).

### Program Academic Regulations

Students must earn a grade of C or better in any courses required for Areas F and G. A grade of C or higher is also required in all courses counting toward an Applied Linguistics minor.

### Program Degree Requirements

Alternatives are available to some core and major requirements. Please see a degree program adviser for specific guidelines. In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

Area F: Courses Appropriate to the Major Field (18)

1. Required courses (6)

AL 2101 Introduction to Language (3)

AL 2102 Languages of the World (3)

2. The foreign language requirement for the degree is as follows.

(a) Students must complete foreign languages courses through level 2002 in one foreign language or demonstrate equivalent proficiency through examination (e.g., Advanced Placement, CLEP, or other approved examination procedures). (b) Students must complete at least one semester of a less commonly taught language (i.e., any language other than French, German, Spanish, or Italian) and are strongly encouraged to study a non-Indo-European language to fulfill this requirement.

Lang 1001      Beginning Foreign Language I\* (0-6)

Lang 1002      Beginning Foreign Language II (0-3)

Lang 2001      Intermediate Foreign Language I (0-3)

Lang 2002      Intermediate Foreign Language II (0-3)

\* At least one course at the 1001 level must be a Less Commonly Taught Language.

A student may include foreign language study through course 1002 in area C; in this case additional electives may be taken in Area F to attain 18 credit hours.

3. Electives (0-12)\*

Lang 1001-1002    Beginning Foreign Language I & II (3-6)

Lang 2001-2002    Intermediate Foreign Language I & II (3-6)

AL 2103            Learning across Cultures (3)

Anth 1102          Introduction to Anthropology (3)

Anth 2020          Introduction to Cultural Anthropology (3)

Econ 2100          Global Economy (3)

Engl 2110          World Literature (3)

Engl 2150          Introduction to Rhetoric & Advanced Composition (3)

Phil 2010          Great Questions of Philosophy (3)

Psyc 1101          Introduction to General Psychology (3)

Spch 1010          Voice and Articulation (3)

Spch 2650          Interpersonal Communication (3)

\*Students who complete their foreign language requirement through examination must choose additional electives at the 1000-2000 level to reach 18 credit hours in Area F.

### **Area G: Major Courses (30)**

1. The following course is a prerequisite for all other 3000-4000 level courses:

AL/ForL 3021      Introduction to Linguistics (3)\*

2. Major Requirements (12)

AL 3031            Language in Society (3)

AL 3041            Introduction to Second Language Acquisition (3)\*

AL 4011            Phonetics and Phonology (3)

AL 4012            Morphology and Syntax (3)

3. Electives in the Department of Applied Linguistics and ESL. (9)

AL 3051            Methods of Teaching English as a Foreign Language (3)\*

AL 4111            Semantics and Pragmatics (3)

AL 4121            Historical Linguistics (3)

AL 4131            Bilingualism (3)

AL 4141            Special Topics (3)

AL 4151            Culture and Language Learning (3)\*

AL 4161            English as a Foreign Language Practicum (3)\*

AL 4980            Language Partner Field Experience (3)

AL 4999            Directed Reading (3)

\* Students completing the five courses marked with an asterisk (\*) will also receive the certificate in Teaching English as a Foreign Language.

4. Electives in other departments. Other relevant electives may be taken with the approval of the student's advisor. Study abroad courses offered through any department may be used as electives with advisor approval. (6)

|               |                                                                   |
|---------------|-------------------------------------------------------------------|
| AAS 3240      | Peoples and Cultures of Africa (3)                                |
| AAS 3480      | African-American Rhetoric (3)                                     |
| AAS/Engl 3955 | Language in the African-American Community (3)                    |
| Anth 4040     | Gender, Race, and Class in Complex Societies (3)                  |
| Anth 4450     | American Racial-Ethnic Groups (3)                                 |
| Anth 4490     | Global and Local Culture (3)                                      |
| Econ 3610     | Economy of South Africa (3)                                       |
| EXC 4370      | Survival Level American Sign Language (3)                         |
| EXC 4380      | Intermediate Level Am Sign Language (3)                           |
| Engl 3100     | 20 <sup>th</sup> Century Composition Theory and Practice (3)      |
| Engl 3200     | Introduction to English Language (3)                              |
| Engl 3210     | Advanced Grammar (3)                                              |
| Engl 3220     | History of the English Language (3)                               |
| ForL 3022     | Foundations of Second Language Teaching (3)                       |
| Gmn 4401      | Phonetics and Phonology (3)                                       |
| Hist 4225     | Immigration and Ethnicity in U.S. History (4)                     |
| Hist 4820     | Cross-Cultural Encounters in World History (4)                    |
| Jour 4650     | International Communication (3)                                   |
| Phil 4530     | Philosophy of Language (3)                                        |
| Psyc 4030     | Cross-Cultural Psychology (3)                                     |
| Psyc 4100     | Cognitive Psychology (3)                                          |
| RelS 3270     | World Religions (3)                                               |
| Soci 3212     | Race and Ethnic Relations (3)                                     |
| Soci 3214     | American Racial-Ethnic Groups (3)                                 |
| Soci 3340     | Population Problems (3)                                           |
| Span 4401     | Introduction to Spanish Linguistics (3)                           |
| Spch 3450     | Non-Verbal Communication (3)                                      |
| Spch 3750     | Intercultural Communication (3)                                   |
| Spch 4400     | Development of Communication and Language across the Lifespan (3) |
| Spch 4410     | Communication Disorders (3)                                       |
| Spch 4490     | Communication and Gender (3)                                      |

#### **Area H: Minor and Additional Courses**

1. Students majoring in applied linguistics are not required to take a minor.
2. Students majoring in applied linguistics must take additional courses as electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses. Students are strongly encouraged to choose electives from the lists above.

#### **Minor Offerings**

Students who wish to minor in applied linguistics should complete the following requirements (1-6). (at least 18 hours) A grade of C or higher is required in all courses counting toward the minor. AL/ForL 3021 Introduction to Linguistics is a prerequisite for all courses in 3-6.

1. Lang 1002 Beginning Foreign Language II (3)
2. AL/ForL 3021 Introduction to Linguistics (3)
3. AL/ForL 3031 Language in Society (3)
4. Select one course. (3)
  - AL/ForL 3041 Introduction to Second Language Acquisition (3)
  - AL/ForL 4131 Bilingualism (3)

5. Select one course. (3)

AL/ForL 4011 Phonetics & Phonology (3)

AL/ForL 4012 Morphology & Syntax (3)

6. Select one course. (3)

Choose from remaining courses above under 4 and 5 or from the following list:

AL 3051 Methods of Teaching English as a Foreign Language (3)

AL/ForL 4111 Semantics and Pragmatics (3)

AL/ForL 4121 Historical Linguistics (3)

AL/ForL 4131 Bilingualism (3)

AL/ForL 4141 Special Topics (3)

AL/ForL 4151 Culture and Language Learning (3)

AL 4161 English as a Foreign Language Practicum (3)

AL 4980 Language Partner Field Experience (3)

AL 4999 Directed Reading (3)

## 3120 Arabic

### Programs Offered:

#### Minor in Arabic Language and Literature

Middle East Institute

34 Peachtree St., 11<sup>th</sup> Floor

404/651-4239

<http://www.gsu.edu/mideast>

Dona J. Stewart, Director

Teirab AshShareef, Assistant Professor of Arabic

### Program Degree Requirements

#### Minor in Arabic

Students who wish to minor in Arabic must take 15-18 hours in Arabic, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives. A grade of C or higher is required in all courses counting toward the minor.

## 3130 Art and Design

### Programs Offered:

**Bachelor of Arts in Studio Art**

**Bachelor of Arts in Art History**

**Bachelor of Fine Arts in Art Education**

**Bachelor of Fine Arts in Studio Art**

**Concentration in Drawing, Painting, and Printmaking**

**Concentration in Graphic Design**

**Concentration in Interior Design**

**Concentration in Photography**

**Concentration in Textiles**

**Concentration in Three Dimensional Studies (emphasis in Ceramics or Sculpture)**

**Minors in Art History; Drawing, Painting and Printmaking; Photography; Textiles; and Three Dimensional Studies**

School of Art and Design

117 Art and Humanities Building

404/651-2257

<http://www.gsu.edu/art>

Cheryl Goldsleger, Director

Constance Thalken, Associate Director

The School of Art and Design offers degree programs in studio, art education, and art history. The Bachelor of Fine Arts professional degree is available in studio and art education. Within the studio degree, students may choose from these concentrations: drawing, painting, and printmaking; graphic design; interior design; photography; textiles; or three-dimensional studies.

The School of Art and Design offers the Bachelor of Arts degree for students who wish to pursue a liberal arts education. They may select a concentration in studio art or in art history. The Studio B.A. program covers a range of art courses and a studio concentration. Art history is a more academic liberal arts program devoted to preparing future scholars and curators.

The school seeks to provide an educational environment that encourages the creation and presentation of the visual arts, the study of visual culture, and the education of the larger community in the visual arts. Graduates of the school carry their knowledge forward and contribute to the cultural conscience of the community. A strong corps of the school's graduates is found in the state's art centers and schools. Others hold prominent positions with local and national design firms. Faculty, student artists, and alumni frequently exhibit in national and international galleries and competitions. Their works are in numerous private and corporate collections.

The School of Art and Design is professionally accredited by the National Association of Schools of Art and Design.

## Program Admission

Students who wish to pursue a Bachelor of Fine Arts (B.F.A.) degree must apply to seek this degree. Students may pursue the B.F.A. by being accepted either into a major in studio art or into a major in art education. The studio art program requires a concentration in one of the following areas: drawing, painting, and printmaking; graphic design; interior design; photography; textiles; or three-dimensional studies (ceramics or sculpture). Acceptance to a major is determined by application and portfolio review following completion of the art core sequence. Students should consult with the undergraduate adviser or a faculty adviser for details.

Portfolios and applications are reviewed fall and spring semesters on Portfolio Review Day. Students should check with the School of Art and Design office for information about Review Day.

## Admission to Art Education

Application to the art education major should occur upon completion of the 18 semester hours required in Area F and at the end of the semester in which the student has taken the introductory art education course (AE 4200). Application to the major must occur prior to completing 15 additional semester hours in art. Students must have earned a 2.5 overall cumulative GPA, earned a 3.0 GPA in all art content courses, and passed the Praxis I for entrance to the major.

## Admission to Studio Art

Upon completion of the 18 semester hours required in Area F and prior to completion of 15 additional semester hours, each student who wishes to seek a B.F.A. in Studio Art must submit an application and pass a portfolio review for acceptance into a major concentration. Applications to concentrate in a discipline are available in the School of Art & Design office and are reviewed fall and spring semesters on Portfolio Review Day scheduled prior to Phase I registration. Students should meet with an adviser in the concentration they are considering one semester before they apply for the concentration. In the event that a student is not accepted into the concentration, the student should see the School of Art and Design undergraduate adviser to explore other options.

## Program Academic Regulations

Evaluation of transfer credits should be completed during the first semester of attendance at the university.

## Program Degree Requirements

Art students should seek regular advisement from the Undergraduate Adviser or a faculty adviser (once accepted into their concentration) in the School of Art and Design. In order to facilitate advisement, students in the Bachelor of Arts degree program should declare their major and area of concentration (studio or art history) prior to completion of their Area F courses. Students in the Bachelor of Fine Arts degree program should declare their intention to pursue a B.F.A. degree to the Office of Academic Assistance in the College of Arts and Sciences when they initiate their Area F requirements. Upon completion of the Area F requirements and prior to completion of 15 additional hours in art, students who intend to pursue the Bachelor of Fine Arts degree program must submit an application and portfolio to the concentration faculty for review and approval.

A grade of C or higher is required in all major courses, a grade of B or higher is required in all art education courses, and a GPA of 3.0 is required for all art content courses.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## **B.A. in Studio Art**

### **Areas A-E: Core Curriculum Recommendations**

1. Students may select one art history survey in Area C.

### **Area F: Courses Appropriate to the Major (18)**

1. Studio Requirements (12)
  - Art 1010 Drawing I (3)
  - Art 1020 Drawing II (3)
  - Art 1030 Two-Dimensional Design (3)
  - Art 1040 Three-Dimensional Design (3)
2. Art History Requirements (select two courses in addition to any taken in Area C) (6)
  - AH 1700 Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)
  - AH 1750 Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3)
  - AH 1850 Survey of Art III. Art of Africa, Oceania, and the Americas (3)

### **Area G: Major Courses (33-42)**

1. Major Requirements (30)
  - a. Complete minimum of 18 hours in 3000-level courses from among six different studio art disciplines (18-24) Note: 3000/4000-level studio courses vary from three to four credit hours.
  - b. Studio Concentration (3000/4000 level, select from one discipline previously studied) (6-8)
  - c. Art History Survey (if third Survey not taken in Area F, otherwise, AH 3000/4000-level elective) (3)
  - d. AH 4700 Contemporary Art: Theory and Criticism (3)
2. Art History Elective (4000 level) (3)
3. Option Studio Elective (3-4)
4. Foreign Language (to the 1002 level) (3-6) See "Foreign Language Requirement for B.A. Major," previously described.
5. Select additional non-art courses to complete a minimum of 120 hours. (See "Area H" following degree requirement listings in this section.)

### **Area H: Minor and Additional Courses**

Students seeking the B.A. in Studio Art are not required to take a minor, although they may complete one if they so choose.

## **B.A. in Art History**

### **Areas A-E: Core Curriculum Recommendations**

1. Area B: Cross-cultural art history courses may be offered in this area as sections of Pers 2001 (Perspectives in Comparative Culture). (2)
2. Area C: Students may select one Art History Survey in Area C.

### **Area F: Courses Appropriate to the Major (18)**

1. Art Requirements (9)
  - AH 1700 Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)
  - AH 1750 Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3)
  - AH 1850 Survey of Art III. Art of Africa, Oceania, and the Americas (3)
  - Art Studio (1000 level) (if one 1000-level art history course is taken in Area C) (0-3)
2. Foreign Language Requirements (French or German recommended) (6-9)\*
  - Lang 1002 Elementary Foreign Language II (3) (if not taken in Area C)
  - Lang 2001 Intermediate Foreign Language I (3)
  - Lang 2002 Intermediate Foreign Language II (3)

\* The School of Art and Design requires that art history majors complete the foreign language sequence Lang 1002, 2001, and 2002. (See "Foreign Language Requirement for B.A. and B.I.S. degrees," previously described.)
3. Select additional non-art course at the 1000/2000 level to complete the 18-hour requirement in this area, if necessary. (0-3)

### **Area G: Major Courses (30)**

1. Distribution Requirement: Select one course from each of the following categories: (15)
  - a. **Ancient**
    - AH 4010 Art of Ancient Egypt and Nubia (3)



|         |                                                     |
|---------|-----------------------------------------------------|
| AH 4011 | Art and Architecture of Egypt I: 4000-1600 B.C. (3) |
| AH 4012 | Art and Architecture of Egypt II: 1600-31 B.C. (3)  |
| AH 4020 | Art and Architecture of the Ancient Near East (3)   |
| AH 4110 | Art and Architecture of Ancient Greece (3)          |
| AH 4120 | Art and Architecture of Ancient Rome (3)            |

**b. Medieval, Renaissance, and Baroque**

|         |                                                   |
|---------|---------------------------------------------------|
| AH 4200 | Art and Architecture of the Middle Ages (3)       |
| AH 4310 | Art of Northern Europe in the Renaissance Era (3) |
| AH 4320 | Italian Renaissance Art: The Age of Humanism (3)  |
| AH 4400 | Baroque Art (3)                                   |

**c. Modern**

|         |                                                                  |
|---------|------------------------------------------------------------------|
| AH 4500 | Nineteenth Century: Neoclassicism through Post-Impressionism (3) |
| AH 4600 | Modern Architecture (3)                                          |
| AH 4610 | Twentieth-Century Modernism and Postmodernism (3)                |
| AH 4700 | Contemporary Art: Theory and Criticism (3)                       |

Also counting for this area with permission of adviser:

|         |                                                                             |
|---------|-----------------------------------------------------------------------------|
| AH 4620 | African-American Art (3)                                                    |
| AH 4650 | American Art (3)                                                            |
| AH 4660 | Nineteenth and Twentieth-Century Art in Latin America (3)                   |
| AH 4665 | Latin American Avant-Gardes of the 1920s: Argentina, Brazil, and Mexico (3) |
| AH 4669 | Art in Latin America I: 1900-1950s (3)                                      |
| AH 4670 | Art in Latin America II: 1950-2000 (3)                                      |

**d. Africa and the African Diaspora**

|         |                              |
|---------|------------------------------|
| AH 4000 | African Art (3)              |
| AH 4030 | Contemporary African Art (3) |
| AH 4620 | African-American Art (3)     |

Also counting for this area with permission of adviser:

|         |                                                     |
|---------|-----------------------------------------------------|
| AH 4010 | Art of Ancient Egypt and Nubia (3)                  |
| AH 4011 | Art and Architecture of Egypt I: 4000-1600 B.C. (3) |
| AH 4012 | Art and Architecture of Egypt II: 1600-31 B.C. (3)  |

**e. Art of the Americas**

|         |                                                                             |
|---------|-----------------------------------------------------------------------------|
| AH 4630 | Pre-Columbian Art (3)                                                       |
| AH 4650 | American Art (3)                                                            |
| AH 4660 | Nineteenth and Twentieth-Century Art in Latin America (3)                   |
| AH 4665 | Latin American Avant-Gardes of the 1920s: Argentina, Brazil, and Mexico (3) |
| AH 4669 | Art in Latin America I: 1900-1950s (3)                                      |
| AH 4670 | Art in Latin America II: 1950-2000 (3)                                      |

Also counting for this area with permission of adviser:

|         |                          |
|---------|--------------------------|
| AH 4620 | African-American Art (3) |
|---------|--------------------------|

**f. Other art history courses** that may be chosen to satisfy the distribution requirement in consultation with a departmental adviser are:

|         |                                                     |
|---------|-----------------------------------------------------|
| AH 4750 | Women Artists (3)                                   |
| AH 4800 | Special Studies Lecture (3)*                        |
| AH 4900 | Special Studies Seminar (3)*                        |
| AH 4930 | Art History Internship (3) (may be taken only once) |
| AH 4950 | Curatorial Practicum in Ancient Art (3)             |
| AH 4980 | Special Problems (3)*                               |

\* (May be taken more than once)

Cross-disciplinary Art History Seminars (Cer 4910, Jewl 4910, Phot 4910, Prt 4910, Text 4910, and GrD 4910). No more than two cross-disciplinary seminars may count towards the major.

2. Select 4 additional art history courses from all the courses listed in Area G1. (12)
3. Select one more Art or Art History course. This course must be an Art Studio, if not already taken. (3)

**Area H: Minor and Additional Courses**

1. Select additional courses to complete a minimum of 120 hours. If the Lang 1002, 2001, 2002 sequence is not completed in the core curriculum, Lang 2002 must be taken as an additional course in the 60 hours beyond the undergraduate core curriculum.
2. Students majoring in art history are not required to take a minor, although they may complete one if they so choose.

**B.F.A. in Art Education****Areas A-E: Core Curriculum Recommendations**

1. Area B: Cross-cultural art history courses may be offered in this area as sections of Pers 2001 (Perspectives in Comparative Culture). (2)
2. Area C: Students may select one art history survey in Area C.

**Area F: Courses Appropriate to the Major (18)**

1. Studio Requirements (12)
 

|          |                              |
|----------|------------------------------|
| Art 1010 | Drawing I (3)                |
| Art 1020 | Drawing II (3)               |
| Art 1030 | Two-Dimensional Design (3)   |
| Art 1040 | Three-Dimensional Design (3) |
2. Art History Requirements  
Select two courses in addition to any taken in Area C. (6)
 

|         |                                                                                           |
|---------|-------------------------------------------------------------------------------------------|
| AH 1700 | Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)           |
| AH 1750 | Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3) |
| AH 1850 | Survey of Art III. Art of Africa, Oceania, and the Americas (3)                           |

Application to the art education major should occur upon completion of the 18 semester hours required in Area F and at the end of the semester in which the student has taken the introductory art education course (AE 4200/6200). Students must have earned a 2.5 overall cumulative GPA, earned a 3.0 GPA in all art content courses, and passed the GACE I for entrance to the major. Students should contact an art education faculty member for information about criteria and application procedures.

**Area G: Major Courses (65-67)**

A grade of C or higher is required in all major courses, a grade of B or higher is required in all art education courses, and a GPA of 3.0 is required for all art content courses.

1. Required Courses (35)
 

|           |                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------|
| AH        | 1000-level course not taken in Areas C or F (3) or select one 4000-level AH course (4000 level) |
| Cer 3000  | Hand Building I (3)                                                                             |
| DP 3020   | Life Drawing (3)                                                                                |
| DP 3200   | Painting with Water-Based Media (4) <b>or</b>                                                   |
| DP 3300   | Painting with Oil-Based Media (4)                                                               |
| EDUC 2110 | Investigating Critical & Contemporary Issues in Education (3)                                   |
| EDUC 2120 | Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3)                  |
| EDUC 2130 | Exploring Learning & Teaching (3)                                                               |
| EXC 4020  | Characteristics and Instructional Strategies for Students with Disabilities (3)                 |
| Phot 3000 | Photography I (3)                                                                               |
| Prt 3000  | Introduction to Printmaking (4)                                                                 |
| Scul 3000 | Sculpture I (3)                                                                                 |
2. Select two additional courses in one area to satisfy the 26-hour requirement of a studio art concentration. (6-8)
3. Art Education (12)
 

|              |                                                |
|--------------|------------------------------------------------|
| AE 4200/6200 | Art for Preschool through Fifth Grade (3)      |
| AE 4300/6300 | Art for Middle and Secondary Schools (3)       |
| AE 4400/6400 | Media, Technology, and Visual Presentation (3) |
| AE 4900/6900 | Art Theory and Criticism in Art Education (3)  |
4. AE 4750/6750, AE 4760/6760, AE 4770/6770, and AE 4780/6780 (Student Teaching) (12)
5. Select additional courses to complete a minimum of 126 hours. (See "Area H" following the degree requirement listings in this section.) Art 4980/6989, Special Problems (1-6), may be used in order to meet the specified requirements. Consent of departmental adviser and instructor required.

**Area H: Minor and Additional Courses**

Students seeking the B.F.A. in art education may not seek a minor. They must take additional courses as electives to complete a minimum of 126 semester hours, exclusive of 1000/2000 physical education or military science courses.

Note: Only graduate or post-baccalaureate students will be allowed to register in 6000 level courses, AE 6200, 6300, 6400, and 6900. These courses count only toward certification not as hours in the MAEd.

## Application for Entry into Teacher Education

Prior to being approved for student teaching, art education majors must meet professional requirements for entry into teacher education as listed in the “Teacher Preparation” chapter of this catalog. Students are also required to have a 2.5 overall cumulative GPA and to have passed the GACE I and Regents’ exams.

## Pre-Student-Teaching Review

Prior to being approved for student teaching, all art education students must pass a portfolio-based Pre-Student-Teaching Review, have earned a grade of B or higher in all art education courses, and have earned a 3.0 GPA for all art courses. For details about the Pre-Student-Teaching Review, students should contact their art education adviser.

## Certification Tests

For Georgia teacher certification, all candidates must take and pass the GACE I and GACE II tests. GACE I, required for entry into the major and teacher education, is a test of basic academic skills in reading, writing, and mathematics. GACE II, is required for certification and usually taken the semester prior to student teaching, is a test of art content knowledge and skills. The Counseling Center may be contacted at 404/651-2211 for an examination schedule and application form.

## B.F.A. in Studio Art (120)

See the Program Admission requirements at the beginning of this section.

### Areas A-E: Core Curriculum Recommendations

1. Area B: Cross-cultural art history courses may be offered in this area as sections of Pers 2001 (Perspectives in Comparative Culture). (2)
2. Area C: Students may select one art history survey in Area C.

### Area F: Courses Appropriate to the Major Field (18)

1. Studio Requirements (12)
 

|          |                              |
|----------|------------------------------|
| Art 1010 | Drawing I (3)                |
| Art 1020 | Drawing II (3)               |
| Art 1030 | Two-Dimensional Design (3)   |
| Art 1040 | Three-Dimensional Design (3) |
2. Art History Requirements (Select two courses in addition to any taken in Area C.) (6)
 

|         |                                                                                           |
|---------|-------------------------------------------------------------------------------------------|
| AH 1700 | Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)           |
| AH 1750 | Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3) |
| AH 1850 | Survey of Art III. Art of Africa, Oceania, and the Americas (3)                           |

### Area G: Major Courses (60)

Major Courses requirements for each of the areas of concentration in studio art are listed below. B.F.A. degree requirements for each of the major areas of concentration in studio art are listed below.

### Drawing, Painting, and Printmaking Concentration

The following courses are required in Area G for students who are accepted into the drawing, painting, and printmaking concentration. Art 4980, Special Problems (1-6), may be used to adjust program in order to meet the 60-hour requirement. Consent of departmental adviser and instructor required.

1. Concentration Core Requirements (11)
 

|          |                                 |
|----------|---------------------------------|
| DP 3020  | Life Drawing (3)                |
| DP 3100  | Drawing and Composition (4)     |
| Prt 3000 | Introduction to Printmaking (4) |
2. Art Electives (3-8)
 

One or two 3000/4000-level studio courses outside drawing, painting, and printmaking. Drawing and printing emphasis requires one, and printmaking emphasis requires two.
3. Art History Elective. Select one course. (3-4)
 

|          |                                                   |
|----------|---------------------------------------------------|
| AH 4610  | Twentieth-Century Modernism and Postmodernism (3) |
| AH 4700  | Contemporary Art: Theory and Criticism (3)        |
| Art 4900 | Critical Issues in Contemporary Art (4)           |
4. Art History Elective: any 4000-level art history course (3)
5. Areas of Emphasis
 

Students must elect to follow the drawing and painting emphasis or the printmaking emphasis. Each program of study is described below.

**a. Drawing and Painting Emphasis Requirements (37-38)**

The following courses are required in Area G for students who are accepted into the drawing and painting emphasis.

|         |                                             |
|---------|---------------------------------------------|
| DP 3200 | Painting with Water-Based Media (4)         |
| DP 3300 | Painting with Oil-Based Media (4)           |
| DP 4000 | Selected Topics in Drawing and Painting (8) |
| DP 4500 | Directed Study in Drawing and Painting (12) |
| DP 4940 | Portfolio I (3)                             |
| DP 4950 | Portfolio II (3)                            |

Select one course from below (3-4):

|          |                                               |
|----------|-----------------------------------------------|
| Prt 3250 | Screen Print and Experimental Printmaking (4) |
| Prt 3350 | Monoprinting (3)                              |
| Prt 3450 | Applied Papermaking (3)                       |
| Prt 3550 | Book Arts (3)                                 |

**b. Printmaking Emphasis Requirements (35-36)**

The following courses are required in Area G for students who are accepted into the printmaking emphasis.

|          |                                               |
|----------|-----------------------------------------------|
| Prt 3150 | Intaglio/Etching and Lithography (4)          |
| Prt 3250 | Screen Print and Experimental Printmaking (4) |
| Prt 4000 | Selected Topics in Printmaking (4-8)          |
| Prt 4500 | Directed Study in Printmaking (8-12)          |
| Prt 4940 | Portfolio I (3)                               |
| Prt 4950 | Portfolio II (3)                              |

Select one course from below (3)

|          |                         |
|----------|-------------------------|
| Prt 3350 | Monoprinting (3)        |
| Prt 3450 | Applied Papermaking (3) |
| Prt 3550 | Book Arts (3)           |

Select one course from below (4)

|         |                                     |
|---------|-------------------------------------|
| DP 3200 | Painting with Water-Based Media (4) |
| DP 3300 | Painting with Oil-Based Media (4)   |

**Graphic Design Concentration**

The following courses are required in Area G for students who wish to pursue the Graphic Design concentration.

Graphic design courses should be taken in the order listed below. Graphic design course work should begin fall semester of the sophomore year. Additional information about the graphic design program is available in the School of Art and Design. Prospective majors should also attend the graphic design program orientation offered once each semester on Review Day. Students who are not enrolled in graphic design courses for more than one semester, during the junior or senior sequences, are required to resubmit an entrance portfolio for review and acceptance.

**1. Sophomore Requirements (9)**

Sophomore Level (Fall) (6)

|          |                                    |
|----------|------------------------------------|
| GrD 3000 | Introduction to Graphic Design (3) |
| GrD 3150 | Introduction to Typography (3)     |

Enroll in 3150 concurrently with either 3000 (fall) or 3200 (spring).

Sophomore Level (Spring) (3)

|          |                                 |
|----------|---------------------------------|
| GrD 3200 | Intermediate Graphic Design (3) |
|----------|---------------------------------|

**2. BFA Entrance Review****3. Upper Level Requirements (42)**

Junior Level (Fall) (12)

|          |                                 |
|----------|---------------------------------|
| GrD 4020 | Advanced Typographic Design (3) |
| GrD 4100 | Print and Editorial Design (3)  |
| GrD 4310 | Multimedia Design (3)           |
| GrD 4910 | History of Graphic Design (4)   |

Junior Level (Spring) (12)

|          |                                              |
|----------|----------------------------------------------|
| GrD 4150 | Collateral Design for Print Applications (3) |
| GrD 4250 | Graphic Design in Popular Culture (3)        |
| GrD 4300 | Internship in Graphic Design (3)             |
| GrD 4400 | Design for Film and Television (3)           |

Senior Level (Fall) (9)

|          |                                        |
|----------|----------------------------------------|
| GrD 4200 | Corporate Identity Design (3)          |
| GrD 4350 | Graphic Design through Advertising (3) |

- GrD 4450 Professional Practices in Graphic Design (3)
- Senior Level (Spring) (9)
- GrD 4550 Specialized Applications of Graphic Design (3)
- GrD 4600 Senior Workshop in Graphic Design (3)
- GrD 4950 Graphic Design Portfolio (3)
- 4. Select two electives (6-8)
  - GrD 3300 Illustration: Concepts through Images (3)
  - Phot 3000 Photography I (3)
  - Phot 3100 Photography II (4)
  - Prt 3250 Screen Print and Experimental Printmaking (4)
  - Prt 3550 Book Arts (3)
  - CSc 4840 Computer Graphics Imaging (3)
  - CSc 4841 Computer Animation (3)
- 5. Select one AH 4000-level Art History (3)
- 6. Senior Portfolio Review  
Senior Exhibition

### Interior Design Concentration

The following courses are required in Area G for students who wish to pursue the Interior Design concentration. Students should consult with an adviser for the sequence of courses to be taken. Interior Design course work should begin fall semester of the sophomore year. Additional information about the interior design program is available in the School of Art and Design. Prospective majors should also attend an interior design orientation/group advisement offered once each semester. Art 4980, Special Problems (1-6), may be used to adjust program in order to meet the 60-hour requirement. Consent of departmental adviser and instructor required.

Students pursuing a degree in Interior Design are advised that the educational requirements vary in each state regarding the profession of interior designer.

- 1. Area A Concentration Requirements prior to Portfolio Review for acceptance into Interior Design concentration (3).
  - Math 1111 College Algebra (3)
- 2. Area D Concentration Requirements prior to Portfolio Review for acceptance into Interior Design concentration (8).
  - Phys 1111K Introduction to Physics I (4) and
  - Phys 1112K Introduction to Physics II (4)
- 3. Area G Concentration Requirements prior to Portfolio Review for acceptance into Interior Design concentration (9).
  - ID 3000 Architectural Drawing I: Drafting (3)
  - ID 3300 Interior Design I: Theory (3)
  - ID 4600 History of Interior Design I: Antiquities to the Nineteenth Century (3)
- 4. BFA Entrance Portfolio Review
- 5. Area G Concentration Requirements for accepted Interior Design majors (45)
  - ID 3100 Architectural Drawing II: Presentation (3)
  - ID 3350 Interior Design IV: Materials (3)
  - ID 3500 Interior Design III: Spatial Organization (3)
  - ID 3600 Building Systems and Codes (2)
  - ID 4000 Interior Design: Selected Topics (3)
  - ID 4100 Lighting Design (2)
  - ID 4200 Residential Design I (3)
  - ID 4210 Residential Design II (3)
  - ID 4250 Architectural Drawing III: Computer Aided Drafting and Design (2)
  - ID 4300 Commercial Design I (3)
  - ID 4310 Commercial Design II (3)
  - ID 4350 Architectural Drawing IV: Three-Dimensional Computer Aided Drafting and Design (2)
  - ID 4400 Architectural Drawing V: Working Drawings (3)
  - ID 4500 Directed Study (3)
  - ID 4700 History of Interior Design II: Nineteenth Century to Present (3)
  - ID 4800 Professional Practice (2)
  - ID 4940 Interior Design Portfolio I (2)
  - ID 4950 Interior Design Portfolio II (3)
- 6. Art Electives (required):
  - Art History (4000 level) (3)

7. Advanced Studio/Internship Electives: Interior design studios listed below are recommended and may be repeated for a maximum of six credit hours (3-6).
 

|          |                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------|
| ID 4000  | Interior Design: Selected Topics (3-6)                                                                                               |
| ID 4500  | Directed Study (3-6)                                                                                                                 |
| ID 4930  | Interior Design Internship (3-6) Note: ID 4930 qualifies for academic credit only after completion of ID 4200, 4210, 4300, and 4310. |
| Art 4980 | Special Problems (3-6)                                                                                                               |

### Photography Concentration

The following courses are required in Area G for students who are accepted into the Photography concentration. Art 4980, Special Problems (1-6), may be used to adjust program in order to meet the 60-hour requirement. Consent of departmental adviser and instructor required.

1. Concentration Requirements (36-40)
 

|           |                                     |
|-----------|-------------------------------------|
| Phot 3000 | Photography I (3)                   |
| Phot 3010 | Photography II (4)                  |
| Phot 3100 | Alternative Processes (4)           |
| Phot 4100 | Color Photography (4)               |
| Phot 4300 | Studio Photography (4)              |
| Phot 4420 | Digital Photography (4)             |
| Phot 4500 | Directed Study in Photography (4-8) |
| Phot 4910 | History of Photography (3)          |
| Phot 4940 | Portfolio I (3)                     |
| Phot 4950 | Portfolio II (3)                    |
2. Select one art history course at the 4000 level (consult department adviser). (3)
3. Select three or four studio courses at the 3000/4000 level equaling 12 hours (consult department adviser) (12).  
Recommended courses:
 

|           |                                   |
|-----------|-----------------------------------|
| Phot 4410 | Creative Process and Practice (3) |
| Phot 4430 | Digital Video for Artists (4)     |
| Phot 4930 | Internship in Photography (4)     |
| Phot 4980 | Special Problems (4)              |
| Prt 3550  | Book Arts (3)                     |
4. Art 4900 Critical Issues in Contemporary Art (4)

### Textiles Concentration

The following courses are required in Area G for students who are accepted into the Textiles concentration. Art 4980, Special Problems (1-6), may be used to adjust program in order to meet the 60-hour requirement. Consent of departmental adviser and instructor required.

1. Concentration Requirements (43)
 

|           |                                                                               |
|-----------|-------------------------------------------------------------------------------|
| Text 3000 | Fibers, Colors, Dyes, and Dyeing (3)                                          |
| Text 3100 | Surface Design I (3)                                                          |
| Text 3200 | Weaving I (3)                                                                 |
| Text 4100 | Surface Design II (4)                                                         |
| Text 4200 | Weaving II (4)                                                                |
| Text 4300 | Heat Transfer Printing: Three-Dimensional Patterning on Synthetic Fabrics (4) |
| Text 4500 | Directed Study in Textile Design (4)                                          |
| Text 4600 | Digital Textile Design (4)                                                    |
| Text 4910 | Historic Textiles (4)                                                         |
| Text 4940 | Portfolio I (3)                                                               |
| Text 4950 | Portfolio II (3)                                                              |
2. Textiles Elective: Select one course (3-4)
 

|           |                                        |
|-----------|----------------------------------------|
| Text 3300 | Three-dimensional Fiber Structures (3) |
| Text 4500 | Directed Study in Textile Design (4)   |
| Text 4930 | Internship in Textile Design (3)       |
| Text 4980 | Special Problems (4)                   |
3. Select one 3000/4000-level studio (3-4)
 

|          |                                                     |
|----------|-----------------------------------------------------|
| ID 3400  | Interior Design II: Elements of Interior Design (3) |
| Prt 3150 | Intaglio/Etching and Lithography (4)                |



- Prt 3250 Screen Print and Experimental Printmaking (4)
- Scul 3000 Sculpture I (3)
- Text 3300 Three-Dimensional Fiber Structures (3)
- 4. Select two art history 4000-level electives. (6-7)
  - Art 4900 Critical Issues in Contemporary Art (4)
  - ID 4600 History of Interior Design I: Antiquities to the Nineteenth Century (3)
  - ID 4700 History of Interior Design II: Nineteenth Century to Present (3)

### Three-Dimensional Studies Concentration (emphasis in Sculpture or Ceramics)

The following courses are required in Area G for students who are accepted into three-dimensional studies concentration, which includes sculpture and ceramics.

1. Concentration Core Requirements (9)
  - Cer 3000 Hand Building I (3)
  - Scul 3000 Sculpture I (3)
  - Cer 3100 or Scul 3100, depending on emphasis (3)
2. Two-Dimensional Studio Electives (3-8). Depending on the emphasis, select one or two 3000/4000-level courses from the following disciplines.
  - Drawing and Painting (DP)
  - Printmaking (Prt)
  - Photography (Phot)
  - Interior Design (ID 3000 only)
  - Textiles (Text 3100, 3200, 4100, 4200 only)
3. Three Dimensional Studio Electives (6-8)
  - Ceramics (Cer)
  - Sculpture (Scul)
4. Art History Electives (6-8)
  - Select any two 4000-level art history courses or
  - AH 4700 Contemporary Art: Theory and Criticism (3)
  - Art 4900 Critical Issues in Contemporary Art (4)
  - Cer 4910 History of Ceramics (4)
  - Cer 4920 Contemporary Ceramic History (3)
5. Areas of Emphasis
 

Students must elect to follow an emphasis in Ceramics or Sculpture. Each program of study is described below. Art 4980, Special Problems (1-6), may be used to adjust program in order to meet the 60-hour requirement. Consent of departmental adviser and instructor required.

  - a. Ceramics Emphasis Requirements (30)
    - Cer 4100 Wheel Throwing II (4)
    - Cer 4200 Forms and Surface Instruction (4)
    - Cer 4300 Ceramic Materials (4)
    - Cer 4500 Directed Studies in Ceramics (8)
    - Cer 4600 Ceramic Sculpture (4)
    - Cer 4940 Portfolio I (3) Consult with Faculty Adviser
    - Cer 4950 Portfolio II (3) Consult with Faculty Adviser

Studio Elective: Select one (3-4)

    - Cer 4000 Selected Topics in Ceramics (3)
    - Cer 4930 Internship in Ceramics (4)
    - Cer 4980 Special Problems (4)
  - b. Sculpture Emphasis Requirements (33)
    - Scul 3200 Figure Studies in Sculpture (3)
    - Scul 4000 Selected Topics in Sculpture (4)
    - Scul 4500 Directed Studies in Sculpture (20)
    - Scul 4940 Portfolio I (3)
    - Scul 4950 Portfolio II (3)

### Area H: Minor and Additional Courses

Students seeking a B.F.A. may not seek a minor due to the focused nature of the B.F.A. degree.

## Senior Portfolio Review and Exhibition

Recommendation for graduation with a B.F.A. degree in a studio area requires the presentation of a body of work. This includes work completed as part of portfolio courses. For more details on enrolling for portfolio courses, students should obtain a Senior Portfolio Review form from the School of Art & Design office and consult with an adviser in their major area of concentration about forming a Senior Portfolio Review Committee. B.F.A candidates who successfully complete portfolio course 4950 are required to participate in the B.F.A Senior Group Exhibition held at the end of each semester.

## Minor in Art History; Drawing, Painting, and Printmaking; Photography; Textiles; and Three Dimensional Studies

Students not majoring in art may take a minor in art history; drawing, painting, and printmaking; photography; textiles; or three-dimensional studies. They must take 18 hours of courses in the designated minor, at least 9 of which must be at the 3000 level or above. Prerequisites apply. Specific descriptions of each minor option are available from the School of Art and Design. A grade of C or higher is required in all courses counting toward the minor.

# 3140 Arts Administration - Speech and Theatre

## Programs Offered:

### B.I.S. with a Concentration in Arts Administration—Speech and Theatre

The purpose of this program is to provide a broad-based knowledge of the fine arts and business in order to prepare students for managerial positions in the fine arts areas. This program should allow the student with an interest in the arts to develop widely marketable skills. Please contact the Department of Communication at 404/651-3200 or faculty advisement in the program.

## Program Admission

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

## Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.I.S. with a Concentration in Arts Administration—Speech and Theatre

#### Area F: Courses Appropriate to the Major (18)

1. Required Course (3)  
Thea 2210      Acting I
2. Required Course (3)  
Spch 1500      Public Speaking
3. Required Course (3)  
Jour 1000      Introduction to Mass Communication
4. Required Course (3)  
Acct 2101      Principles of Accounting I
5. Select two courses (6)  
AH 1700      Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)  
AH 1750      Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3)  
AH 1850      Survey of Art III. Art of Africa, Oceania, and the Americas (3)

#### Area G: Area of Concentration—Speech and Theatre (27)

1. Required Course (3)  
Spch 2650      Interpersonal Communication
2. Required Course (3)  
MuA 3930      Music, Society, and Culture
3. Select one Art History course at the 4000 level.

4. Select five additional courses at the 3000/4000 level in Speech and Theatre for which the prerequisite has been met. No more than 12 hours from one discipline.
5. Students must complete level 1002 of a language.

**Area H: Allied Field (21)**

1. Required Courses (9)
 

|           |                                   |
|-----------|-----------------------------------|
| Jour 3500 | Public Relations                  |
| Mgs 3400  | Managing People in Organizations  |
| BusA 2106 | The Legal Environment of Business |
2. Required Courses (6)
 

|         |                 |
|---------|-----------------|
| Mk 3010 | Basic Marketing |
| Mk 4300 | Advertising     |
2. Select two courses (6)
 

|         |                       |
|---------|-----------------------|
| Mk 4100 | Buyer Behavior        |
| Mk 4310 | Advertising Campaigns |
| Mk 4330 | Principles of Selling |

**Area J: Electives**

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation.

## 3150 Asian Studies

**Programs Offered:****Bachelor of Interdisciplinary Studies with a Concentration in Asian Studies**

The program in Asian Studies provides students an opportunity to acquire a career-oriented range of skills and knowledge of this important and unique region by choosing from a large number of courses offered at Georgia State in a range of departments.

The faculty advisers for this program are Dr. Yuki Takatori (mclyyt@langate.gsu.edu), Modern and Classical Languages, and Dr. Douglas Reynolds, History (dreynolds@gsu.edu).

**Program Admission**

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

**Program Degree Requirements**

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program. Requirements follow a student's catalog edition (year when BIS major was approved).

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

**B.I.S. with a Concentration in Asian Studies****Areas A-E: Core Curriculum Recommendations**

1. Area C: Chin 1002-2002 or Japn 1002-2002 (recommended-only if not counting in Area F)
2. Area D: Geog 1112-1113 Introduction to Weather and Climate/Introduction to Landforms (recommended)
3. Area E: Hist 1111, 1112 World History before/after 1500; PolS 2401 Global Issues (recommended)

**Area F: Courses Appropriate to the Major (18)**

1. Required Language: Choose either Japanese or Chinese
 

|                                              |
|----------------------------------------------|
| Chin 1001-2002 ("C" or higher required) (12) |
| Japn 1001-2002 ("C" or higher required) (12) |
2. Select additional courses to reach 18 hours in area:
 

|                                                                                              |
|----------------------------------------------------------------------------------------------|
| Acct 2101, Acct 2102, AL 2101, AL 2102, Anth 2020, Geog 1101, Econ 2105, Econ 2106, Wst 2010 |
|----------------------------------------------------------------------------------------------|

**Area G: Area of Concentration (27-33)**

1. Required Language Courses (Chinese or Japanese) (6)
  - Japn 3001\*      Advanced Japanese I (3)
  - Japn 3002\*      Advanced Japanese II (3)

\*Students taking Chinese should consult the faculty adviser for substitutions for these courses.
2. Comprehensive Electives 21-27 hours (No more than 12 hours from any one department. Select from the courses below or other appropriate courses in consultation with the faculty adviser.)
  - AL 3031\*      Language in Society (3) [\* this course has a prerequisite of AL 3021-Intro to Linguistics]
  - Geog 4406      Advanced Regional Geography (4) (if Asia)
  - Hist 3700      China and Japan to 1600 (4)
  - Hist 3710      China and Japan since 1600 (4)
  - Hist 3800      South Asia to 1757 (4)
  - Hist 3810      South Asia since 1757 (4)
  - Hist 4235      Histories of the Pacific (4)
  - Hist 4890      Topics in World History (3-4) (if Asia)
  - Japn 3081      Japanese Language and Society (3)
  - Phil/RelS 4610      Hinduism (3)
  - Phil/RelS 4615      Buddhism (3)
  - Phil/RelS 4620      Confucianism and Taoism (3)
  - Phil/RelS 4625      Zen and Shinto (3)
  - PolS 4255      Politics and Political Economy of East Asia (3)
  - PolS 4256      Politics and Political Economy of Japan (3)
  - PolS 4258      Government and Politics of South Asia (3)
  - RelS 4612      Bhagavad Gita, Yogasutra, and Other Hindu Texts (3)
  - RelS 4628      Topics in Asian Religion (3)

#### **Area H: Allied Fields (choose one) (15-21)**

1. International Business Practices
  - BusA 3000\*      Globalization and Business Practice (3)
  - Econ 4800      International Trade (3)
  - Econ 4810      International Finance (3)
  - FI 3300\*      Corporation Finance (3)
  - IB 3090      Introduction to International Business (3)
  - Mgs 3400\*      Managing People in Organizations (3)
  - Mk 3010\*      Basic Marketing (3)

\*These courses are prerequisites for the Master in International Business (M.I.B.)
2. Language Studies
  - AL/ForL 3021      Introduction to Linguistics (3)
  - AL/ForL 3031\*      Language in Society (3)
  - AL/ForL 3041\*      Introduction to Second Language Acquisition (3)
  - AL/ForL 4011\*      Phonetics and Phonology (3)
  - AL/ForL 4012\*      Morphology and Syntax (3)
  - AL/ForL 4131\*      Bilingualism (3)
  - AL/ForL 4151\*      Culture and Language Learning (3)
  - Phil 4530      Philosophy of Language (3)

3000-level Japanese courses not used in the Area of Concentration  
 \*AL/ForL 3021 is a prerequisite for these courses
3. Society and Culture (No more than two courses from any one department)
  - Hist 4225      Immigration and Ethnicity in U.S. History (4)
  - Hist 4590      Russia to 1861(4) (much on Mongols, Central Asian peoples)
  - Hist 4820      Cross-Cultural Encounters in World History (4)
  - Jour 4650      International Communication (3)
  - Phil/RelS 4650      Religion and Ethics (3)
  - Phil/RelS 4680      War, Peace, and Religion (3)
  - PolS 3200      Comparative Politics (3)
  - PolS 3400      International Politics (3)
  - PolS 4285      Politics and Religion in Comparative Perspective (3) (if Asia)

|           |                                         |
|-----------|-----------------------------------------|
| PolS 4290 | Studies in Comparative Politics (3)     |
| RelS 3270 | World Religions (3)                     |
| RelS 4270 | Women and Religion (3)                  |
| RelS 4290 | Pilgrimage (3)                          |
| Soci 3201 | Wealth, Power, and Inequality (3)       |
| Soci 3208 | Work and Employment (3)                 |
| Soci 3212 | Race and Ethnic Relations (3)           |
| Soci 3214 | American Racial-Ethnic Groups (3)       |
| Soci 3340 | Population Problems (3)                 |
| Soci 3354 | Sociology of Popular Culture (3)        |
| Soci 4360 | Religion and Society (3)                |
| Wst 4210  | Women in Cross-Cultural Perspective (3) |

4. Japanese Language Minor\*\*

Students who wish to minor in Japanese language must take 15-18 hours in Japanese, all at the 3000 level or above. Japanese courses counting in area F and the area of concentration cannot also count in the minor. A grade of C or higher is required in all courses counting toward the minor.

|            |                                     |
|------------|-------------------------------------|
| Japn 3010  | Pronunciation Clinic (1)            |
| Japn 3011  | Advanced Japanese III (3)           |
| Japn 3012* | Advanced Japanese IV (3)            |
| Japn 3013  | Intensive Grammar Review (3)        |
| Japn 3081  | Japanese Language and Society (3)   |
| Japn 3082  | Reading and Writing in Japanese (3) |
| Japn 3084  | Business Japanese (3)               |

\*Japn 3012 is required.

\*\*Related courses not yet available at Georgia State University are offered at Emory and Georgia Tech; such courses may be considered for a limited number of credits.

### Area I: Electives

Electives are used to have 39 hours at Georgia State University taken at the 3000-4000 level for residency and complete 120 hours required for graduation.

### Area J: Study Abroad/International Student Exchange Programs

Students are strongly recommended to consider a semester study abroad. Please contact Dr. Yuki Takatori or Dr. Kim D. Reimann (polkdr@langate.gsu.edu) for information concerning International Student Exchange Programs with Japan and Korea. For general information about study abroad in different countries of Asia, contact Leigh Essex Walker, Study Abroad Coordinator for the Office of International Affairs (404/463-9411, leighwalker@gsu.edu).

## 3160 Astronomy

### Programs Offered:

#### Bachelor of Science in Physics with a Concentration in Astronomy

Department of Physics and Astronomy  
400 Science Annex  
404/651-2279  
<http://www.Phy-Astr.gsu.edu>  
H. Richard Miller, Chair  
David Wingert, Undergraduate Director  
Brian Thoms, Undergraduate Director

The Astronomy program at Georgia State University is integrated with the Physics program. For information on the B.S. in Physics with a Concentration in Astronomy, see section 3440.

# 3170 Biology

## Programs Offered:

### Bachelor of Science in Biology

**General Biology Studies (no concentration)**

**Concentration in Microbiology**

**Concentration in Molecular Genetics and Cell Biology**

**Concentration in Neurobiology and Behavior**

**Concentration in Preprofessional Programs/Physiology**

### Minor in Biology

Department of Biology

402 Kell Hall

404/651-2259

<http://biology.gsu.edu>

Phang C. Tai, Chair

Teryl Frey, Associate Chair

Barbara Baumstark, Director of Instructional Programs

Therese Poole, Undergraduate Director

Kathy Rockwell, Undergraduate Coordinator

Biology, the science of life and life processes, includes the study of structure, function, growth, development, reproduction, origin, evolution, and distribution of living organisms.

A degree in biology provides students with a variety of career opportunities. Potential careers range from applied or basic laboratory research and field studies in numerous state and federal organizations and industry, to education in public and private school systems. Furthermore, the degree provides the ideal preparation for entry into medical, dental, and veterinary schools and other health-related professions. Finally, a bachelor's degree in biology provides a good foundation for advanced studies at the M.S. or Ph.D. level in biological sciences.

As an alternative to the General Biology Studies program (and in addition to the core degree requirements), courses in one of several areas of concentration, listed below, are available. Interdisciplinary programs with other departments/schools/institutes (such as Behavioral Biology or Environmental Science) are also an option. To plan the major according to the particular needs and goals, students should consult the "Undergraduate Program" area of the Biology Department Website ([biology.gsu.edu](http://biology.gsu.edu)) for information about the major. For advisement questions, students should contact the Undergraduate Coordinator (404/651-3136) who will help connect them with an appropriate faculty advisor.

## Program Degree Requirements

Alternatives are available for some requirements in Areas A-F. Please see a degree program adviser for specific guidelines.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.S. in Biology

### Areas A-E: Core Curriculum Recommendations

1. Required course:  
Math 1113      Precalculus (or any higher level mathematics course) (3)
2. Recommended course:  
Phil 1010      Critical Thinking (2)
3. Laboratory Science Sequence (8)  
Recommended courses:  
Phys 1111K      Introduction to Physics I (4) and  
Phys 1112K      Introduction to Physics II (4) or  
Phys 2211K      Principles of Physics I (4) and  
Phys 2212K      Principles of Physics II (4)
4. Math. (3) Any one math not taken in area A from the following choices: Math 1070, 1220, 2211, 2212 (or any higher-level math). For any four credit-hour course, three credit hours are applied to Area D, and one credit hour is applied to area F.

### Area F: Courses Appropriate to the Major Field (18)



1. Required Courses (16)
  - Biol 2107K Principles of Biology I (4)\*\*
  - Biol 2108K Principles of Biology II (4)\*\*\*
  - Chem 1211K Principles of Chemistry I (4)
  - Chem 1212K Principles of Chemistry II (4)
2. Select one from the following (2):
  - Biol 2220 Introduction to Research in Biology and Medicine (2)
  - Biol 2240 Human Physiology (3)
  - Biol 2300 Microbiology and Public Health (3)
  - Biol 2430 Frontiers in Biotechnology (2)
  - Biol 2500 Neurobiology and Behavior (2)
  - Biol 2800 Introduction to Molecular Biology (2)

\*\* Students who decide to major in biology after completing Biol 1107K may use Biol 1107K for credit toward Area F if they complete Biol 2108K and Biol 2800 before enrolling in major courses (Area G)

\*\*\* Students who decide to major in biology after completing Biol 1107K and Biol 1108K may use these courses for credit toward Area F if they complete Biol 2800 before enrolling in major courses (Area G).

### **Area G: Major Courses (39)**

A grade of C or higher is required in all Area G and Area H courses

1. Major Core Requirements (14)
  - Biol 3800 Molecular Cell Biology (3)
  - Biol 3810 Molecular Cell Biology Laboratory (2)
  - Biol 3840 Animal Biology (3)
  - Biol 3880 Microbiology (3)
  - Biol 3900 Genetics (3)
2. Choose one of the following labs: (1) \*
  - Biol 3250 Human Physiology Laboratory (1)
  - Biol 3830 Plant Biology Laboratory (1)
  - Biol 3850 Animal Biology Laboratory (1)
  - Biol 3890 Microbiology Laboratory (1)
  - Biol 3910 Genetics Laboratory (1)

\* Students should consult with their adviser regarding the laboratory most appropriate to their course of study. Additional laboratories may be appropriate and the credit applied to item 4 below.
3. At least one credit hour of Biol 4960, Biology Careers Seminar (1), or Biol 4970, Biology Seminar (1). It is recommended that the student take Biol 4960 or 4970 early in his or her course of study for career advisement.
4. Additional biology courses at the 3000-4000 level and biology credit hours transferred from Area H (23).

### **Neurobiology and Behavior Concentration**

#### **Recommended: Area F2**

Biol 2500 Neurobiology and Behavior (2)

#### **Recommended: Area G2**

Biol 3850 Animal Biology Laboratory (1)

#### **Required: Area G4**

Biol 4102 Fundamentals of Neurobiology (4)

**and**

Choose 19 hours of the following (3-5 credit hours each):

- Biol 4014K Invertebrate Biology (4)
- Biol 4015K Vertebrate Biology (4)
- Biol 4045K General Ecology (4)
- Biol 4053K Field Ecology (4)
- Biol 4074 Developmental Biology (4)
- Biol 4094 Developmental Neurobiology (4)
- Biol 4114 Neural Mechanisms of Regulatory Behavior (4)
- Biol 4115 Medical Neuroanatomy (4)
- Biol 4130 Sensation and Perception (3)
- Biol 4180 Neurobiology Laboratory (4)

|           |                                                                                            |
|-----------|--------------------------------------------------------------------------------------------|
| Biol 4240 | Endocrinology (4)                                                                          |
| Biol 4242 | Circadian Rhythms (4)                                                                      |
| Biol 4241 | Hormones and Behavior (4)                                                                  |
| Biol 4246 | Advanced Human Physiology (4)                                                              |
| Biol 4248 | Cell Physiology (4)                                                                        |
| Biol 4600 | Evolutionary Biology (4)                                                                   |
| Biol 4630 | Enzymology (3)                                                                             |
| Biol 4800 | Principles of Cell Biology (4)                                                             |
| Biol 4910 | Undergraduate Research in Biology (1-5), on a subject related to Neurobiology and Behavior |
| Biol 4930 | Topics in Biology (3-4)                                                                    |

**Recommended Area H:**

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Biol 4744 | Biostatistics (3)                                         |
| Phil 4130 | Philosophy of Science (3)                                 |
| Phil 4740 | Advanced Biomedical Ethics (3)                            |
| Phys 3500 | Electronics (3)                                           |
| Psyc 3010 | Psychological Statistics (4)                              |
| Psyc 3030 | Principles and Methods of Psychological Investigation (4) |
| Psyc 3140 | Abnormal Psychology (3)                                   |
| Psyc 4100 | Cognitive Psychology (3)                                  |
| Psyc 4110 | Physiological Psychology (3)                              |
| Psyc 4120 | Learning (3)                                              |
| Psyc 4130 | Sensation and Perception (3)                              |
| Psyc 4140 | Introduction to Psychophysiology (4)                      |
| Psyc 4590 | Neurobiology (3)                                          |
| Psyc 4630 | Hormones and Behavior (4)                                 |

**Microbiology Concentration****Recommended: Area F2**

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Biol 2220 | Introduction to Research in Biology and Medicine (2) <b>or</b> |
| Biol 2300 | Microbiology and Public Health (3)                             |

**Recommended: Area G2**

|           |                             |
|-----------|-----------------------------|
| Biol 3890 | Microbiology Laboratory (1) |
|-----------|-----------------------------|

**Required: Area G4**

All of the following courses are required (16):

|           |                                         |
|-----------|-----------------------------------------|
| Biol 4428 | Medical Microbiology (4)                |
| Biol 4430 | Microbial Diversity and Systematics (4) |
| Biol 4458 | Microbial Ecology and Metabolism (4)    |
| Biol 4481 | Mycology (4) <b>or</b>                  |
| Biol 4575 | Virology (4)                            |

**and**

Choose two of the following (8-9)

|           |                                                                               |
|-----------|-------------------------------------------------------------------------------|
| Biol 4278 | Immunology (4)                                                                |
| Biol 4484 | Laboratory Techniques in Applied and Environmental Microbiology (4)           |
| Biol 4580 | Microbial Pathogenesis (4)                                                    |
| Biol 4595 | Microbial Physiology and Genetics (4)                                         |
| Biol 4696 | Laboratory in Molecular Biological Techniques (4)                             |
| Biol 4910 | Undergraduate Research in Biology (1-5), on a subject related to microbiology |
| Biol 4930 | Topics in Biology (3-4)                                                       |

**Molecular Genetics and Cell Biology Concentration****Recommended: Area F2**

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Biol 2220 | Introduction to Research in Biology and Medicine (2) <b>or</b> |
| Biol 2430 | Frontiers in Biotechnology (2) <b>or</b>                       |
| Biol 2800 | Introduction to Molecular Biology (2)                          |

**Required: Area G4**

All of the following courses are required (9)

|           |                                                        |
|-----------|--------------------------------------------------------|
| Biol 3910 | Genetics Laboratory (1)—can be used to satisfy Area G2 |
| Biol 4564 | Advanced Genetics (4)                                  |

Biol 4800 Principles of Cell Biology (4)

**and**

Choose 14 hours (15 if Biol 3910 is used in G2) from the following:

Biol 4074 Developmental Biology (4)

Biol 4248 Cell Physiology (4)

Biol 4278 Immunology (4)

Biol 4500 Human Genetics (4)

Biol 4575 Virology (4)

Biol 4580 Microbial Pathogenesis (4)

Biol 4595 Microbial Physiology and Genetics (4)

Biol 4630 Enzymology (4)

Biol 4685 Functional Histology (4)

Biol 4696 Laboratory in Molecular Biological Techniques (4)

Biol 4744 Biostatistics (3)

Biol 4910 Undergraduate Research in Biology (1-5), on a topic related to molecular genetics and cell biology

Biol 4930 Topics in Biology (3-4)

### **Preprofessional/Physiology Concentration**

#### **Recommended: Area F2**

Biol 2220 Introduction to Research in Biology and Medicine (2) **or**

Biol 2300 Microbiology and Public Health (3)

#### **Required: Area G4**

All of the following courses are required (12)

Biol 3240 Human Physiology (3)

Biol 3250 Human Physiology Laboratory (1)

Biol 4240 Endocrinology (4)

Biol 4246 Advanced Human Physiology (4)

**and**

Choose three of the following (11-12)

Biol 4074 Developmental Biology (4)

Biol 4094 Developmental Neurobiology (4)

Biol 4102 Fundamentals of Neurobiology (4)

Biol 4115 Medical Neuroanatomy (4)

Biol 4130 Sensation and Perception (3)

Biol 4248 Cell Physiology (4)

Biol 4278 Immunology (4)

Biol 4428 Medical Microbiology (4)

Biol 4500 Human Genetics (4)

Biol 4575 Virology (4)

Biol 4580 Microbial Pathogenesis (4)

Biol 4685 Functional Histology (4)

Biol 4744 Biostatistics (3)

Biol 4800 Principles of Cell Biology (4)

Biol 4910 Undergraduate Research in Biology (1-5)

Biol 4930 Topics in Biology (3-4)

### **Area H: Minor and Additional Courses (21)**

Students majoring in biology are required to complete the following:

#### **1. Required courses (13)**

Chem 2400 Organic Chemistry I (4)

Chem 3410 Organic Chemistry II (4)

Chem 4600 Biochemistry I (5)

Chem 3100 and 3110 are also required by most professional programs.

#### **2. Select one two-course physics sequence (8) \***

Phys 1111K Introduction to Physics I (4) and

Phys 1112K Introduction to Physics II (4) or

Phys 2211K Principles of Physics I (4) and

Phys 2212K Principles of Physics II (4)

\* Two semesters of physics are required for biology majors. If the physics sequence is used to fulfill the Area D requirement, then students should select courses from the list in section (3) to complete this eight semester hour requirement.

3. Select additional biology courses at the 3000 level or above or courses from this list:
 

|           |                                     |
|-----------|-------------------------------------|
| Chem 3100 | Organic Chemistry Laboratory I (2)  |
| Chem 3110 | Organic Chemistry Laboratory II (2) |
| Chem 4110 | Physical Chemistry I (3)            |
| Chem 4610 | Biochemistry II (3)                 |
| Geol 4017 | Environmental Geology (4)           |
| Math 1070 | Elementary Statistics (3)           |
| Math 2211 | Calculus of One Variable I (4)      |
| Math 2212 | Calculus of One Variable II (4)     |
| Math 2215 | Multivariate Calculus (4)           |
| Phil 4130 | Philosophy of Science (3)           |
| Phil 4740 | Advanced Biomedical Ethics (3)      |
| Phys 3500 | Electronics (3)                     |
| Psyc 3010 | Psychological Statistics (4)        |
| Psyc 3140 | Abnormal Psychology (3)             |
4. Students majoring in biology must take additional courses as electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses.

### **Graduation with Distinction**

At least five hours of Biol 4910 and a grade-point average of 3.5 in the major area are required for graduation with distinction.

### **Minor Offerings and Double Major in Biology**

Students who wish to minor in biology must take 15-18 hours in courses in biology, including at least nine hours at the 3000 level or above. Students are responsible for meeting all prerequisite requirements (such as Chem 1211K/1212K) for the biology courses they choose to take, and are strongly encouraged to take these prerequisites as early as possible in their academic career. Students taking more than 15 hours in courses in biology may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

### **Honors Program**

The department encourages qualified students to participate in the Honors Program (see “Honors Program” previously described or visit <http://www.gsu.edu/~wwwhon/>). The department sponsors a Biology Club and the Eta Psi chapter of Beta Beta Beta, the national honorary biological society. Interested students are encouraged to participate in these organizations.

### **Internships**

Internships with collaborating institutions and programs (including ZooAtlanta, the Georgia Aquarium and the Bio-Bus program) are available on a limited basis. Students interested in receiving course credit for an internship should consult with the Undergraduate Director or Undergraduate Coordinator for more information.

### **Undergraduate Research Programs**

Students are particularly encouraged to participate in the Undergraduate Research Program after completion of core requirements. Participation in an ongoing research activity provides the student with experience in experimental design and interpretation that is typically not available in routine laboratory courses. Students may enroll in Biol 4910 for a total of 10 hours. Interested students should consult the departmental brochure on faculty research interests and contact one or more faculty members for development of a specific project.

## **3180 Chemistry**

### **Programs Offered:**

**Bachelor of Science in Chemistry**

**Concentration in Pre-Medicine**

**Certification by the American Chemical Society**

**Minor in Chemistry**

Department of Chemistry

540 General Classroom Building  
404/651-3120

<http://chemistry.gsu.edu>

A. L. Baumstark, Chair

Dabney Dixon, Associate Chair

Paul J. Franklin, Director of Undergraduate Studies, Adviser

Chemistry deals with the nature of all substances and the changes that occur therein. It ranges from the study of the structure of atoms and molecules to that of the reactions occurring in living organisms. The study of chemistry can provide knowledge that will give students a greater understanding and appreciation of the world in which they live. In addition, knowledge of chemistry is a great asset in areas such as biology, physics, and health-related fields. It is a logical basis for pre-medical training.

Each student is urged to consult with a faculty adviser at the earliest possible time (even before the first semester) to outline a curriculum to meet his or her needs. A typical program of study for chemistry majors is outlined below. Although not required, several minors are possible for chemistry majors.

### Program Academic Regulations

A grade of C or higher is required for all major and minor courses.

### Program Degree Requirements

Alternatives are available to some core and major requirements. Please see a faculty adviser for specific guidelines.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### Chemistry Courses for Science Majors

Detailed descriptions of the objectives and prerequisites of each course are available in the Department of Chemistry. The student is urged to consult these descriptions if there is any doubt about requirements or qualifications. Laboratory courses and courses on principles are designed to be mutually reinforcing. The laboratory is the real basis for the science, but the lecture courses are designed to speed the learning process. The two parts are separated only to provide added flexibility in scheduling and to meet individual needs, particularly for transfer students. Great care should be exercised in scheduling one course without the other.

### Chemistry Courses for Non-Science Majors

Chemistry 1050, 1101K-1102K and 1151K-1152K are of primary interest to students in liberal arts, health sciences, education, business administration, and policy studies. Students in specific programs should consult with an adviser in their program to verify applicability of the above-named courses to their specific needs. These courses cannot be applied to a science degree program in the College of Arts and Sciences.

### B.S. in Chemistry

#### Areas A-E: Core Curriculum Recommendations

1. Required course:  
Math 1113      Precalculus (or a higher level mathematics course) (3)
  2. Recommended courses:  
Chem 1211K      Principles of Chemistry I (4)  
Chem 1212K      Principles of Chemistry II (4)
  3. Required course:  
Math 2211      Calculus of One Variable I (or a higher level mathematics course) (4) \*
- \* One credit hour will count in the second 60 hours beyond the core curriculum.

#### Area F: Courses Appropriate to the Major Field (18)

|            |                              |
|------------|------------------------------|
| Chem 1211K | General Chemistry I (4) **   |
| Chem 1212K | General Chemistry II (4) **  |
| Phys 2211K | Principles of Physics I (4)* |

|            |                                           |
|------------|-------------------------------------------|
| Phys 2212K | Principles of Physics II (4)*             |
| Chem 2010  | Introduction to Quantitative Analysis (2) |
| Chem 2400  | Organic Chemistry I (4)                   |
| Math 2212  | Calculus of One Variable II (4)           |

\* Phys 1111K and 1112K can be substituted if approved by the Department of Chemistry.

\*\* Chem 1211K and 1212K must be taken here unless already taken in Area D. If already taken in Area D, then take Phys 2211K and 2212K. Both Chem 1211K/1212K and Phys 2211K/2212K are required for graduation.

### Area G: Major Courses (30)

- Major Requirements (25)
 

|           |                                            |
|-----------|--------------------------------------------|
| Chem 3100 | Organic Chemistry Laboratory I (2)         |
| Chem 3110 | Organic Chemistry Laboratory II (2)        |
| Chem 3410 | Organic Chemistry II (4)                   |
| Chem 4000 | Fundamentals of Chemical Analysis (3)      |
| Chem 4010 | Instrumental Methods I: Chromatography (3) |
| Chem 4110 | Physical Chemistry I (3)                   |
| Chem 4120 | Physical Chemistry II (3)                  |
| Chem 4160 | Chemistry Laboratory IVA (2)               |
| Chem 4190 | Instrumental Methods III: Spectroscopy (3) |
- Major Electives (5)
 

Recommended course:

|           |                                                     |
|-----------|-----------------------------------------------------|
| Chem 4600 | Biochemistry I (5) (required for ACS certification) |
|-----------|-----------------------------------------------------|

### Pre-Medicine Concentration

A pre-medicine concentration is available for chemistry majors. Please contact the Department of Chemistry for further information.

### American Chemical Society Certification

For American Chemical Society certification, add ten hours in addition to required course, Chem 4600, in Area G.

- Required Courses (6)
 

|           |                         |
|-----------|-------------------------|
| Chem 4210 | Inorganic Chemistry (3) |
| Chem 4330 | Advanced Synthesis (3)  |
- Select additional elective courses. (4)
 

Chem 4050, 4170, 4370, 4400, 4410, 4450, 4490, 4590, 4610, 4620, 4840, or other approved courses (must be different from major elective choices)

### Area H: Minor and Additional Courses

- Students majoring in chemistry are not required to take a minor. Consult the department for assistance in selecting a minor in biology, business, or related areas.
- Students majoring in chemistry must take additional courses as electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses. The department recommends that majors take computer and/or foreign language courses.

### Minor in Chemistry

Students who wish to minor in chemistry must take 15-18 hours in courses in chemistry, including at least nine hours at the 3000 level or above. Students taking more than 15 hours in courses in chemistry may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## 3190 Classical Studies

### Programs Offered:

#### Bachelor of Interdisciplinary Studies with a Concentration in Classical Studies

This program recognizes the interdisciplinary nature of classical studies and provides the student the opportunity of pursuing a degree in Latin language and literature in the broader context of related disciplines including history, music, philosophy, religious studies, and art history. Concentrations in Latin and the writings of authors from Antiquity, as well as an allied field in ancient civilization will enhance the student's knowledge of classical studies and their influence. Students seeking



certification for teaching Latin or those who intend to pursue graduate education in classical studies will find this program appropriate to their goals. For students interested in this program, please contact the faculty adviser, Dr. Aldo Lupi or the Chair of the Department of Modern and Classical Languages at 404/651-2265.

### Program Admission

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

### Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.I.S. with a Concentration in Classical Studies

#### Area F: Courses Appropriate to the Major (18)

- Required Courses (0 to 6) [Students entering with equivalences from earlier studies of Latin should start at the appropriate level. Please consult the Department for further information.]
 

|           |                        |
|-----------|------------------------|
| Latn 2001 | Intermediate Latin (3) |
| Latn 2002 | Latin Prose (3)        |
- Select additional courses to complete 18 hours:
 

|           |                                                                                 |
|-----------|---------------------------------------------------------------------------------|
| Grka 1001 | Elementary Ancient Greek I (3)                                                  |
| Grka 1002 | Elementary Ancient Greek II (3)                                                 |
| Grka 2001 | Intermediate Ancient Greek I (3)                                                |
| Grka 2002 | Intermediate Ancient Greek II (3)                                               |
| Clas 2201 | Greek Drama (3)                                                                 |
| Clas 2202 | Classical Epic (3)                                                              |
| Clas 2203 | Greek and Roman Mythology (3)                                                   |
| AH 1700   | Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3) |
| EDUC 2110 | Investigating Critical & Contemporary Issues in Education (3)                   |
| EDUC 2120 | Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3)  |
| EDUC 2130 | Exploring Learning & Teaching (3)                                               |
| Phil 2010 | Great Questions of Philosophy (3)                                               |

 or any 1000 or 2000 level foreign language in another language.

#### Area G: Area of Concentration—Classical Studies

- Latin. Select four to five courses (12-15):
 

|           |                            |
|-----------|----------------------------|
| Latn 4001 | Vergil's <i>Aeneid</i> (3) |
| Latn 4012 | Horace (3)                 |
| Latn 4013 | Cicero (3)                 |
| Latn 4035 | Vergil's Early Poetry (3)  |
| Latn 4036 | Historical Latin Prose (3) |
| Latn 4075 | Prose Composition (3)      |
- Ancient Thought. Select four to five courses (12-15):
 

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Phil 3010 | History of Western Philosophy I: Ancient and Medieval (3) |
| Phil 4010 | Plato (3)                                                 |
| Phil 4020 | Aristotle (3)                                             |
| Phil 4030 | Topics in Ancient Philosophy (3)                          |
| RelS 4295 | Religion, Sport and Spirituality (3)                      |

#### Area H: Allied Field (Ancient Civilization and Its Influences) (15-21) (Maximum of 12 credit hours in any single department)

- |         |                                                             |
|---------|-------------------------------------------------------------|
| AH 4010 | Art of Ancient Egypt and Nubia (3)                          |
| AH 4011 | Art and Architecture of Ancient Egypt I: 4000-1600 B.C. (3) |
| AH 4012 | Art and Architecture of Ancient Egypt II: 1600-31 B.C. (3)  |
| AH 4020 | Art and Architecture of Ancient Near East (3)               |
| AH 4110 | Art and Architecture of Ancient Greece (3)                  |

|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| AH 4120         | Art and Architecture of Ancient Rome (3)                    |
| AH 4320         | Italian Renaissance Art: The Age of Humanism (3)            |
| Hist 3500       | The Ancient Mediterranean (4)                               |
| Hist 4510       | Origins and Collapse of Ancient Near Eastern Societies (4)  |
| Hist 4520       | Ancient Persia, Greece, and Rome (4)                        |
| Latin 4040      | Medieval Latin (3)                                          |
| Mus 4800        | Music History from Antiquity through the Baroque Period (3) |
| Phil/ RelS 4040 | Augustine and Aquinas (3)                                   |

**Area J: Electives**

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation

**Area K: Courses Required for Teacher Certification (Optional)**

1. Select enough additional Latin courses at the 3000-4000 level to total at least 24 hours
2. Required Courses (18):
 

|           |                                                                                 |
|-----------|---------------------------------------------------------------------------------|
| EDUC 2110 | Investigating Critical & Contemporary Issues in Education (3)                   |
| EDUC 2120 | Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3)  |
| EDUC 2130 | Exploring Learning & Teaching (3)                                               |
| EXC 4020  | Characteristics and Instructional Strategies for Students with Disabilities (3) |
| IT 3210   | Teachers and Technology (3)                                                     |
| ForL 3021 | Introduction to Linguistics (3)                                                 |

**Must apply and be accepted into the teacher certification program in order to take the courses below:**

3. Required Course (6):
 

|           |                                                    |
|-----------|----------------------------------------------------|
| ForL 4027 | Methods and Materials for Teaching Latin: P-12 (3) |
| ForL 4030 | Practicum in Foreign Language Education (3)        |
4. Required Courses (12):
 

|           |                                           |
|-----------|-------------------------------------------|
| ForL 4061 | Student Teaching in Foreign Languages (4) |
| ForL 4062 | Student Teaching in Foreign Languages (4) |
| ForL 4063 | Student Teaching in Foreign Languages (4) |

Student Teaching in Foreign Languages (Student Teaching: Must apply in advance. Check current catalog for deadline.)

## 3200 Community Studies

**Programs Offered:****Bachelor of Interdisciplinary Studies with a Concentration in Community Studies**

The purpose of this program is twofold. First, it enables the student to select a curriculum that provides an interdisciplinary perspective on the nature of modern community life. Second, the program provides students with the option of exploring career opportunities and laying an academic foundation that can be used to pursue a variety of advanced professional degrees. If interested in community studies, please contact Dr. Charles Jaret, faculty adviser for the program, at 404/651-1843 or [cjaret@gsu.edu](mailto:cjaret@gsu.edu).

**Program Admission**

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

**Program Degree Requirements**

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program. In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

**B.I.S. with a Concentration in Community Studies****Area F: Courses Appropriate to the Major (18)**

1. Select five courses (15):
 

|          |                                              |
|----------|----------------------------------------------|
| AAS 2010 | Introduction to African-American Studies (3) |
|----------|----------------------------------------------|

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Anth 1102 | Introduction to Anthropology (3)                                    |
| Anth 2020 | Introduction to Cultural Anthropology (3)                           |
| CSc 1010  | Computers and Applications (3)                                      |
| CSc 2010  | Introduction to Computer Science (3)                                |
| Econ 2105 | Principles of Macroeconomics (3)                                    |
| Econ 2106 | Principles of Microeconomics (3)                                    |
| Geog 1101 | Introduction to Human Geography (3)                                 |
| Hist 1111 | Survey of World History to 1500 (3)                                 |
| Hist 1112 | Survey of World History since 1500 (3)                              |
| Hist 1140 | Introduction to African and African-American History (3)            |
| Jour 2500 | Communication Research and Information Technology (3)               |
| Math 1070 | Elementary Statistics (3)                                           |
| Phil 2010 | Great Questions of Philosophy (3)                                   |
| PolS 2101 | Introduction to Political Science (3)                               |
| PolS 2401 | Global Issues (3)                                                   |
| Psyc 1101 | Introduction to General Psychology (3)                              |
| Psyc 2070 | Introduction to Human Sexuality (3)                                 |
| Psyc 2103 | Introduction to Human Development: Individual and Family Issues (3) |
| Soci 1101 | Introductory Sociology (3)                                          |
| Soci 1160 | Introduction to Social Problems (3)                                 |
| Spch 2050 | Media, Culture, and Society (3)                                     |
| Spch 2650 | Interpersonal Communication (3)                                     |
| WSt 3010  | Feminist Theories (3)                                               |

2. Students must complete level 1002 of a language.

**Area G: Area of Concentration—Community Studies (33-40)**

1. Select six courses (18-21):

|           |                                          |
|-----------|------------------------------------------|
| Anth 4200 | Urban Anthropology (4)                   |
| Econ 3010 | The Economies of Atlanta and Georgia (3) |
| Econ 4300 | Economics of Cities (3)                  |
| Geog 4764 | Urban Geography (4)                      |
| Geog 4774 | Contemporary Urban Theory and Issues (3) |
| Hist 4220 | The American City (4)                    |
| PAUS 3111 | Urban Political Economy (3)              |
| PolS 4115 | Urban Politics (3)                       |
| Psyc 4510 | Community Psychology (3)                 |
| Psyc 4520 | Environmental Psychology (3)             |
| Soci 4226 | Urban Sociology (3)                      |
2. Select one course (3):

|           |                          |
|-----------|--------------------------|
| Hist 4320 | Metropolitan Atlanta (3) |
| Geog 4768 | Metropolitan Atlanta (3) |
| Soci 4279 | Metropolitan Atlanta (3) |
3. Select four courses (12-16):

|           |                                                   |
|-----------|---------------------------------------------------|
| Anth 4480 | Ethnographic Analysis (4)                         |
| Film 4240 | Documentary Film (4)                              |
| Geog 4520 | Quantitative Spatial Analysis (4)                 |
| Hist 4330 | Oral History (4)                                  |
| Hist 4340 | Administration and Use of Historical Archives (3) |
| PAUS 4021 | Policy Research Methods I (3)                     |
| PolS 3800 | Introduction to Political Research (3)            |
| Soci 3010 | Social Statistics (3)                             |
| Soci 3020 | Social Research Methods (3)                       |

**Area H: Allied Field (15-21)**

1. Student must select an allied field from one of the options below. Specific courses for each area can be found on the allied field handout.
  - a. Community Service
  - b. Public Policy, Planning, Administration, and Economic Development
  - c. Racial/Ethnic Community Life

### **Area J: Electives**

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation.

## **3210 Computer Science**

### **Programs Offered:**

#### **Bachelor of Science in Computer Science**

##### **Concentration in Computer Software Systems**

##### **Concentration in Databases and Knowledge-based Systems**

##### **Concentration in Graphics and Human-Computer Interaction**

##### **Concentration in Hardware Systems**

##### **Concentration in Networks and Parallel and Distributed Computing**

##### **Concentration in Theoretical Computer Science**

#### **Minor in Computer Science**

Department of Computer Science  
Ste. 1450, 34 Peachtree Street Building  
404/463-2888

<http://www.cs.gsu.edu>

Yi Pan, Chair

Anu Bourgeois, Director of Undergraduate Studies

Jaman Bhola, Undergraduate Adviser

Computer science is the systematic exploration of all aspects of computation. Computer science as a discipline seeks to build a scientific foundation for topics such as computer design, computer programming and software, information processing, algorithmic solutions to problems, and the algorithmic process itself. Computer science provides underpinnings for today's applications in industry, science, government, and business and prepares the foundation for tomorrow's applications in ubiquitous computing, medical cures for diseases, and instant access to information by everyone.

The B.S. degree program in computer science provides preparation in the fundamental principles and processes of computation and training in applying these principles in application areas in industry, science, government, and business. The student completes a basic group of required courses in the early stages and chooses courses from several concentrations in the later stages to provide for appropriate breadth and depth of knowledge in the discipline. In parallel, the student takes relevant courses in mathematics and physics that complement the study of computer science.

A B.S. degree in computer science provides a good foundation for advanced studies at the M.S. or Ph.D. level as well as for careers in industry, science, government, and business. To plan the major according to particular goals, students are encouraged to consult with an adviser in the department. Majors who are interested in having a paid work experience related to their area of study should contact the university's Office of Cooperative Education, which coordinates the university's cooperative education programs.

The courses are structured, and the department enforces the prerequisites for its courses. Students are urged to check and take the prerequisites for computer science courses and any computer science requirement as listed by their major department/school/institute. Refer any questions to that major department/school/institute or to the Department of Computer Science.

### **Program Academic Regulations**

A minimum grade of C is required in all mathematics and computer science courses and all 3000-level or above courses that are used to fulfill the undergraduate programs of this department.

As part of the core curriculum, students must receive credit for the three calculus courses: Math 2211, Math 2212, and Math 2215. (When counting the number of semester hours in Areas A, D, and F, only 3 of the 4 credit hours of each calculus course will be counted in Area A and/or D. The fourth hour, or the "rollover hour," will be counted in Area F.)

Prerequisites and co-requisites are strictly enforced in all computer science courses. Students must maintain a 2.3 Georgia State University GPA to take Computer Science courses numbered 3000 or above.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.S. in Computer Science

### Areas A-E: Core Curriculum Recommendations

1. Required course:  
Math 1113      Precalculus (3) or higher level math course
2. Required course:  
Math 2211      Calculus of One Variable I (4) (or a higher level mathematics course) (One credit hour counts in Area F.)  
Phys 2211K      Principles of Physics I (4)  
Phys 2212K      Principles of Physics II (4)

### Area F: Courses Appropriate to the Major Field (18)

1. Required Course(s): Select the course(s) not taken in Area A or D. (13-17)  
Math 2212      Calculus of One Variable II (4)  
Math 2215      Multivariate Calculus (4)  
CSc 2010      Introduction to Computer Science (3)  
CSc 2310      Principles of Computer Programming I (3)  
CSc 2510      Theoretical Foundations of Computer Science (3)
2. Select additional courses to complete 18 hours in Area F. (0-4)  
Acct 2101, Acct 2102, Biol 1107K, Biol 1108K, Chem 1211K, Chem 1212K, Chem 2400, CSc 2301, Econ 2105, Econ 2106, Lang 2001 and Lang 2002, Latin 2002, and Phil 1010.

### Area G: Major Requirements (60)

1. In addition to the courses placed in the core curriculum, such as Phys 2211K and 2212K, all computer science majors must complete the following courses. (13)
  - a. Math 3030      Mathematical Models for Computer Science (3);
  - b. one mathematics course selected from the following list for three (3) hours: Math 4211, Math 4460, Math 4455, Math 4610, Math 4620, Math 4751;
  - c. Phys 3500      Electronics (3);
  - d. for a total of four (4) hours, select Phys 3401 Modern Physics I (4) or Phys 4700 Electricity and Magnetism (4) or select one of the following pairs of course and lab combinations:  
Phys 3800      Optics (3) and Phys 4030 Digital Instrumentation Laboratory (1);  
Phys 3800      Optics (3) and Phys 4050 Physical Computations Laboratory (1);

Math 2420 and Math 2215 are prerequisites for Math 3030. Phys 2212K is a prerequisite for Phys 3500. A note for computer science majors transferring to Georgia State University: Board of Regents' rules may have required Georgia State University to award credit for Math 2420, Math 2215, and/or Phys 2212K even though a student did not take this course at the sending institution. Math 3030 and Phys 3500 are demanding courses, and the Department of Computer Science believes that there is almost no chance of passing them if one has not taken the proper prerequisites. Transfer students are strongly advised to take all prerequisites.
2. Computer Science Requirements (25)  
CSc 2311      Principles of Computer Programming II (3)  
CSc 3210      Computer Organization and Programming (3)  
CSc 3410      Data Structures (3)  
CSc 4210      Computer Architecture (4)  
CSc 4330      Programming Language Concepts (4)  
CSc 4350      Software Engineering (4)  
CSc 4520      Design and Analysis of Algorithms (4)
3. For a total of sixteen (16) hours, select two or three courses from within one of the following concentrations and exactly two additional courses from among the courses in the other concentrations.

### Computer Software Systems Concentration

- CSc 3320      System-Level Programming (3)

|          |                                                 |
|----------|-------------------------------------------------|
| CSc 4110 | Introduction to Embedded Systems Laboratory (4) |
| CSc 4320 | Operating Systems (4)                           |
| CSc 4340 | Introduction to Compilers (4)                   |
| CSc 4370 | Web Programming (4)                             |
| CSc 4380 | Windowing Systems Programming (4)               |
| CSc 4540 | Introduction to Bioinformatics Algorithms (4)   |
| CSc 4640 | Fundamentals of Bioinformatics (4)              |
| CSc 4830 | System Simulation (4)                           |

and other 4000-level courses approved by the Department

### **Databases and Knowledge-based Systems Concentration**

|          |                                               |
|----------|-----------------------------------------------|
| CSc 3320 | System-Level Programming (3)                  |
| CSc 4260 | Digital Image Processing (4)                  |
| CSc 4310 | Parallel and Distributed Computing (4)        |
| CSc 4360 | Network-Oriented Software Development (4)     |
| CSc 4370 | Web Programming (4)                           |
| CSc 4540 | Introduction to Bioinformatics Algorithms (4) |
| CSc 4640 | Fundamentals of Bioinformatics (4)            |
| CSc 4710 | Database Systems (4)                          |
| CSc 4810 | Artificial Intelligence (4)                   |

and other 4000-level courses approved by the department.

### **Graphics and Human-Computer Interaction Concentration**

|          |                                   |
|----------|-----------------------------------|
| CSc 4260 | Digital Image Processing (4)      |
| CSc 4370 | Web Programming (4)               |
| CSc 4380 | Windowing Systems Programming (4) |
| CSc 4720 | Human-Computer Interaction (4)    |
| CSc 4730 | Scientific Visualization (4)      |
| CSc 4820 | Computer Graphics Algorithms (4)  |
| CSc 4840 | Computer Graphics Imaging (3)     |
| CSc 4841 | Computer Animation (3)            |

and other 4000-level courses approved by the Department

### **Hardware Systems Concentration**

|          |                                                   |
|----------|---------------------------------------------------|
| CSc 3610 | Introduction to Matlab Programming (3)            |
| CSc 4110 | Introduction to Embedded Systems Laboratory (4)   |
| CSc 4220 | Computer Networks (4)                             |
| CSc 4221 | Wireless Networks and Mobile Computing (4)        |
| CSc 4225 | Internetwork Programming (4)                      |
| CSc 4230 | VLSI Design (4)                                   |
| CSc 4250 | VLSI CAD and Computer Architecture Laboratory (4) |
| CSc 4270 | Introduction to Digital Signal Processing (4)     |
| CSc 4310 | Parallel and Distributed Computing (4)            |

and other 4000-level courses approved by the Department

### **Networks and Parallel and Distributed Computing Concentration**

|          |                                               |
|----------|-----------------------------------------------|
| CSc 3320 | System-Level Programming (3)                  |
| CSc 3610 | Introduction to Matlab Programming (3)        |
| CSc 4220 | Computer Networks (4)                         |
| CSc 4221 | Wireless Networks and Mobile Computing (4)    |
| CSc 4225 | Internetwork Programming (4)                  |
| CSc 4270 | Introduction to Digital Signal Processing (4) |
| CSc 4310 | Parallel and Distributed Computing (4)        |
| CSc 4320 | Operating Systems (4)                         |
| CSc 4360 | Network-Oriented Software Development (4)     |
| CSc 4830 | System Simulation (4)                         |

and other 4000-level courses approved by the Department



**Theoretical Computer Science Concentration**

|          |                                                                       |
|----------|-----------------------------------------------------------------------|
| CSc 4310 | Parallel and Distributed Computing (4)                                |
| CSc 4340 | Introduction to Compilers (4)                                         |
| CSc 4510 | Automata (4)                                                          |
| CSc 4620 | Numerical Analysis II (3) if not taken as Math 4620 in item 1.b above |

and other 4000-level courses approved by the Department

4. Select 6 hours in additional courses as electives. (6)  
3000 or above level computer science courses or others approved by the department.

**Area H: Minor and Additional Courses**

1. Students earning a B.S. in the Department of Computer Science are not required to complete a minor.
2. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education, health, or military science courses.

**Minor in Computer Science**

Students choosing to minor in computer science should complete CSc 2311 and 3410 and nine hours of additional computer science courses at the 3000 level or above. Students should check prerequisites carefully before enrolling in courses at the 3000 level and above. Consultation with an adviser in computer science is recommended. Students majoring in mathematics may not include CSc 4610 or 4620 in the minor.

## 3220 English

**Programs Offered:****Bachelor of Arts in English****Concentration in Advanced Composition and Rhetoric****Concentration in Creative Writing****Concentration in Literature****Concentration in Pre-Education/Secondary English****British-American Joint Studies Program Concentration****Minor in English****Minor in Folklore**

Department of English  
923 General Classroom Building  
404/651-2900

<http://www.gsu.edu/english>

Matthew Roudané, Chair

Randy Malamud, Associate Chair

Audrey Goodman, Director of Undergraduate Studies

Marti Singer, Director of Lower Division Studies

John Holman, Director of Creative Writing

The Department of English is concerned with the study of language and literature and with the craft of writing considered integral to education since ancient times. Although the department concentrates on texts written in English by authors from Great Britain, Ireland, and the United States, it also examines translations of texts from other languages as well as newly emerging literatures in English from other cultural perspectives. Students may also encounter practices that are not, strictly speaking, “writing” at all, such as oral compositions, hypertexts, and folk art.

At the freshmen level, all students in the university take courses in the fundamentals of college-level writing and in the reasoned analysis of texts. Other English courses that form part of the core curriculum provide students with opportunities to study topics in world literature or surveys of British, American, and World literature.

English majors may concentrate in one of four areas: literature, advanced composition and rhetoric, creative writing, and secondary English (pre-education). Before choosing their concentrations, all English majors have the opportunity at the sophomore level to gain a broad foundation in English and American literature and studies in literature or rhetoric. Then, with the help of their advisers, majors choose upper-division courses, which allow them to pursue their interests in more depth. Finally, students study within their chosen concentrations in seminars designed as capstones for the major.

In addition, the department's joint studies program with the University of Northumbria in Newcastle, England, offers Georgia State University English and history majors the opportunity to complete their degrees with a concentration in British and American Cultures.

On successfully completing their studies, English majors will have acquired a sensitivity to the written word and an appreciation for the creative process. They will have developed their skills in organization, writing, and interpretation. English courses offer students the opportunity to discover their own insights and to articulate them with precision.

Majors who concentrate in literature take a range of courses that afford them opportunities to read poetry, prose, and drama from a variety of historical periods and cultural groups. These literature courses seek to promote students' verbal acuity and abilities at thoughtful evaluation.

Closely related to the study of literature is the department's creative writing program. Faculty in this program guide students as they practice and refine their work in the genres of poetry and fiction.

Students who concentrate in advanced composition and rhetoric learn about the history, theory, and practice of writing to specific audiences for particular purposes. In this concentration, students may focus on either historical rhetoric and the teaching of composition or writing within business and technical environments. Courses in this area allow students to explore the history and theory of writing as they apply to the teaching of composition and to writing practices in the workplace.

English majors who wish to teach English in secondary schools combine studies of literature, language, and composition with a senior seminar that combines these areas with pedagogy.

The Department of English offers courses in the related field of folklore. Georgia State University is the only institution in the state offering a wide selection of folklore courses.

A number of courses in the Department of English have an interdisciplinary approach, and several are crosslisted with other units within the university, such as the Department of African-American Studies and the Women's Studies Institute.

Because of the dynamic and varied nature of our discipline, many of the courses offered (especially on the 4000 level) focus on specific topics not indicated in detail here. Students should inquire in the department office for further information about courses.

## Program Degree Requirements

All English majors planning to take any upper-division literature courses must fulfill the appropriate three prerequisite courses with a grade of C or higher. All English minors who plan to take British Literature courses must have completed Engl 2120 with a grade of C or higher and all English minors planning to take American literature courses must have completed Engl 2130 with a grade of C or higher.

The department requires a minimum of 27 semester hours in upper-division English, with no more than 11 being transferred credits. The College of Arts and Sciences requires that students pass all upper-division courses in their majors with a grade of C or higher.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.A. in English

### Area F: Courses Appropriate to the Major Field (18)

1. Foreign Language (6)
  - Lang 2001 Intermediate World Language I (3)
  - Lang 2002 Intermediate World Language II (3)
2. Required Courses (9)
  - Engl 2120 British Literature (3)
  - Engl 2130 American Literature (3)
  - Select one of the following:
    - Engl 2140 Introduction to Literary Studies (3) **Required for students in the following concentrations: Creative Writing; Literature; and Pre-Education/Secondary English**
    - Engl 2150 Introduction to Rhetoric and Advanced Composition (3) **Required for students in the Advanced Composition and Rhetoric concentration**
3. Select one elective from area C or Hist 1111, Hist 1112, Hist 1140, AAS 2010, or WSt 2010. (3)

### Area G: Major Courses (27)

A grade of C or higher is required in all major courses. The English major requires nine upper-division courses (27 semester hours) distributed as described below. The same course may not be used to satisfy more than one of the listed requirements. Each of the four concentrations within the major has specific requirements as outlined here.

### Advanced Composition and Rhetoric Concentration

1. Select one course from areas 1, 2, or 3 as listed for the literature concentration. (3)

2. Select one course from area 4 as listed for the literature concentration. (3)
3. Select one course from area 5 as listed for the literature concentration. (3)
4. Select one course. (3)
  - Engl 3080 History, Theory, and Practice of Argumentative Writing (3)
  - Engl 3090 History, Theory, and Practice of Expository Writing (3)
  - Engl 3100 Twentieth-Century Composition Theory and Practice (3)
5. Select one course. (3)
  - Engl 3110 Technical Writing (3)
  - Engl 3115 Document Design (3)
  - Engl 3120 Electronic Writing and Publishing (3)
  - Engl 3130 Business Writing (3)
  - Engl 3135 Visual Rhetoric (3)
6. Select two electives chosen from Advanced Composition and Rhetoric courses not already taken. (6)
  - Engl 3080 History, Theory, and Practice of Argumentative Writing (3)
  - Engl 3090 History, Theory, and Practice of Expository Writing (3)
  - Engl 3100 Twentieth-Century Composition Theory and Practice (3)
  - Engl 3105 Practical Grammar (3)
  - Engl 3110 Technical Writing (3)
  - Engl 3115 Document Design (3)
  - Engl 3120 Electronic Writing and Publishing (3)
  - Engl 3130 Business Writing (3)
  - Engl 3135 Visual Rhetoric (3)
  - Engl 3140 Editing (3)
  - Engl 4200 Topics\* (3)
  - Engl 4500 Internship (3)
  - Engl 4510 Grant and Proposal Writing (3)
  - Engl 4520 Feminism and Technology (3)
7. Select an elective from 3000 or 4000-level English or Folklore courses (may be selected from Creative Writing courses). (3)
8. Engl 4320 Senior Seminar: Advanced Composition and Rhetoric (3)

\* This course varies in subject matter; students must receive written permission from their departmental advisers to apply one of these courses to a specific area.

### **Creative Writing Concentration**

1. Select one course from area 1 or 3 as listed for the literature concentration. (3)
2. Select one course from area 2 as listed for the literature concentration. (3)
3. Select one course. (3)
  - Engl 3700 English Literature: 1900-1945 (3)
  - Engl 3710 English Literature: 1945-Present (3)
  - Engl 3720 Twentieth-Century English Poetry (3)
  - Engl 3830 American Literature: 1914-1945 (3)
  - Engl 3840 American Literature: 1945-Present (3)
  - Engl 3850 American Poetry (3)\*
  - Engl 3860 American Drama (3)
  - Engl 3870 American Fiction (3)\*
4. Select one course. (3) Students must be consistent in their choice of genre for areas 4, 5, 6, and 8. Students must be consistent in their choice of genre (poetry (A) or fiction (B)) for areas 4, 5, 6, and 8.
  - Engl 3150A Introduction to Creative Writing: Poetry (3)
  - Engl 3150B Introduction to Creative Writing: Fiction (3)
5. Select one course. (3) Students must be consistent in their choice of genre for areas 4, 5, 6, and 8. Students must be consistent in their choice of genre (poetry (A) or fiction (B)) for areas 4, 5, 6, and 8. Students must fulfill area 4 before area 5. Students must fulfill area 4 before area 5.
  - Engl 3160 Narrative Techniques (3)
  - Engl 3170 Poetic Techniques (3)
6. Select one course. (3)

Students must be consistent in their choice of genre (poetry (A) or fiction (B)) for areas 4, 5, 6, and 8. Students must fulfill area 4 before area 6.

Engl 3180A Contemporary Poetry (3)

Engl 3180B Contemporary Fiction Craft (3)

7. Select two elective courses in English or Folklore. (6)

8. Select one course. (3)

Students must be consistent in their choice of genre (poetry (A) or fiction (B)) for areas 4, 5, 6, and 8. The Department of English recommends that students fulfill areas 4, 5, and 6 before area 8. In special cases, with departmental approval, students may fulfill areas 6 and 8 simultaneously.

Engl 4310A Senior Seminar: Workshop in Poetry (3)

Engl 4310B Senior Seminar: Workshop in Fiction (3)

\* This course varies in subject matter; students must receive written permission from their departmental advisers to apply one of these courses to a specific area.

### Literature Concentration

1. British Literature I: Select two courses, including one in a single writer. (6)

Engl 3280 English Drama (3)\*

Engl 3300 Medieval English Literature (3)

Engl 3400 Sixteenth-Century English Literature (3)

Engl 3410 Early and Middle Seventeenth-Century English Literature (3)

Engl 3980 Women's Literature I (3)\*

Engl 4110 Chaucer (3)

Engl 4120 Spenser (3)

Engl 4130 Shakespeare, Earlier Works (3)

Engl 4140 Shakespeare, Later Works (3)

Engl 4150 Milton (3)

Engl 4200 Topics (3)\*

2. British Literature II: Select one course. (3)

Engl 3280 English Drama (3)\*

Engl 3290 English Fiction (3)\*

Engl 3500 Restoration and Earlier Eighteenth-Century English Literature (3)

Engl 3510 Later Eighteenth-Century English Literature (3)

Engl 3600 Early British Romantic Literature (3)

Engl 3610 Victorian Poetry and Nineteenth-Century Non-Fiction (3)

Engl 3700 English Literature: 1900-1945 (3)

Engl 3710 English Literature: 1945-Present (3)

Engl 3720 Twentieth-Century English Poetry (3)

Engl 3980 Women's Literature I (3)\*

Engl 4100 Study of a Single Author (3)

Engl 4200 Topics (3)\*

3. American Literature: Select one course. (3)

Engl 3800 Early American Literature (3)

Engl 3810 American Literature: 1820-1865 (3)

Engl 3820 American Literature: 1865-1914 (3)

Engl 3850 American Poetry (3)\*

Engl 3870 American Fiction (3)\*

Engl 3880 American Non-Fiction Prose (3)\*

Engl 3990 Women's Literature II (3)\*

Engl 4100 Study of a Single Author (3)

Engl 4200 Topics (3)\*

4. Literature Electives: Select two courses. (6)

Engl 3180A Contemporary Poetry (3)

Engl 3180B Contemporary Fiction Craft (3)

Engl 3280 English Drama (3)\*

Engl 3290 English Fiction (3)\*

Engl 3700 English Literature: 1900-1945 (3)

Engl 3710 English Literature: 1945-Present (3)

- Engl 3720 Twentieth-Century English Poetry (3)
  - Engl 3830 American Literature: 1914-1945 (3)
  - Engl 3840 American Literature: 1945-Present (3)
  - Engl 3850 American Poetry (3)\*
  - Engl 3860 American Drama (3)
  - Engl 3870 American Fiction (3)\*
  - Engl 3880 American Non-Fiction Prose (3)\*
  - Engl 3890 Contemporary American Ethnic Literatures (3)
  - Engl 3900 Irish Literature (3)
  - Engl 3910 The Tradition of Children's and Young Adults' Literature (3)
  - Engl 3920 Southern Literature (3)
  - Engl 3930 Modern Drama (3)
  - Engl 3940 Postcolonial Literature (3)
  - Engl 3950 African-American Literature (3)
  - Engl 3960 African-American Literature by Women (3)
  - Engl 3970 Caribbean Literature (3)
  - Engl 3990 Women's Literature II (3)
  - Engl 4200 Topics (3)\*
  - 5. Language, Criticism, and Theory Elective: Select one course. (3)
    - Engl 3105 Practical Grammar (3)
    - Engl 3140 Editing (3)
    - Engl 3200 Introduction to the English Language (3)
    - Engl 3210 Advanced Grammar (3)
    - Engl 3220 History of the English Language (3)
    - Engl 3230 History of Literary Criticism I (3)
    - Engl 3240 History of Literary Criticism II (3)
    - Engl 3250 Topics in Contemporary Theory (3)
    - Engl 3260 Theories of Popular Culture (3)
    - Engl 3955 Language in the African-American Community (3)
    - Engl 3995 Feminist Literary Criticism (3)
    - Engl 4200 Topics (3)\*
  - 6. Select an elective course in English or Folklore. (3)
  - 7. Engl 4300 Senior Seminar: Literary Studies (3)
- \* This course varies in subject matter; students must receive written permission from their departmental advisers to apply one of these courses to a specific area.

### Secondary English (Pre-Education) Concentration

- 1. British Literature: Select one course. (3)
  - Engl 3280 English Drama (3)\*
  - Engl 3290 English Fiction (3)\*
  - Engl 3300 Medieval English Literature (3)
  - Engl 3400 Sixteenth-Century English Literature (3)
  - Engl 3410 Early and Middle Seventeenth-Century English Literature (3)
  - Engl 3500 Restoration and Earlier Eighteenth-Century English Literature (3)
  - Engl 3510 Later Eighteenth-Century English Literature (3)
  - Engl 3600 Early British Romantic Literature (3)
  - Engl 3610 Victorian Poetry and Nineteenth-Century Non-Fiction (3)
  - Engl 3700 English Literature: 1900-1945 (3)
  - Engl 3710 English Literature: 1945-Present (3)
  - Engl 3720 Twentieth-Century English Poetry (3)
  - Engl 3980 Women's Literature I (3)
  - Engl 4200 Topics (3)\*
- 2. American Literature: Select one course. (3)
  - Engl 3800 Early American Literature (3)
  - Engl 3810 American Literature: 1820-1865 (3)
  - Engl 3820 American Literature: 1865-1914 (3)
  - Engl 3830 American Literature: 1914-1945 (3)
  - Engl 3840 American Literature: 1945-Present (3)

- |           |                                 |
|-----------|---------------------------------|
| Engl 3850 | American Poetry (3)*            |
| Engl 3860 | American Drama (3)              |
| Engl 3870 | American Fiction (3)*           |
| Engl 3880 | American Non-Fiction Prose (3)* |
| Engl 4200 | Topics (3)*                     |
3. Single Author: Select one course; Engl 4130 or 4140 recommended. (3)
 

|           |                                |
|-----------|--------------------------------|
| Engl 4110 | Chaucer (3)                    |
| Engl 4120 | Spenser (3)                    |
| Engl 4130 | Shakespeare, Earlier Works (3) |
| Engl 4140 | Shakespeare, Later Works (3)   |
| Engl 4150 | Milton (3)                     |
  4. Multicultural/Genre Literature: Select one course. (3)
 

|           |                                                              |
|-----------|--------------------------------------------------------------|
| Engl 3890 | Contemporary American Ethnic Literatures (3)                 |
| Engl 3900 | Irish Literature (3)                                         |
| Engl 3910 | The Tradition of Children's and Young Adults' Literature (3) |
| Engl 3920 | Southern Literature (3)                                      |
| Engl 3930 | Modern Drama (3)                                             |
| Engl 3940 | Postcolonial Literature (3)                                  |
| Engl 3950 | African-American Literature (3)                              |
| Engl 3960 | African-American Literature by Women (3)                     |
| Engl 3970 | Caribbean Literature (3)                                     |
| Engl 3990 | Women's Literature II (3)                                    |
| Engl 4000 | Jewish Literature (3)                                        |
| Engl 4200 | Topics (3)*                                                  |
  5. Language: Select one course. (3)
 

|           |                                                |
|-----------|------------------------------------------------|
| Engl 3105 | Practical Grammar (3)                          |
| Engl 3190 | Language Analysis for Teachers of English (3)  |
| Engl 3200 | Introduction to the English Language (3)       |
| Engl 3210 | Advanced Grammar (3)                           |
| Engl 3220 | History of the English Language (3)            |
| Engl 3955 | Language in the African-American Community (3) |
  6. Writing: Select one course; Engl 3100 recommended (3)
 

|               |                                                            |
|---------------|------------------------------------------------------------|
| Engl 3080     | History, Theory, and Practice of Argumentative Writing (3) |
| Engl 3090     | History, Theory, and Practice of Expository Writing (3)    |
| Engl 3100     | Twentieth Century Composition Theory and Practice (3)      |
| Engl 3150 A/B | Introduction to Creative Writing (3)                       |
  7. Select two elective courses in English or Folklore; Engl 3100, if not already taken, is recommended. (6)
  8. Engl 4330 Senior Seminar: Secondary English Education (3)
  9. Further coursework (9 hrs) in the major is often recommended, but not required for this concentration: recommended are one additional course from Area 4 (Multicultural/Genre); one additional course from Area 5 (Language); and English 3100, or, if already taken, one additional course from Area 6 (Writing).

\* This course varies in subject matter; students must receive written permission from their departmental advisers to apply one of these courses to a specific area.

Additional courses for the Secondary English concentration. These are not required, but are recommended for elective credit:

|          |                                                                                 |
|----------|---------------------------------------------------------------------------------|
| EXC 4020 | Characteristics and Instructional Strategies for Students with Disabilities (3) |
| IT 3210  | Teaching and Technology (3)                                                     |

English majors with the secondary English (pre-education) concentration are encouraged to apply to the College of Education Master of Education Alternative Preparation Program (TEEMS) for certification preparation. The Alternative Preparation Program has a master's degree track of four semesters begun in the summer term and a three-semester certification track also begun in the summer and completed in the spring. Hours earned in the certification track can be applied later toward the completion of the master's degree.

Students should consult the department for specific information about which courses offered in each two-year sequence will fit the requirements for each concentration.



## Teacher Certification

English majors who want to pursue certification to teach at the middle or secondary school level should seek advisement from the College of Education Office of Academic Assistance (300 College of Education Building, 404/651-2539) and the Middle Secondary Education and Instructional Technology Department (639 College of Education Building, 404/651-2510). Georgia State University offers a Master's of Education Alternative Preparation degree in Middle Childhood or in English Education that is a four-semester program beginning summer and a Master's of Education Alternative Preparation Certification Track that is a three-semester program also beginning in the summer. Students interested in teaching in middle school should major and minor in a combination of Social Studies and English.

## British-American Joint Studies Program Concentration (24)

1. Select one course (3)
  - Engl 3280 English Drama (3)
  - Engl 3300 Medieval English Literature (3)
  - Engl 3400 Sixteenth-Century English Literature (3)
  - Engl 3410 Early and Middle Seventeenth-Century English Literature (3)
2. Select one course (3)
  - Engl 4110 Chaucer (3)
  - Engl 4120 Spenser (3)
  - Engl 4130 Shakespeare, Earlier Works (3)
  - Engl 4140 Shakespeare, Later Works (3)
  - Engl 4150 Milton (3)
3. Select two of the following (6)
  - Engl 3265 British-American Culture Seminar I (3)
  - Engl 3266 British-American Culture Seminar II (3)
  - Hist 4960 British-American Culture Seminar I (3)
4. Engl 3275 Literature and Culture of the American South (3)
5. Select two electives from English, History, and Folklore courses. These courses can be taken at Georgia State or University of Northumbria-Newcastle. (6) Electives are designated as Engl 4200 but exclude those listed in area 7.
6. Engl 3270 American Culture Seminar (3)
7. Additional Courses in Major for British-American Joint Studies Program Concentration. To be taken at University of Northumbria-Newcastle (15-18)
  - Engl 4200 Colloquium (3)
  - Engl 4200 Making of British Culture (3)
  - Engl 4200 Culture and Value (3)

### Area H: Minor and Additional Courses

English majors have three options: a minor, a double major, or additional courses in the major. One of these options, combined with electives, will complete their degree requirements. Each student should discuss these options with a department adviser and choose the one that will best serve the student's long-term goals.

1. Minor: at least 15 semester hours, 9 hours of which must be taken at the 3000 level or above, from one department, school, or institute other than the English department, or in Folklore. The requirements for a minor must be fulfilled in a department, school, or institute that offers a baccalaureate degree. Students interested in an interdisciplinary minor should consult their advisers. The College of Arts and Sciences requires a grade of C or higher in each course counted toward the minor.
2. Double major: course work to satisfy requirements for a second major in addition to English; all college and departmental requirements apply to this as to the first major.
3. Further course work in the major: three courses (9 hours) beyond the nine courses (27 hours) required for the major. Additional courses from departments, schools, or institutes other than the major must be taken to complete a minimum of 120 hours, exclusive of 1000-2000 level physical education. One of these courses must be Lang 2002 (see "Major Courses" above).

## Departmental Student Assessment: Senior Exit Portfolio

In order to graduate, English majors must submit an exit portfolio designed appropriate to their concentration. All portfolios include a statement of self-assessment and four to six substantial pieces of writing that demonstrate their skills appropriate to their concentration. Specific information about the exit portfolio for each concentration is available from the department. Portfolios are due at the mid-point of the semester of graduation.

## Graduation with Distinction in English

Departmental distinction is separate from the Honors Program. Majors who have an average of at least 3.5 in upper-division English courses are eligible to undertake a project that could lead to graduation with distinction.

Two academic terms prior to the one in which the student proposes to graduate, student and adviser should plan the project. Students may undertake a critical paper on a literary topic, a creative writing project, or a reading list on which they will write an examination paper. A brief proposal (two or three pages) describing the project should be sent to the Events and Awards Committee. More information about graduation with distinction is available in the department.

## Minor in English or Folklore

Students who minor in English or Folklore must complete at least 15-18 hours of course work in English or Folklore, including 12 hours at the 3000 level or above (and any prerequisites required). Students taking more than 15 hours in courses in English may count the additional hours toward their electives or may consider completing a double major. (A grade of C or higher is required in all courses counting toward the minor.)

# 3230 English as a Second Language (ESL)

## Programs Offered:

### ESL Credit-Bearing Courses

### Intensive English Program (IEP)

Department of Applied Linguistics and English as a Second Language

34 Peachtree, 12<sup>th</sup> Floor

404/651-3650

<http://www.gsu.edu/alesl>

Gayle Nelson, Chair

Cheryl Delk, IEP Director

Sharon Cavusgil, ESL Coordinator (credit-bearing courses)

Sara Weigle, Director of Undergraduate Studies

The ESL credit-bearing courses for non-native speakers of English at the undergraduate level include special sections of English 1101, English 1102, and GSTEP Regents' writing test preparation (RGTE 0199). For more information, see "ESL Program" at <http://www.gsu.edu/alesl>.

The IEP is a non-credit program designed to prepare students with the language and study skills necessary for successful academic work in American colleges and universities. Classes are offered at advanced beginning, low intermediate, intermediate, high intermediate, and advanced levels in the following areas: structure/composition, reading/listening, academic writing, extensive reading, and oral communication.

Students are admitted to the IEP through the Department of Applied Linguistics and ESL and not through regular Georgia State admission procedures. For information and/or application forms, contact: Intensive English Program, Georgia State University, P.O. Box 4099, Atlanta, GA 30302-4099, or at <http://www.gsu.edu/esl>.

Admission to the Intensive English Program does not constitute regular admission to a degree-granting program of Georgia State or of any other branch of the University System of Georgia. Students who wish to take degree work at the university must complete the student application appropriate for the desired program, submit all credentials, and receive an official decision from the Office of Admissions or Graduate Office.

# 3240 Environmental Science

## Programs Offered:

### Bachelor of Interdisciplinary Studies in Environmental Science

This program focuses on scientific components of environmental issues by integrating courses from anthropology, biology, chemistry, geography, and geology. This concentration emphasizes a broad-based understanding of the environment, while providing for the development of an emphasis in one of the areas. For students interested in the program, please contact the faculty adviser, Dr. Sid Crow, at 404/651-3103.

## Program Admission

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

## Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.I.S. in Environmental Science

### Area A: Essential Skills (9)

Required Course:

Math 1113      Precalculus (3) (or any higher level mathematics course)

### Area D: Science, Mathematics, and Technology (11)

1. Required Laboratory Science Sequence:

Geol 1121K      Introductory Geosciences I (4)

Geol 1122K      Introductory Geosciences II (4)

2. Math (3) Any one math not taken in Area A from the following choices: Math 1070, 1220, 2211, 2212 (or any higher level math). For any four credit-hour course, three hours are applied to Area D and one credit hour is applied to Area F.

### Area F: Courses Appropriate to the Major (18)

1. Required Courses:

Chem 1211K      General Chemistry I (4)

Chem 1212K      General Chemistry II (4)

2. Required Courses:

Biol 2107K      Principles of Biology I (4)

Biol 2108K      Principles of Biology II (4)

3. Two hour elective at 1000-2000 level chosen in consultation with faculty adviser.

### Area G: Area of Concentration—Environmental Science (33)

1. Required Course:

Geog 4648      Biogeography (4)

2. Required Course (choose one):

Geol 4017      Environmental Geology (4)

Geog 4644      Environmental Conservation (4)

3. Required Course:

Biol 4045K      General Ecology (4)

4. Select an additional 21 hours from approved list and in consultation with faculty adviser. No more than half of the courses in Area G can come from one discipline.

### Area H: Allied Field (22)

1. Required Courses:

Chem 2400      Organic Chemistry I (4)

Chem 3410      Organic Chemistry II (4)

2. Select eight hours:

Anth 4550, Anth 4590, Chem 4000, Chem 4010, Chem 4600, Engl 3110, Geog 4532, Geol 4002, Geol 4003, Phil 4520, Phys 3500

3. Select an additional six hours from approved list and in consultation with faculty adviser.

### Area J: Electives

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation

## 3250 Ethics

### Programs Offered:

#### Minor in Ethics

Department of Philosophy  
 34 Peachtree Street, Suite 1100  
<http://www.gsu.edu/philosophy>  
 George Rainbolt, Chair  
 Eddy Nahmias, Director of Undergraduate Studies

Ethical conduct is a vitally important part of any good life. There is a growing recognition that ethical behavior cannot be assumed. It often requires an education as to how to act ethically. The minor in Ethics does not seek to transform students into ethical people. Instead, it seeks to give them the skills and knowledge needed to confront the ethical dilemmas of life and work in a thoughtful and critical manner. The minor is designed to a complement to any major. Students with a major in business, education, the natural sciences, the social sciences, or the health and human sciences are particularly encouraged to consider a minor in Ethics.

### Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

#### Minor in Ethics

Select 15 semester hours from the following courses:

|           |                                         |
|-----------|-----------------------------------------|
| Phil 3720 | Contemporary Moral Problems (3)         |
| Phil 3730 | Business Ethics (3)                     |
| Phil 4650 | Religion and Ethics (3)                 |
| Phil 4670 | Church and State (3)                    |
| Phil 4680 | War, Peace, and Religion (3)            |
| Phil 4700 | Ethics (3)                              |
| Phil 4720 | Environmental Ethics (3)                |
| Phil 4740 | Advanced Biomedical Ethics (3)          |
| Phil 4800 | Social and Political Philosophy (3)     |
| Phil 4820 | Philosophy of Law (3)                   |
| Phil 4860 | Philosophical Perspectives on Women (3) |

The following courses may count towards the Ethics minor with the advance approval of the Director of Undergraduate Studies. No courses will be approved after the mid-point of the semester of the course.

|           |                                              |
|-----------|----------------------------------------------|
| Phil 3000 | Mortal Questions: The Search for Meaning (3) |
| Phil 3060 | Existentialism (3)                           |
| Phil 4030 | Topics in Ancient Philosophy (3)             |
| Phil 4050 | Topics in Modern Philosophy (3)              |
| Phil 4090 | Topics in Continental Philosophy (3)         |
| Phil 4095 | Topics in Analytic Philosophy (3)            |
| Phil 4900 | Issues in Philosophy (3)                     |

## 3260 Film and Video

### Programs Offered:

#### Bachelor of Arts in Film and Video

Department of Communication  
 1040 One Park Place South  
 404/651-3200  
<http://communication.gsu.edu>  
 David Cheshier, Chair  
 Kathryn Fuller-Seeley, Associate Chair

Doug Barthlow, Undergraduate Adviser

The disciplines of communication are concerned with the processes and effects of human communication in a variety of contexts ranging from interpersonal communication through the mass media. The Department of Communication provides courses of study that develop knowledge and skills in managing face-to-face communication, knowledge about the nature and social functions of the mass media, and the skills necessary for communication careers. Majors are offered in the areas of film and video, journalism, and speech.

The major in film and video is designed to provide the student with the knowledge and skills necessary to understand and apply this complex discipline in both an intellectual and artistic way. This is reflected in the program structure, which includes critical studies (history, theory, industry, and criticism), production (film, video, digital), and writing. Students will cover all of these areas but may specialize in one or two in their work. Internships are available in the Atlanta metro area and beyond.

Credit for special projects and internships is available in all majors and concentrations. Internships enable students who already have completed the appropriate course work and have met departmental eligibility criteria to take advantage of expertise in a variety of professional sectors in the metropolitan area and to tailor programs to their specific career goals.

## Program Academic Regulations

All 3000-4000 level Film/Video courses require students to have an overall Georgia State University Institutional GPA of 2.5 prior to enrollment. See the Department of Communication's website for more information at <http://communication.gsu.edu>.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.A. in Film and Video

#### Area F: Courses Appropriate to the Major Field (18)

1. Lang 1002            Elementary Foreign Language II (3)  
(See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.)
2. Required Courses (minimum grade of C is required). (6)  
Film 1010            Film Aesthetics and Analysis (3)  
Film 2700            History of the Motion Picture (3)
3. Electives: Select three courses. (9)  
AAS 2010, AH 1700, AH 1750, AH 1850, Econ 2105, Econ 2106, Engl 2050, Engl 2120, Engl 2130, Lang 1001 (if no previous experience with language), Lang 1002, Lang 2001, Lang 2002, Hist 1111, Hist 1112, Hist 1140, Hist 2110, Jour 2500, MuA 1500, MuA 1900, MuA 1930, Phil 2010, PolS 2101, PolS 2401, Psys 1101, Soci 1101, Soci 1160, Spch 1500, Spch 2500, Thea 2040, WSt 2010

#### Area G: Major Courses (24)

A grade of C or higher is required in all major courses.

1. Film Theory (4)  
Film 4750            Film Theory and Criticism (4)
2. Screenwriting, Production, and Industry. Select one course. (3-4)  
Film 4110            Postproduction (4)\*  
Film 4120            Production I (4)\*  
Film 4250            Producing for Film and Television (3)  
Film 4310            Feature Screenwriting I (3)  
Film 4800            Film and Media Industries (3)
3. Film History. Select one course. (4)  
Film 4170            American Film History I (4)  
Film 4180            International Cinemas (4)  
Film 4210            Critical History of Television (4)  
Film 4350            Film and History (4)  
Film 4960            American Film History II (4)
4. Critical Studies. Select one course. (3-4)  
Film 4125            Community-Based Media Production (4)\*  
Film 4240            Documentary Film (4)  
Film 4260            Film and Literature (4)  
Film 4280            Film Genres (4)  
Film 4760            African Americans in Film (4)

|           |                               |
|-----------|-------------------------------|
| Film 4765 | Gender and Film (3)           |
| Film 4776 | Africa in Hollywood (4)       |
| Film 4810 | Media and Popular Culture (4) |

5. Electives. Select a sufficient number of the following courses to bring the course total to the 24 credit hours which complete the major. Any other 3000 or 4000-level Film class not already used to fulfill the requirements for Sections 1-4 can be taken as an elective

|           |                                                       |
|-----------|-------------------------------------------------------|
| Film 3000 | Lighting Design for Theatre, Film, and Television (4) |
| Film 3300 | Dramatic Writing for Stage and Screen (3)             |
| Film 4000 | Acting for the Camera (4)                             |
| Film 4130 | Production II (4)*                                    |
| Film 4320 | Feature Screenwriting II (3)                          |
| Film 4780 | Special Topics (4)                                    |
| Film 4840 | Computer Graphic Imaging (3)                          |
| Film 4841 | Computer Animation (3)                                |
| Film 4880 | Honors Thesis: Writing (3-6)                          |
| Film 4980 | Internship (1-6)                                      |

**\* To enroll in Film 4110, 4120, 4215 and 4130, students must receive departmental authorization. To be considered, students must have (1) a 3.0 grade-point average, and (2) submit the appropriate course application to the Department of Communication by October 15 or April 15 of the year of their eligibility prior to registration in semesters when Film 4110, 4120, 4125 and 4130 are offered.**

#### **Area H: Minor and Additional Courses**

1. Students majoring in Film/Video must select a minor consisting of at least 15 hours of courses in an academic department/school/institute that offers a baccalaureate degree. At least nine semester hours of minor courses must be at the 3000 level or above, unless otherwise specified by the minor-granting department/school/institute. A grade of C or higher is required in all minor courses.

#### **Minor in Film and Video**

Students who wish to minor in one of the department's three programs must take 15-18 hours in the specific area, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in the specific area may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## **3270 French**

#### **Programs Offered:**

**Bachelor of Arts in French**

**Concentration in Literature**

**Concentration in Foreign Language Education**

**Concentration in Language and International Business**

**Bachelor of Arts in French and M.I.B. Joint Degree**

**Minor in French**

Department of Modern and Classical Languages  
841 General Classroom Building  
404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

The Department of Modern and Classical Languages serves a threefold purpose: to encourage an appreciation of humanistic values through the study of foreign languages, literatures, and cultures; to teach foreign languages as a means of communication; and to prepare students for academic careers and the opportunities available in the field of international business. As part of a dynamic urban university in a city of growing international awareness and status, the department is fulfilling its responsibility to meet the increasing foreign language needs of the governmental, business, and professional communities.



The department recognizes that an active command of the foreign language and a thorough exploration of the foreign culture form an essential basis for further study in the various areas of its curriculum. To this end, the department sponsors a study-abroad program in Tours (France).

The department maintains a state-of-the-art multimedia Language Acquisition and Resource Center (LARC) with a digital audio laboratory with 50 student computer workstations. The digital lab serves a dual purpose in allowing both independent student access to digitized audio files and interactive software that accompanies the language texts, and also in providing a multimedia environment for teacher-led listening, speaking, and recording activities. In addition to the audio lab, the LARC features a tutoring center and resource library, as well as five stand-alone computers for student use. To assist in the development of the student's active language skills and to provide added cultural enrichment, the LARC contains a wide range of audiovisual materials, including a growing collection of videos, CD Roms and DVDs.

The department sponsors two Freshman Learning Communities each year. One group is designed for students interested in using their foreign language in international business. The other, sponsored jointly by the Department of Applied Linguistics/ESL, is in Language Studies.

For students who hope to teach at the K-12 levels, the department offers concentrations that lead to certification in French, German, Latin, and Spanish.

For students who view language study as a preparation for a career in the business world, the department has two special programs: a concentration in the business language of French, German, and Spanish; and a practicum in an internationally oriented business or service organization in the metro area for qualified and interested students in their senior year.

The department is also a testing center for diplomas certifying proficiency in business language and procedures. These diplomas are granted by chambers of commerce in various countries.

All foreign language majors are encouraged to consult regularly with their departmental adviser in designing and following a program of study that fits their own career objective and the requirements of their particular concentration.

## Program Degree Requirements

In addition to courses in the language major, students are advised to choose courses in other areas that complement their language study. Such courses include other languages, history, philosophy, art and music, business, and education. Faculty advisers in the department are eager to discuss students' academic plans as they design their course of study.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.A. in French

### Area F: Courses Appropriate to the Major (18)

1. Majors must achieve competence at the intermediate level before beginning courses at the 3000 level. They may demonstrate competence through placement exam scores, including the CLEP exam, prior study, or courses taken at Georgia State University. The following may be counted in Area F, as required (0-9 hours): Fren 1002, Fren 2001, Fren 2002. Required Courses (0-6)
2. Students may complete Area F with any combination of the following (0-18 hours):
  - a. Any courses in other foreign languages, 1001-2203/2501 level.
  - b. Electives in the Department of Modern and Classical Languages.  
Clas 2201, Clas 2202, Clas 2203, Fren 2212, Fren 2216, Grmn 2216, Ital 2211, Span 2213, Span 2216
  - c. Electives in other departments.  
AL 2101, AL 2102, Anth 2020, AH 1700, AH 1750, Econ 2105, Econ 2106, Engl 2110, Engl 2120, Engl 2130, EDUC 2110, EDUC 2120, EDUC 2130, EXC 4020, Hist 1111, Hist 1112, Film 1010, Jour 1010, Phil 2010, PolS 2401, WSt 2010

### Area G: Major Courses (30)

The major in French consists of 30 hours (ten courses) on the 3000/4000 level. Prerequisite for all courses on the 3000 level is French 2002. Prerequisite for all courses at the 4000 level is the completion of the three courses at the 3000 level.

1. Major Requirements (9)
 

|           |                                                    |
|-----------|----------------------------------------------------|
| Fren 3013 | Intensive Grammar Review (3)                       |
| Fren 3023 | Advanced Conversation and Composition (3)          |
| Fren 3033 | Introduction to the Analysis of Literary Texts (3) |
2. Concentration Courses (21)

### Literature Concentration

- a. Fren 4103 History of French Civilization (3)
- b. Select four courses. (12)
 

|           |                                                |
|-----------|------------------------------------------------|
| Fren 4203 | Medieval and Renaissance French Literature (3) |
| Fren 4303 | French Literature of the Classical Period (3)  |

- Fren 4403 French Literature of the Enlightenment (3)
- Fren 4414 Special Topics in French Literature (3)
- Fren 4503 French Romanticism, Realism, and Symbolism (3)
- Fren 4613 French Literature of the Twentieth Century I (3)
- Fren 4623 French Literature of the Twentieth Century II (3)
- Fren 4633 Francophone Literature (3)
- c. Select two additional courses in French at the 3000/4000 level (6)

### **Foreign Language Education Concentration**

- a. Concentration Requirements (6)
  - Fren 4103 History of French Civilization (3)
  - Fren 4123 Contemporary France (3)
- b. Select two courses. (6)
  - Fren 4203 Medieval and Renaissance French Literature (3)
  - Fren 4303 French Literature of the Classical Period (3)
  - Fren 4403 French Literature of the Enlightenment (3)
  - Fren 4414 Special Topics in French Literature (3)
  - Fren 4503 French Romanticism, Realism, and Symbolism (3)
  - Fren 4613 French Literature of the Twentieth Century I (3)
  - Fren 4623 French Literature of the Twentieth Century II (3)
  - Fren 4633 Francophone Literature (3)
- c. Select three additional courses in French at the 3000/4000 level (9)

### **Requirements for Teacher Certification**

Students who wish to be certified to teach French in the public schools of Georgia should choose the courses listed under the “Foreign Language Education Concentration” above and the following methodology courses in the Department of Modern and Classical Languages: ForL 3021, 3022, 4025, 4026, and 4030. All students will register for Student Teaching (ForL 4061/4062/4063).

All students seeking certification in French must pass the following courses in the College of Education with a grade of C or higher: EDUC 2110, EDUC 2120, EDUC 2130, IT 3210, and EXC 4020.

Students must apply formally and be admitted to the Teacher Education program in foreign languages. Application forms are available in the department (841 GCB). See “Teacher Preparation Programs” chapter of this catalog. To qualify for the Student Teaching experience, students must receive a grade of B or higher on a departmental test of oral and written proficiency in their target languages. Specific information about date and place of these exams is available in the department office (841 GCB). In order to be recommended for K-12 certification in French students must complete all courses taken in the Department of Modern and Classical Languages (the major and ForL courses) with a grade of B or higher.

### **Language and International Business Concentration**

- a. Concentration Requirements (12)
  - Fren 4033 French for International Business I (3)
  - Fren 4043 French for International Business II (3)
  - Fren 4053 Advanced Grammar and Translation (3)
  - Fren 4123 Contemporary France (3)
- b. Select one course. (3)
  - Fren 4203 Medieval and Renaissance French Literature (3)
  - Fren 4303 French Literature of the Classical Period (3)
  - Fren 4403 French Literature of the Enlightenment (3)
  - Fren 4414 Special Topics in French Literature (3)
  - Fren 4503 French Romanticism, Realism, and Symbolism (3)
  - Fren 4613 French Literature of the Twentieth Century I (3)
  - Fren 4623 French Literature of the Twentieth Century II (3)
  - Fren 4633 Francophone Literature (3)
- c. Select two additional courses in French at the 3000/4000 level (6)

### **Area H: Minor and Additional Courses**

1. French majors are not required to take a minor. French majors who choose a minor in other departments/schools/institutes are encouraged to select courses that are appropriate to their area of concentration. Students are also urged to

consider combining their major with a second major in another language or another discipline under the Double Major option.

2. Up to six additional hours may be taken in the major.

### **Bachelor of Arts in French and M.I.B. Joint Degree Program**

Highly qualified and highly motivated students interested in languages and international business may apply for this joint-degree program that leads to an undergraduate degree in French and a Master of International Business. It is a demanding program that combines classroom study of French with the international business curriculum. There will be at least one mandatory internship abroad in the final year, with a second strongly recommended study or work experience abroad, usually during the third or fourth year. Completion of the program in five years will mean that students must be willing to attend classes in the summer, as necessary. For further information please contact: Department of Modern and Classical Languages, 841 General Classroom Building, 404/651-2265, e-mail: mclinfo@gsu.edu.

### **Bachelor of Arts Major in International Economics and Modern Languages Program Admission**

There are no admission requirements above the requirements for admission to the University for enrollment in the B. A. program with a major in international economics and modern languages.

### **Program Financial Information**

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

### **Program Degree Requirements**

For degree credit, a minimum grade of C must be attained in Engl 1101 and 1102 and all courses in the economics common core curriculum and modern languages core curriculum.

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the "University Degree Requirements and Graduation" chapter of this catalog. The number of semester credit hours required for each section is shown in parentheses.

#### **Area F: Courses Appropriate to the Major (18)**

|           |                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------|
| Econ 2105 | Principles of Macroeconomics                                                                              |
| Econ 2106 | Principles of Microeconomics                                                                              |
| Math 1070 | Elementary Statistics - If taken in Area D, a 1000/2000 level elective from Areas A-E may be substituted. |
| Fren 2001 | Intermediate French I                                                                                     |
| Fren 2002 | Intermediate French II                                                                                    |

Note: Students who have not already attained elementary-level proficiency in their chosen language will be required to take prerequisite courses: Fren, Grmn, or Span 1001 and/or 1002. In that case, the 1002 language course may be used to satisfy 3 credit hours of core requirements in Area C, Humanities and Fine Arts.

Students who have already attained intermediate-level competency in the primary language may substitute 1000/2000 level courses in another language for Fren, Grmn or Span 2001/2002 (or Span 2203 or Span 2501) upon approval of the Department of Modern and Classical Languages advisor.

Elective: one 1000/2000 level course chosen from Areas A-E.

#### **Area G: Economics Common Core Curriculum (24)** A minimum grade of C is required for all courses in this area.

|           |                       |
|-----------|-----------------------|
| Econ 3900 | Macroeconomics        |
| Econ 3910 | Microeconomics        |
| Econ 4600 | Economic Development  |
| Econ 4800 | International Trade   |
| Econ 4810 | International Finance |

Choose 3 elective 4000-level Econ courses (9)

#### **Area H: Modern Languages Common Core (24)** A minimum grade of C is required for all courses in this area.

|           |                                            |
|-----------|--------------------------------------------|
| Fren 3013 | Intensive Grammar Review                   |
| Fren 3023 | Advanced Conversation and Composition      |
| Fren 3033 | Introduction to Analysis of Literary Texts |
| Fren 4033 | French for International Business I        |

Fren 4043 French for International Business II  
 Fren 4053 Advanced Grammar and Translation  
 Fren 4123 Contemporary France  
 Choose 1 elective Fren 3000/4000 course (3)

**Area I: Electives (12)** Choose any four 3000/4000 level courses, in consultation with the faculty advisor.

### Minor in French

Students who wish to minor in French must take 15-18 hours in courses in French, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## 3280 Geosciences

### Programs Offered:

#### Bachelor of Arts in Geography

- Concentration in General Geography
- Concentration in Human Geography
- Concentration in Physical Geography
- Concentration in Geographic Information Science
- Concentration in Pre-Education

#### Minor in Geography

#### Bachelor of Science in Geology

- Concentration in General Geology
- Concentration in Environmental Geology
- Concentration in Earth Science

#### Minor in Geology

Department of Geosciences

340 Kell Hall

404/651-2272

<http://monarch.gsu.edu/geosciences/>

Timothy E. LaTour, Chair

Jeremy E. Diem, Undergraduate Director for Geography

Hassan A. Babaie, Undergraduate Director for Geology

Geoscience is the broad study of the earth, including the earth's interior, its surface, its atmosphere, and its people. Traditionally these subjects have been separated into several fields that include Geology and Geography, and this distinction may still be somewhat appropriate; however, some of the subject matter with which Geography and Geology are concerned can be claimed by both. Taking advantage of this, the Department of Geosciences seeks to make available to students instruction and experiences that exploit the complementary nature of Geology and Geography.

The Department of Geosciences offers the B.A. degree in Geography with five concentrations: General Geography, Human Geography, Physical Geography, Geographic Information Science, and Pre-Education; and the B.S. degree in Geology with three concentrations: General Geology, Environmental Geology, and Earth Science.

### 3280.10 Geography Program

Jeremy E. Diem, Undergraduate Director for Geography

Geography is the study of the relationships among people, places, society, and the environment. The geography major has been designed to enable the student to develop a broad understanding of social and environmental issues, attain depth in a specialized area within geography, and acquire skills needed to gain employment and carry out lifelong learning. In order to assist students in attaining depth, the following concentrations are offered: human geography, physical geography, and geographic information science. General geography and pre-education are two additional concentration options.

An undergraduate degree in geography affords someone many opportunities for employment in both the public sector and the private sector. Geographers generally find employment as cartographers, city/regional planners, conservationists, environmental managers, environmental regulators, Geographic Information System (GIS) specialists, historic preservationists, location analysts, and as physical scientists working for the government. In addition, with the diversity of their liberal arts training, geographers also qualify for professional management positions as well as more traditional work as teachers.

An undergraduate degree in geography also provides a solid intellectual foundation for people getting advanced degrees in either the social or natural sciences. In addition, to being given substantial flexibility with respect to their selection of undergraduate courses, geography majors are required to take multiple upper-division courses in human geography, physical geography, and geographic information science. Finally, the concentration within geography enables geography majors to begin to find their intellectual niche.

Students interested in any geography course, or in majoring or minoring in the geography program, are invited to contact the geography undergraduate adviser to discuss how the geography program may best help make their college experience positive and productive.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.A. in Geography

#### Areas A-E: Core Curriculum Recommendations

Students majoring in geography are expected to complete Geog 1101 (in Areas E or F), Geog 1112 and 1113 (in Areas D or F), Geog 2206, and Math 1070 (in Area D or F) with a grade of C or higher.

#### Area F: Courses Appropriate to the Major Field (18)

1. Required Courses (3-17)
 

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| Geog 1101 | Introduction to Human Geography (3) (if not taken in Area E)     |
| Geog 1112 | Introduction to Weather and Climate (4) (if not taken in Area D) |
| Geog 1113 | Introduction to Landforms (4) (if not taken in Area D)           |
| Geog 2206 | Introductory Mapping and Geographic Information Science (4)      |
| Math 1070 | Elementary Statistics (3) (if not taken in Area D)               |
2. Select additional courses from the following to complete the 18 hours in Area F.  
Any geography course at the 1000/2000 level not taken in Area E. AAS 2010, Anth 2030, Anth 2020, Econ 2105, Econ 2106, Geol 1121, Geol 1122, Geol 2001, Hist (any course not taken in Area E), Lang 1001 (if student has no previous experience with language), Lang 1002, Phil 1010, PolS 1101, PolS 2401, Psyc 1101, Soci 1101, Soci 1160, WSt 2010.

#### Area G: Major Courses (34-40)

A grade of C or higher is required in all major courses.

1. Major Requirements (26)
 

|           |                                   |
|-----------|-----------------------------------|
| Geog 4518 | Digital Cartography (4)           |
| Geog 4520 | Quantitative Spatial Analysis (4) |
| Geog 4644 | Environmental Conservation (4)    |
| Geog 4764 | Urban Geography (4)               |
| Geog 4778 | Political Geography (3)           |
| Geog 4784 | Climatic Change (3)               |
| Geog 4830 | Senior Seminar (4)                |
2. Geography majors may select concentrations in General Geography, Human Geography, Physical Geography, Geographic Information Science, or Pre-Education.

### General Geography Concentration

Students must fulfill the major requirements and take three additional geography courses at the 3000 level or higher.

### Human Geography Concentration

Students must fulfill the major requirements and select three courses from the following:

- |           |                                                   |
|-----------|---------------------------------------------------|
| Geog 4408 | Geography of the Middle East and North Africa (4) |
| Geog 4760 | Cultural Geography (3)                            |
| Geog 4762 | Economic Geography (4)                            |

|           |                                                            |
|-----------|------------------------------------------------------------|
| Geog 4768 | Metropolitan Atlanta (3)                                   |
| Geog 4772 | Geography of Urban and Regional Development (3)            |
| Geog 4774 | Contemporary Urban Theory and Issues (3)                   |
| Geog 4780 | Advanced Systematic Geography (3) (if topic is applicable) |

### Physical Geography Concentration

Students must fulfill the major requirements and select three courses from the following:

|           |                                                            |
|-----------|------------------------------------------------------------|
| Geog 4640 | Geomorphology (4)                                          |
| Geog 4642 | Advanced Weather and Climate (4)                           |
| Geog 4646 | Water Resources Management (4)                             |
| Geog 4648 | Biogeography (4)                                           |
| Geog 4650 | Applied Hydrology (4)                                      |
| Geog 4670 | Introduction to Oceanic Environments (3)                   |
| Geog 4680 | Aqueous Geochemistry (4)                                   |
| Geog 4780 | Advanced Systematic Geography (3) (if topic is applicable) |

### Geographic Information Science Concentration

Students must fulfill the major requirements and select three courses from the following:

|           |                                                            |
|-----------|------------------------------------------------------------|
| Geog 4530 | Introduction to Remote Sensing (4)                         |
| Geog 4532 | Geographic Information Systems (4)                         |
| Geog 4533 | Introduction to GIS Applications (4)                       |
| Geog 4534 | Advanced Geographic Information Systems (4)                |
| Geog 4536 | Internet GIS and Visualization (4)                         |
| Geog 4780 | Advanced Systematic Geography (3) (if topic is applicable) |

### Pre-Education Concentration

The Social Studies Education Concentration in Geography is designed for students who want to be secondary school teachers. This degree provides the initial teaching preparation for the Alternative M.Ed. Program in Social Studies Education in the College of Education at Georgia State University, or similar Master's degrees at other universities. Students pursuing this concentration must complete all major requirements and choose three allied fields from other departments, taking a minimum of nine hours of 3000-4000 level courses in each allied field. Students with a concentration in Geography may choose the following allied fields.

Anthropology, Psychology, or Sociology (select one)  
Economics  
History  
Political Science

Geography as an allied field consists of any three geography courses at the 3000 level or higher.

### Area H: Minor and Additional Courses

Students majoring in geography are not required to take a minor.

### Minor in Geography

Students choosing to complete a minor in geography should complete the following requirements (1 and 2). (15-20). A grade of C or higher is required in all courses counting toward the minor. Students taking more than 15 hours in geography courses may count the additional hours toward their electives or may consider completing a double major.

1. Select one course
 

|           |                                         |
|-----------|-----------------------------------------|
| Geog 1101 | Introduction to Human Geography (3)     |
| Geog 1112 | Introduction to Weather and Climate (4) |
| Geog 1113 | Introduction to Landforms (4)           |
2. Select at least 12 hours of geography courses at the 3000 level or higher.

## 3280.20 Geology Program

Hassan A. Babaie, Undergraduate Director for Geology



Philosopher Will Durant once remarked, “Civilization exists by geological consent, subject to change without notice.” Almost every day we are reminded how large a role geology plays in our lives, whether it be earthquakes, volcanic eruptions, tsunamis, contaminated water supplies, rising oil prices, or the cost of emeralds, sapphires, and gold.

Geology is the science of the earth. Geological research includes studies of minerals and rocks that compose the earth’s surface and interior, the geometry and interrelationships of rock masses, the structural configuration of the earth, and fluids within the earth. Geology also includes the study of modern physical processes and interpretation of the earth’s physical and biological evolution through billions of years of geologic time and into the future. Because of our critical dependence on the earth, appreciation of geology is essential if we are to make informed and enlightened decisions on how to use and protect our planet.

Many career opportunities allow for practical application of geology in industry, consulting firms, and governmental agencies at all levels. Practical and essential applications of geology include development and wise use of water resources, both surface and subsurface; land-use planning for urban, suburban, and rural development; exploration for and development of mineral and energy resources including petroleum; and development of environmentally sound strategies for hazardous waste disposal and treatment. The curriculum leading to the B.S. degree in geology is excellent preparation for graduate work in geoscience and environmental science. For students who are interested in geoscience and environmental science but who intend to pursue graduate or advanced study in other fields, for example environmental law or business, the geology B.S. degree may still be an appropriate choice.

The Department of Geosciences offers the B.S. degree with three concentrations: General Geology, Environmental Geology, and Earth Science. The Environmental and Earth Science concentrations are for students seeking strong preparation for entering the work force with the B.S. degree.

The Environmental concentration emphasizes the study of ground water and the delicate environmental balances of the natural world. The Earth Science concentration emphasizes the measure and graphical depiction of geological features and processes. Both are excellent preparation for jobs in the environmental area and for graduate work in environmental geology. The concentration in general geology is the most traditional of the programs, designed to prepare the student for graduate studies or employment in a wide variety of geoscience areas. It features the greatest flexibility in selection and scheduling of courses. Specific requirements for the concentrations are shown below.

Majors should be aware that there are prerequisites for many geology courses and that several courses are offered only once a year. As soon as they have selected the geology major, students must consult with department advisers to be informed in these matters and to ensure that programs of study accord with their specific career aspirations and needs. The department participates actively in the university’s Cooperative Education Program, whereby the student can work and attend school at the same time or in alternate years. The program enables students to develop long-term career opportunities while in school. Because of the potential complexities of such a program, students are encouraged to seek early advisement in the department. Co-op students also should discuss their academic plans and curriculum options with their employers.

## Program Financial Information

Courses with labs and/or field trips require purchase of lab fee cards. A field camp fee is required for Geol 4120/4121.

## Program Degree Requirements

All curricula leading to a B.S. degree in geology include the following requirements: Geol 1121K, 1122K, 3002, 4006, 4013, 4015, 4016, 4095, 4120, 4121; Chem 1211K, 1212K. All students must also take one of the following allied science sequences: Biol 1103K/1104K; or Biol 2107K/2108K; or Phys 1111K/1112K; or Phys 2211K/2212K. Note: Physics recommended.

Students in all concentrations must take either the Math 2211/2212 sequence or the following pair of math courses: Math 1070 and 1220. The Math 2211/2212 sequence is strongly recommended for students planning to go to graduate school in geology or any other natural science, or to seek employment where a year of calculus is required or expected. Students are strongly urged to consult with the departmental adviser to determine which pair of mathematics courses would be more appropriate.

In completing their requirements, all students follow a concentration in General Geology, Environmental Geology, or Earth Science. The choice should be based on the student’s interests and expectations, within the context of the concentration differences described above.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.S. in Geology

### Areas A-E: Core Curriculum Recommendations

1. Required course:  
Math 1113      Precalculus (3) (or higher-level mathematics course)
2. Area D:

Recommended courses:

Geol 1121K      Introductory Geosciences I (4)

Geol 1122K      Introductory Geosciences II (4)

Required course:

Math 1070      Elementary Statistics (3) or

Math 2211      Calculus of One Variable I (4) (or higher-level mathematics course)

Credit hours not needed in Area D will count in Area F or in the second 60 hours beyond the core curriculum.

### **Area F: Courses Appropriate to the Major Field (18)**

1. Required Courses\*:

Math 1220      Survey of Calculus (3) (if Math 1070 taken for Area D), or

Math 2212      Calculus of One Variable II (4) (if Math 2211 taken for Area D)

Chem 1211K      General Chemistry I (4)

Chem 1212K      General Chemistry II (4)

Geol 1121K      Introductory Geosciences I (4) (if not taken in Area D)

Geol 1122K      Introductory Geosciences II (4) (if not taken in Area D)

2. Select one two-course sequence from the following four sets, plus additional hours of any natural science or mathematics as needed, to complete 18 hours in Area F.

Phys 1111K      Introduction to Physics I (4)

Phys 1112K      Introduction to Physics II (4) or

Phys 2211K      Principles of Physics I (4)

Phys 2212K      Principles of Physics II (4) or

Biol 1103K      Introductory Biology I (4)

Biol 1104K      Introductory Biology II (4) or

Biol 2107K      Principles of Biology I (4)

Biol 2108K      Principles of Biology II (4)

\*Credit hours not needed in Area F will count in the second 60 hours beyond the core curriculum.

### **Area G: Major Courses (39)**

A grade of C or higher is required in all major courses.

1. Geology majors must select concentrations in General Geology, Environmental Geology, or Earth Science.

#### **General Geology Concentration (27)**

Geol 3002      Introduction to Earth Materials (4)

Geol 4006      Sedimentary Environments and Stratigraphy (4)

Geol 4013      Structural Geology (4)

Geol 4015      Crystallography and Optical Mineralogy (4)

Geol 4016      Igneous and Metamorphic Petrology (4)

Geol 4095      Seminar in Geological Sciences (1)\*

Geol 4120      Basic Field Geology (3)

Geol 4121      Advanced Field Geology (3)

#### **Environmental Geology Concentration (35)**

Courses listed for General Geology concentration (27)

Geol 4007      Hydrogeology (4)

Geol 4017      Environmental Geology (4)

#### **Earth Science Concentration (35)**

Courses listed for General Geology concentration (27)

Geol 4530      Introduction to Remote Sensing (4)

Geog 4532      Geographic Information Systems (4)

2. Geology Electives: Select additional courses for a total of 39 semester hours. (4-12)

Geol 4002      Oceanography (3)

Geol 4003      Aqueous Geochemistry (4)

Geol 4005      Geology of Georgia (3)

Geol 4007      Hydrogeology (4)\*\*

|           |                                                 |
|-----------|-------------------------------------------------|
| Geol 4011 | Principles of Paleontology (4)                  |
| Geol 4017 | Environmental Geology (4)**                     |
| Geol 4018 | Carbonate Geology (3)                           |
| Geol 4019 | Field Experience in Carbonate Geology (1)       |
| Geol 4042 | Analytical Methods (2)                          |
| Geol 4095 | Seminar in Geological Sciences (1)*             |
| Geol 4097 | Topics in Geological Sciences (1-3)             |
| Geol 4098 | Independent Research in Geological Sciences (3) |
| Geol 4530 | Introduction to Remote Sensing (4)              |
| Geol 4640 | Geomorphology (4)                               |
| Geol 4644 | Environmental Conservation (4)***               |
| Geol 4870 | Honors Thesis: Research (3)                     |
| Geol 4880 | Honors Thesis: Writing (3)                      |

\*May be taken multiple times, but a maximum of two hours may be applied to the degree.

\*\*Does not count if taken to satisfy Area G1.

\*\*\*Allowed for concentration in Environmental Geology only.

#### **Area H: Minor and Additional Courses**

Geology majors are not required to complete a minor.

### **Minor in Geology**

Students who wish to minor in geology must take 15-18 hours in courses in geology, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in geology may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## **3290 German**

### **Programs Offered:**

**Bachelor of Arts in German**

**Concentration in Literature**

**Concentration in Foreign Language Education**

**Concentration in Language and International Business**

**Bachelor of Arts in German and M.I.B. Joint Degree**

**Minor in German**

Department of Modern and Classical Languages

841 General Classroom Building

404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

The Department of Modern and Classical Languages serves a threefold purpose: to encourage an appreciation of humanistic values through the study of foreign languages, literatures, and cultures; to teach foreign languages as a means of communication; and to prepare students for academic careers and the opportunities available in the field of international business. As part of a dynamic urban university in a city of growing international awareness and status, the department is fulfilling its responsibility to meet the increasing foreign language needs of the governmental, business, and professional communities.

The department recognizes that an active command of the foreign language and a thorough exploration of the foreign culture form an essential basis for further study in the various areas of its curriculum.

The department maintains a state-of-the-art multimedia Language Acquisition and Resource Center (LARC) with a digital audio laboratory with 50 student computer workstations. The digital lab serves a dual purpose in allowing both independent student access to digitized audio files and interactive software that accompanies the language texts, and also in providing a multimedia environment for teacher-led listening, speaking, and recording activities. In addition to the audio lab, the LARC features a tutoring center and resource library, as well as five stand-alone computers for student use. To assist in the develop-

ment of the student's active language skills and to provide added cultural enrichment, the LARC contains a wide range of audiovisual materials, including a growing collection of videos, CD Roms and DVDs.

The department sponsors two Freshman Learning Communities each year. One group is designed for students interested in using their foreign language in international business. The other, sponsored jointly by the Department of Applied Linguistics/ESL, is in Language Studies.

For students who hope to teach at the K-12 levels, the department offers concentrations that lead to certification in French, German, Latin, and Spanish.

For students who view language study as a preparation for a career in the business world, the department has two special programs: a concentration in the business language of French, German, and Spanish; and a practicum in an internationally oriented business or service organization in the metro area for qualified and interested students in their senior year.

The department is also a testing center for diplomas certifying proficiency in business language and procedures. These diplomas are granted by chambers of commerce in various countries.

All foreign language majors are encouraged to consult regularly with their departmental adviser in designing and following a program of study that fits their own career objective and the requirements of their particular concentration.

## **Program Degree Requirements**

In addition to courses in the language major, students are advised to choose courses in other areas that complement their language study. Such courses include other languages, history, philosophy, art and music, business, and education. Faculty advisers in the department are eager to discuss students' academic plans as they design their course of study.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## **B.A. in German**

### **Area F: Courses Appropriate to the Major (18)**

The following requirements and options are appropriate for majors in German.

1. Majors must achieve competence at the intermediate level before beginning courses at the 3000 level. They may demonstrate competence through placement exam scores, including the CLEP exam, prior study, or courses taken at Georgia State University. The following may be counted in Area F, as required (0-9 hours): Grmn 1002, Grmn 2001, Grmn 2002.
2. Students may complete Area F with any combination of the following (0-18 hours):
  - a. Any courses in other foreign languages, 1001-2203/2501 level.
  - b. Electives in the Department of Modern and Classical Languages.  
Clas 2201, Clas 2202, Clas 2203, Fren 2212, Fren 2216, Grmn 2216, Ital 2211, Span 2213, Span 2216
  - c. Electives in other departments.  
AL 2101, AL 2102, Anth 2020, AH 1700, AH 1750, Econ 2105, Econ 2106, Engl 2110, Engl 2120, Engl 2130, EDUC 2110, EDUC 2120, EDUC 2130, EXC 4020, Film 1010, Hist 1111, Hist 1112, Jour 1010, Phil 2010, PolS 2401, WSt 2010

### **Area G: Major Requirements (30)**

The major in German consists of 30 hours (10 courses) on the 3000/4000 level. Prerequisite for all courses on the 3000 level is German 2002. Prerequisite for all courses at the 4000 level is the completion of at least 3 of the 4 courses at the 3000 level.

1. Major Requirements (12)
 

|           |                                                  |
|-----------|--------------------------------------------------|
| Grmn 3301 | Advanced German I (3)                            |
| Grmn 3302 | Advanced German II (3)                           |
| Grmn 3311 | Introduction to Reading German Literature I (3)  |
| Grmn 3312 | Introduction to Reading German Literature II (3) |
2. Concentration Courses (18)

### **Literature Concentration**

|           |                                             |
|-----------|---------------------------------------------|
| Grmn 4402 | Advanced Grammar: Morphology and Syntax (3) |
| Grmn 4411 | Survey of German Literature I (3)           |
| Grmn 4412 | Survey of German Literature II (3)          |
| Grmn 4414 | Topics in German Literature (3)             |
| Grmn 4421 | Introduction to German Civilization (3)     |
| Grmn 4422 | Contemporary Germany (3)                    |

### **Foreign Language Education Concentration**

|           |                                             |
|-----------|---------------------------------------------|
| Grmn 4401 | Phonetics and Phonology (3)                 |
| Grmn 4402 | Advanced Grammar: Morphology and Syntax (3) |

|          |                                         |
|----------|-----------------------------------------|
| Gmn 4411 | Survey of German Literature I (3)       |
| Gmn 4412 | Survey of German Literature II (3)      |
| Gmn 4421 | Introduction to German Civilization (3) |
| Gmn 4422 | Contemporary Germany (3)                |

**Requirements for Teacher Certification**

Students who wish to be certified to teach German in the public schools of Georgia should choose the courses listed under the “Foreign Language Education Concentration” above and the following methodology courses in the Department of Modern and Classical Languages: ForL 3021, 3022, 4025, 4026, and 4030. All students will register for Student Teaching (ForL 4061/4062/4063).

All students seeking certification in German must pass the following courses in the College of Education with a grade of C or higher: EDUC 2110, EDUC 2120, EDUC 2130, EXC 4020, and IT 3210.

Students must apply formally and be admitted to the Teacher Education program in foreign languages. Application forms are available in the department (841 GCB). See “Teacher Preparation Programs” chapter of this catalog. To qualify for the Student Teaching experience, students must receive a grade of B or higher on a departmental test of oral and written proficiency in their target languages. Specific information about date and place of these exams is available in the department office (841 GCB).

In order to be recommended for K-12 certification in German, students must complete all courses taken in the Department of Modern and Classical Languages (the major and ForL courses) with a grade of B or higher.

**Language and International Business Concentration**

|          |                                             |
|----------|---------------------------------------------|
| Gmn 4402 | Advanced Grammar: Morphology and Syntax (3) |
| Gmn 4421 | Introduction to German Civilization (3)     |
| Gmn 4422 | Contemporary Germany (3)                    |
| Gmn 4431 | German for International Business I (3)     |
| Gmn 4432 | German for International Business II (3)    |
| Gmn 4435 | Techniques of Translation (3)               |

**Area H: Minor and Additional Courses**

1. Foreign language majors are not required to take a minor. Foreign language majors who choose a minor in other departments/schools/institutes are encouraged to select courses that are appropriate to their area of concentration. Students are also urged to consider combining their major with a second major in another language or another discipline under the Double Major option.
2. Up to six additional hours may be taken in the major.

**Bachelor of Arts in German and M.I.B. Joint Degree Program**

Highly qualified and highly motivated students interested in languages and international business may apply for this joint-degree program that leads to an undergraduate degree in German and a Master of International Business. It is a demanding program that combines classroom study of German with the international business curriculum. There will be at least one mandatory internship abroad in the final year, with a second strongly recommended study or work experience abroad, usually during the third or fourth year. Completion of the program in five years will mean that students must be willing to attend classes in the summer, as necessary. For further information please contact: Department of Modern and Classical Languages, 841 General Classroom Building, 404/651-2265, e-mail: mclinfo@gsu.edu.

**Bachelor of Arts Major in International Economics and Modern Languages  
Program Admission**

There are no admission requirements above the requirements for admission to the University for enrollment in the B. A. program with a major in international economics and modern languages.

**Program Financial Information**

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

**Program Degree Requirements**

For degree credit, a minimum grade of C must be attained in Engl 1101 and 1102 and all courses in the economics common core curriculum and modern languages core curriculum.

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the “University Degree Requirements and Graduation” chapter of this catalog. The number of semester credit hours required for each section is shown in parentheses.

**Area F: Courses Appropriate to the Major (18)**

|           |                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------|
| Econ 2105 | Principles of Macroeconomics                                                                              |
| Econ 2106 | Principles of Microeconomics                                                                              |
| Math 1070 | Elementary Statistics - If taken in Area D, a 1000/2000 level elective from Areas A-E may be substituted. |
| Grmn 2001 | Intermediate German I                                                                                     |
| Grmn 2002 | Intermediate German II                                                                                    |

Note: Students who have not already attained elementary-level proficiency in their chosen language will be required to take prerequisite courses: Fren, Grmn, or Span 1001 and/or 1002. In that case, the 1002 language course may be used to satisfy 3 credit hours of core requirements in Area C, Humanities and Fine Arts.

Students who have already attained intermediate-level competency in the primary language may substitute 1000/2000 level courses in another language for Fren, Grmn or Span 2001/2002 (or Span 2203 or Span 2501) upon approval of the Department of Modern and Classical Languages advisor.

Elective: one 1000/2000 level course chosen from Areas A-E.

**Area G: Economics Common Core Curriculum (24)** A minimum grade of C is required for all courses in this area.

|           |                       |
|-----------|-----------------------|
| Econ 3900 | Macroeconomics        |
| Econ 3910 | Microeconomics        |
| Econ 4600 | Economic Development  |
| Econ 4800 | International Trade   |
| Econ 4810 | International Finance |

Choose 3 elective 4000-level Econ courses (9)

**Area H: Modern Languages Common Core (24)** A minimum grade of C is required for all courses in this area.

|           |                                           |
|-----------|-------------------------------------------|
| Grmn 3301 | Advanced German I                         |
| Grmn 3302 | Advanced German II                        |
| Grmn 3311 | Introduction to Reading German Literature |
| Grmn 3312 | Introduction to Reading German Literature |
| Grmn 4431 | German for International Business I       |
| Grmn 4432 | German for International Business II      |

Choose 2 of the following 3 courses (6)

|           |                           |
|-----------|---------------------------|
| Grmn 4402 | Advanced Grammar          |
| Grmn 4422 | Contemporary German       |
| Grmn 4435 | Techniques of Translation |

**Area I: Electives (12)** Choose any four 3000/4000 level courses, in consultation with the faculty advisor.

**Minor in German**

Students who wish to minor in German must take 15-18 hours in German, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## 3300 Gerontology Institute

**Program Offered:**

**Certificate in Gerontology**

605 One Park Place

404/651-2692

<http://www.gsu.edu/gerontology>

Frank J. Whittington, Director



The undergraduate Certificate in Gerontology gives students throughout the university the option of combining their major field of study with an emphasis in gerontology. It is designed to prepare students for: (1) admission to graduate and professional schools, such as medicine, nursing, psychology, public administration, sociology, and social work, in which they plan to pursue a specialization in gerontology, or (2) entry-level professional jobs in direct services to older persons in nutrition programs, senior centers, volunteer programs, nursing homes, and residential and assisted living facilities.

The curriculum provides an overview of the biological, psychological, and sociological aspects of aging; health care and social service programs for older persons; and contemporary aging policy issues. Through both course work and internship experience, students gain specialized knowledge and skills needed to live and work in today's aging society.

Currently, 25 faculty members from business to law, the social and biological sciences, and the health and human service professions are associated with the Gerontology Institute. They bring a diverse, interdisciplinary perspective to the institute's instructional programs and are engaged in a wide range of research in the areas such as long term care, assisted living, ethnicity and aging, learning and memory, retirement, aging among minorities, intergenerational care giving, and marketing to seniors.

### **Program Admission**

To be admitted to the undergraduate Certificate in Gerontology, students must be regularly enrolled in a degree program at Georgia State University. Students are required to submit the Application for Admission to the Certificate in Gerontology to the Gerontology Institute and arrange an interview with an academic adviser in the Gerontology Institute.

### **Program Degree Requirements**

To receive the undergraduate Certificate in Gerontology, students must complete the following 18-semester-hour curriculum with a grade of C or higher on all course work.

#### **Undergraduate Certificate in Gerontology**

1. Required Courses (9)
  - Gero 4116            Aging and Society (3)
  - Gero 4200            Health and the Older Adult (3)
  - Gero 4610            Psychology of Aging (3) (Prerequisite: Psyc 1101)
2. Select one course. (3)
  - Gero 4110            Aging Policy and Services (3)
  - SW 4260            Aging Practice, Policy and Research Issues (3)
3. Select one course. (3)
  - Gero 4110            Aging Policy and Services (3) (if not taken in section 2 above)
  - Gero 4122            Death, Dying, and Loss (3)
  - Gero 4475            Communication and Aging (3)
  - SW 4260            Aging Practice, Policy and Research Issues (3) (if not taken in section 2 above)
4. Required Course (3)
  - Gero 4910            Gerontology Internship (1-6) (or an approved alternate internship course)

## **3310 History**

### **Programs Offered:**

#### **Bachelor of Arts in History**

#### **Concentration in Pre-Education**

Department of History  
805 General Classroom Building  
404/651-2250  
<http://www.gsu.edu/history>

Hugh Hudson, Chair  
Wendy Venet, Undergraduate Director

Historians study various aspects of humanity's recorded past. Some historians explore the rise and fall of empires, while others describe the everyday lives of men and women. They are interested in every period of the past and all parts of the world.

Historians also examine the principles and theories that influence the writing of history. They seek to understand the forces that have structured human life and the ideas that have shaped the way people perceive and experience their worlds. Historians are concerned with change and continuity within societies and interactions among cultures. Historians pay particular attention to the effect of perspectives and values because their discipline involves the interpretation of findings, not just the collection of facts. History can teach us many lessons, not simply about our past but also about the paradoxes and potentials of our present.

The Department of History offers a wide range of courses in African, Asian, European, Latin American, Middle Eastern, and United States history. Arranged in three levels—introductory, intermediate, and advanced—these courses afford students an opportunity not only to become familiar with a body of historical knowledge but also to enhance their skills as readers, discussants, writers, and researchers. Because it emphasizes analytic and critical thinking, history prepares students for further professional training in education, international studies, journalism, law, politics, and public policy, and for all manner of careers. All students can benefit from the insights history provides into the human condition.

## **Program Degree Requirements**

Students should complete the freshman courses in history in the core curriculum and Hist 3000 (Introduction to Historical Studies) before enrolling in other history courses numbered 3000 and above. In all lower-division history courses the department requires that majors attain a minimum grade of C.

The department requires a total of 30 hours in upper-division history. At least one course must be taken from each of the areas of American, European, and African/Asian/Latin American/Middle Eastern History. All majors must take Hist 4990 (Historical Research) after completing Hist 3000 and at least four other upper-division courses. No more than 15 hours of upper-division history may be transfer credits.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## **B.A. in History**

### **Area F: Courses Appropriate to the Major Field (18)**

1. Select one (whichever is not taken in Area E). (3)
  - Hist 1111 Survey of World History to 1500 (3)
  - Hist 1112 Survey of World History since 1500 (3)
  - Hist 2110 Survey of United States History (3)
2. Foreign Language (3) The Department of History recommends that all majors complete the foreign language sequence Lang 1002, 2001 and 2002. (See “Foreign Language Requirement for B.A. and B.I.S. Majors,” previously described.)
 

Required Course:

  - Lang 1002 Elementary Foreign Language II (3)

Recommended Course (listed as an elective):

  - Lang 2001 Intermediate Foreign Language I (3)
3. Electives (12)
 

AAS 2010, Anth 2010, Anth 2020, Anth 2030, Econ 2105, Econ 2106, Engl 2110, Engl 2120, Engl 2130, Lang 1001 (if different from foreign language taken in high school), Lang 2001, Lang 2002, Geog 1101, Hist 1140, Jour 1000, Math 1070, Phil 2010, PolS 2101, PolS 2401, Psyc 1101, Soci 1101, Soci 1160, WSt 2010

### **Area G: Major Courses (30)**

Unless otherwise specified, Hist 1111, 1112, and 2110 are prerequisites for all advanced course work in history. History majors may complete no more than eight hours of 3000-4000 level history courses before completing History 3000.

A minimum total of 30 hours must be taken from courses at the 3000-4000 level, and must include one course from each of the following:

1. Hist 3000 Introduction to Historical Studies (4) (should be taken first among upper-division courses)
2. U. S. History (one course)
3. European History (one course)
4. African, Asian, Latin American, or Middle Eastern History (one course)
5. Hist 4990 Historical Research (4) (Prerequisite: Hist 3000 and at least four other upper-division courses.)

## **Pre-Education Concentration**

The Department of History offers a pre-education track for those students who plan to teach at the middle school or high school level. Students have the opportunity to take a variety of courses in U.S., European, and world history, which will provide the analytic and writing skills, the global perspective, and the historical content that they will need to teach in the public schools. Along with the B.A. in History, students earn a certificate in Pre-Education Broad Field Social Science before they enter the Alternative M.Ed. Program in Social Studies Education in the College of Education at Georgia State or a similar program elsewhere to complete the requirements for state certification.

Students in the pre-education track will take seven history courses at the 3000-4000 level distributed as follows:

1. Hist 3000 Introduction to Historical Studies (4) (should be taken first among upper-division courses).
2. Two courses in U.S. history. The department strongly recommends that one of these be History 4310 (Georgia).
3. One course in European history.
4. One course in African, Asian, Latin American, Middle Eastern, or world history.
5. Two electives in history at the 3000-4000 level.

Students in the pre-education track will also complete course work in three of the following allied fields:

1. Political Science
2. Geography
3. Economics
4. One of the behavioral sciences: anthropology, sociology, or psychology

History as an allied field consists of three courses at the 3000-4000 level: one in U.S. history, one in European history, and one in African, Asian, Latin American, or Middle Eastern history.

#### **Area H: Minor and Additional Courses**

1. History majors must select a minor consisting of at least 15 hours in one department other than history, including at least nine hours at the 3000 level or above. The requirements for a minor must be fulfilled in a department that offers a baccalaureate degree and with courses at the 3000-4000 level, unless the courses are otherwise specified by the minor-granting department/school/institute. A grade of C or higher is required in all minor courses.
2. Additional courses from departments other than the major must be taken to complete a minimum of 120 hours, exclusive of 1000/2000-level physical education or military science. The department strongly recommends that majors take the fourth semester of a foreign language: Lang 2002.

#### **Minor in History**

Students who wish to minor in history must take 15-18 hours in history courses, including at least three courses at the 3000 level or above. Students taking more than 15 hours in courses in history may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## **3320 Honors Program**

Suite 428, University Center

404/651-2924

<http://www.gsu.edu/honors/>

Robert D. Sattelmeyer, Director

April Lawhorn, Academic Specialist

#### **Purpose**

The Honors Program provides a unique educational experience for students who are willing to accept the challenge to excel. In this program, students gain the advantage of small classes and close contact with outstanding faculty members. Honors sections of a number of regular courses, many of which meet core curriculum requirements, are offered throughout the academic year. In addition, students in the Honors Program can enroll in special interdisciplinary courses, help design a colloquium on a topic of their choice, and, at the upper division, research and write an honors thesis. Through honors work, students can achieve honors recognitions which are noted on their diplomas and transcripts, and they can pursue unusual opportunities to enrich the quality of their education and enhance their chances of future success.

#### **Admission**

The Honors Program staff welcomes the opportunity to discuss the program with any interested student. Normally, entering freshmen should have a 3.5 high school grade-point average and a combined SAT score of 1200 with a minimum of 500 on both verbal and math sections. High school students who are jointly enrolled will also be considered. Typically, a student already enrolled at the university should have a cumulative grade-point average of at least 3.3 based on a minimum of 12 credit hours completed at the university. Normally, a transfer student should have an overall grade-point average of at least 3.3 based on a minimum of 12 credit hours (or the equivalent) of college work. Students who do not meet these academic requirements in full but wish to pursue honors work should contact the Honors Program staff. An interview with a member of the staff is required for admission into the program.

Honors students are invited to use the student lounge and the computer lab, located in the Honors suite, to apply for Honors Program Alumni Association Scholarships (see the General Scholarships section of this catalog), and to enroll in the Honors Freshman Learning Community.

### **One-Semester Registration**

Any student in the university with a 3.0 or higher GPA may take one honors course without being admitted to the program. Authorization for all honors courses must be obtained prior to registration from the Honors Program Office.

### **Scholastic Standard**

A student in the Honors Program will be required to maintain at least a 3.3 cumulative grade-point average in order to take honors courses. A student whose average falls below 3.3 will be given up to three academic terms in which to attain a 3.3 average again, at which point the student may continue to take honors courses.

### **Active-Inactive Status**

Although there is no minimum number of courses required to remain enrolled in the Honors Program, students who are in good academic standing in the program (see above) and who have taken at least one honors course in the past three academic terms (including summer session) will be considered active in the program. Students newly admitted to the program will be counted as active during their first four academic terms. All others will be considered inactive.

### **Honors Recognitions and Requirements**

Students may choose to work toward any of three formal recognitions. These are recorded on transcripts and on diplomas with seals, and acknowledged in Honors Day proceedings. Honors recognitions require 3.3 grade-point averages overall and in honors course work. No courses with grades of D or F may be applied toward the satisfaction of the requirements for honors recognitions. Each of the three honors recognitions require the student to successfully complete a total of two honors colloquia (Hon 2260/3260, 1-3 semester hours) and/or forums (Hon 3570, 1-3 semester hours).

**General Honors:** Granted to students who successfully complete at least 12 credit hours of course work in lower-division honors classes at Georgia State University, plus two honors forums or colloquia. The 12 hours of lower-division course work must be in classes selected from at least three major areas of study with no more than two classes in any one area (see Honors Program Office for listing of major areas).

**Advanced Honors:** May be granted to students who complete at least 12 semester hours of honors course work at the upper division, plus two honors forums or colloquia. A maximum of three semester hours of thesis course work, a maximum of nine hours of honors dimensions, and a maximum of nine semester hours of graduate courses may be applied toward this recognition. Courses that are applied toward Advanced Honors may not be applied toward Research Honors.

**Research Honors:** May be granted to students who complete at least 12 semester hours of honors course work at the upper division, which includes at least six semester hours and not more than nine semester hours of honors thesis course work, plus two honors forums or colloquia. A maximum of six semester hours of honors dimensions and six semester hours of graduate courses may be applied toward this recognition. Courses that are applied toward Research Honors may not be applied toward Advanced Honors.

## **3330 International Studies**

### **Programs Offered:**

#### **Bachelor of Interdisciplinary Studies with a Concentration in International Studies**

The International Studies Program affords the student an opportunity to develop areas of concentration in international relations, Europe, Mediterranean, Near Eastern, and developing areas such as Africa, Asia, the Middle East, and Latin America for which there are currently insufficient courses being offered to make them into separate fields. Internship experiences may be undertaken only after completing at least 21 hours of credit in the concentration area. Please contact the faculty adviser, Dr. Christine M. Skwiot, at 404/651-2250 or [hiscms@langate.gsu.edu](mailto:hiscms@langate.gsu.edu).

### **Program Admission**

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

## Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.I.S. with a Concentration in International Studies

#### Area F: Courses Appropriate to the Major (18)

1. Required Courses (3-9)  
Arabic, Chinese, French, German, Modern Greek, Modern Hebrew, Italian, Japanese, Latin, Portuguese, Russian, Spanish, through the 2002 level with a grade of B or higher
2. Other courses appropriate to program, chosen in consultation with adviser. (9-15)

#### Area G: Area of Concentration—International Studies (27-33)

1. Select at least one course:  
PolS 3200, Anth 4490, WSt 4210/Anth 4420, Hist 4630, Hist 4890, Phil 4770/WSt 4360, RelS 3270, WSt 4370/RelS 4370, Econ 4800, Econ 4810
2. A minimum of 12 hours in one of the following fields, with courses from at least two departments is required:
  - a. International Relations
  - b. Europe
  - c. Mediterranean
  - d. Near Eastern
  - e. Developing Areas\*

\*Students choosing the Developing Areas sub field take at least one of the following

|                |                                      |
|----------------|--------------------------------------|
| PolS 4210      | Politics of Developing Countries (3) |
| RelS/Phil 4610 | Hinduism (3)                         |
| RelS/Phil 4615 | Buddhism (3)                         |
| RelS/Phil 4620 | Confucianism and Taoism (3)          |
| RelS/Phil 4625 | Zen and Shinto (3)                   |

\*Students in the Developing Areas sub field are also required to take at least two courses in one of the regions (Africa, South Asia, East Asia, the Middle East, or Latin America)

3. Additional courses to complete 27-33 hours  
No more than 12 hours from one discipline can be included in the area of concentration. Students who wish to pursue proficiency in a second language, different from the language taken in area f, may include language courses through the 2002 level with a grade of B or higher.
4. Minimal Department Requirement: in order to assure minimum competency in one discipline, 12 hours in upper-level courses in a single discipline are required. Select one of the following:

|           |                                        |
|-----------|----------------------------------------|
| Anth 4020 | Anthropological Theory (4)             |
| Econ 3900 | Macroeconomics (3)                     |
| Econ 3910 | Microeconomics (3)                     |
| Hist 3000 | Introduction to Historical Studies (4) |
| PolS 3800 | Introduction to Political Research (3) |
| Soci 3010 | Social Statistics (3)                  |

#### Area H: Allied Field (15-21)

Courses chosen in consultation with adviser. The allied field must be interdisciplinary with no more than six hours coming from one academic discipline.

#### Area J: Electives

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation.

## 3340 Italian

### Programs Offered:

#### Minor in Italian

Department of Modern and Classical Languages  
841 General Classroom Building  
404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

### Program Degree Requirements

#### Minor in Italian

Students who wish to minor in Italian must take 15-18 hours in Italian, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives. A grade of C or higher is required in all courses counting toward the minor.

## 3350 Japanese

### Programs Offered:

#### Minor in Japanese

Department of Modern and Classical Languages  
841 General Classroom Building  
404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

### Program Degree Requirements

#### Minor in Japanese

Students who wish to minor in Japanese must take 15-18 hours in Japanese, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives. A grade of C or higher is required in all courses counting toward the minor.

## 3360 Journalism

### Programs Offered:

#### Bachelor of Arts in Journalism

##### Concentration in Print Journalism

##### Concentration in Public Relations

##### Concentration in Telecommunication

#### Minor in Journalism

Department of Communication  
1040 One Park Place South  
404/651-3200  
E-mail: [communication.gsu.edu](mailto:communication.gsu.edu)

David Cheshier, Chair

Kathryn Fuller-Seeley, Associate Chair

Doug Barthlow, Undergraduate Adviser



The disciplines of communication are concerned with the processes and effects of human communication in a variety of contexts ranging from interpersonal communication through the mass media. The Department of Communication provides courses of study that develop knowledge and skills in managing face-to-face communication, knowledge about the nature and social functions of the mass media, and the skills necessary for communication careers. Majors are offered in the areas of film and video, journalism, and speech.

Journalism is the study of the collection, evaluation, and dissemination of current information and opinion. The journalism major seeks to prepare students for newspaper and magazine careers (print journalism), radio and television careers (telecommunication), or public relations careers. In addition, the courses in journalism are designed to be useful electives for students planning to enter other vocations who wish to become media-literate individuals.

Credit for special projects and internships is available in all majors and concentrations. Internships enable students who already have completed the appropriate course work and have met departmental eligibility criteria to take advantage of expertise in a variety of professional sectors in the metropolitan area and to tailor programs to their specific career goals.

## Program Academic Regulations

All 3000-4000 level journalism courses (excluding JOUR 3500) require students to have an overall Georgia State University Institutional GPA of 2.5 prior to enrollment. See the Department of Communication's website for more information at <http://communication.gsu.edu>.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.A. in Journalism

#### Area F: Courses Appropriate to the Major Field (18)

1. Lang 1002            Elementary Foreign Language II (3)  
(See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.)
2. Required Courses (minimum grade of "C" required.) (12)
  - Jour 1000            Introduction to Mass Communication (3)
  - Jour 1010            Reporting I: Basic Journalism (3)
  - Jour 2500            Communication Research and Information Technology (3)
  - Spch 1500           Public Speaking (3)
3. Electives: Select one course (3)  
AAS 2010, Anth 2020, Econ 2105, Econ 2106, Film 2700, Lang 1001(if no previous experience with language), Lang 2001, Lang 2002, Geog 1101, Hist 1111, Hist 1112, Hist 1140, Hist 2110, MuA 1500, MuA 1930, Phil 2010, PolS 2101, PolS 2401, Psc 1101, Soci 1101, Soci 1160, Spch 1010, Thea 2040, WSt 2010

#### Area G: Major Courses (24)

1. Major Requirements (6)
  - Jour 3060            Communication Law and Regulation (3)
  - Jour 3070            Introduction to Theories of Mass Communication (3)
2. Areas of Concentration: Choose one of the following concentrations to complete remaining hours of the major. (18)

#### Print Concentration

1. Concentration Requirement (6)
  - Jour 3030            Reporting II: News Gathering and Reporting (3)
  - Jour 4040            History of the News Media (3)
2. Media Practice: Select two courses. (6)
  - Jour 3120            Feature Writing (3)
  - Jour 3180            Editorial and Critical Writing (3)
  - Jour 4610            Desktop Editing and Publishing (3)
3. Media Studies: Select one course. (3)
  - Jour 3690            Honors Readings (1-3)
  - Jour 4040            History of the News Media (3)
  - Jour 4480            Political Communication (3)
  - Jour 4500            Visual Communication (3)
  - Jour 4510            Media and Politics (3)

- Jour 4590 African-American Popular Culture (3)
- Jour 4600 Readings in Journalism (3)
- Jour 4650 International Communication (3)
- Jour 4770 Media Management and Marketing (3)
- Jour 4780 Women and Media (3)
- Jour 4800 Mass Media and Society (3)
- Jour 4810 Media and Popular Culture (3)
- Jour 4870 Honors Thesis: Research (3)
- Jour 4880 Honors Thesis: Writing (3-6)
- Jour 4900 Selected Topics (3)
- 4. Concentration Elective (3)  
Select either Jour 4980 (Internship) or one additional media studies course. (3)

### **Public Relations Concentration**

- 1. Concentration Requirements (12)
  - Jour 3500 Public Relations (3)
  - Jour 3560 Public Relations Writing and Projects (3)
  - Jour 3950 Introduction to Mass Communication Research (3)
  - Jour 4540 Cases and Problems in Public Relations (3)
- 2. Media Practice: Select one course. (3)
  - Jour 3120 Feature Writing (3)
  - Jour 3180 Editorial and Critical Writing (3)
  - Jour 4610 Desktop Editing and Publishing (3)
  - Jour 4660 Corporate Communication (3)
  - Jour 4980 Internship (1-6)
- 3. Media Studies: Select one course. (3)
  - Jour 3690 Honors Readings (1-3)
  - Jour 4040 History of the News Media (3)
  - Jour 4480 Political Communication (3)
  - Jour 4500 Visual Communication (3)
  - Jour 4510 Media and Politics (3)
  - Jour 4590 African-American Popular Culture (3)
  - Jour 4600 Readings in Journalism (3)
  - Jour 4650 International Communication (3)
  - Jour 4770 Media Management and Marketing (3)
  - Jour 4780 Women and Media (3)
  - Jour 4800 Mass Media and Society (3)
  - Jour 4810 Media and Popular Culture (3)
  - Jour 4870 Honors Thesis: Research (3)
  - Jour 4880 Honors Thesis: Writing (3-6)
  - Jour 4900 Selected Topics (3)

### **Telecommunication Concentration**

- 1. Concentration Requirements (6)
  - Jour 3700 Introduction to Telecommunication (3)
  - Jour 4700 Telecommunication Production I (4)
- 2. Media Practice: Select three courses. (9-12)
  - Jour 3000 Lighting Design for Theatre, Film, and Television (4)
  - Jour 4125 Community-Based Media Production (4)
  - Jour 4710 Telecommunication Production II (4)
  - Jour 4740 News for Telecommunication I (3)
  - Jour 4750 Special Projects in Telecommunication (3)
  - Jour 4760 Non-Fiction Scriptwriting (3)
  - Jour 4770 Media Management and Marketing (3)
  - Jour 4840 News for Telecommunication II (4)
  - Jour 4980 Internship (1-6)
- 3. Media Studies: Select one course. (3)
  - Jour 3690 Honors Readings (3)

|           |                                      |
|-----------|--------------------------------------|
| Jour 4040 | History of the News Media (3)        |
| Jour 4480 | Political Communication (3)          |
| Jour 4500 | Visual Communication (3)             |
| Jour 4510 | Media and Politics (3)               |
| Jour 4590 | African-American Popular Culture (3) |
| Jour 4600 | Readings in Journalism (3)           |
| Jour 4650 | International Communication (3)      |
| Jour 4770 | Media Management and Marketing (3)   |
| Jour 4780 | Women and Media (3)                  |
| Jour 4800 | Mass Media and Society (3)           |
| Jour 4810 | Media and Popular Culture (3)        |
| Jour 4870 | Honors Thesis: Research (3)          |
| Jour 4880 | Honors Thesis: Writing (3-6)         |
| Jour 4900 | Selected Topics (3)                  |

### **Area H: Minor and Additional Courses**

Majors in the Department of Communication's three B.A. programs must select a minor consisting of at least 15 hours of courses in a discipline within the Department of Communication other than the major (journalism, film/video, or speech) or in another academic department/school/institute that offers a baccalaureate degree. At least nine semester hours of minor courses must be at the 3000 level or above, unless otherwise specified by the minor-granting department/school/institute. A grade of C or higher is required in all minor courses.

### **Minor in Journalism**

Students who wish to minor in one of the department's three programs must take 15-18 hours in the specific area, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in the specific area may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## **3370 Language Studies**

### **Programs Offered:**

#### **Bachelor of Interdisciplinary Studies with a Concentration in Language Studies**

This program provides the opportunity for students to explore the field of linguistics from an interdisciplinary perspective. The framework is based on the study of the fundamentals of linguistic inquiry and discourse. An individual program can be designed around advanced topics in general linguistics, a second and third language, the English language, language acquisition, or the field of communication. A major in Language Studies can prepare students for graduate work and careers in many areas, among them linguistics, second/foreign language teaching (including English as a Second Language), communication, anthropology, as well as neighboring disciplines such as psycholinguistics and sociolinguistics. Note: Students desiring certification in a foreign language or ESL should contact the respective departments for information on those programs. Please contact Dr. Sara Weigle, faculty adviser for the program, at 404/651-3223 or [sweigle@gsu.edu](mailto:sweigle@gsu.edu) for further information.

### **Program Admission**

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

### **Program Degree Requirements**

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### **B.I.S. with a Concentration in Language Studies**

#### **Area F: Courses Appropriate to the Major (18)**

1. Required Course (3)  
ForL 1002 Beginning Language II (3)

2. Required Courses (6)
  - ForL 2001 Intermediate Language I (3)
  - ForL 2002 Intermediate Language II (3)
3. Required Course (3)
  - AL/ForL 2101 Introduction to Language (3)
4. Select two courses (6)
  - AL/ForL 2102 Languages of the World (3)
  - Anth 1102 Introduction to Anthropology (3)
  - Anth 2020 Introduction to Cultural Anthropology (3)
  - Psyc 1101 Introduction to General Psychology (3)
  - Spch 1010 Voice and Articulation (3)
  - Spch 2650 Interpersonal Communication (3)

#### **Area G: Area of Concentration—Language Studies (27-33)**

AL/ForL 3021 is a prerequisite for all 3000-4000 level courses.

1. Required Course (3)
  - AL/ForL 3021 Introduction to Linguistics (3)
2. Required Course (3)
  - AL/ForL 4011 Phonetics and Phonology (3)
3. Required Course (3)
  - AL/ForL 4012 Morphology and Syntax (3)
4. Required Course (3)
  - AL/ForL 3031 Language in Society (3)
5. Select 15-21 hours
  - AL/ForL 3041, AL 3051, AL/ForL 4111, AL/ForL 4121, AL /ForL 4131, AL/ForL 4141, AL /ForL 4151, AL 4161, AL 4980, Engl 3200, Engl 3210, Engl 3220, Engl 3955, ForL 3022, choose ForL from 3000 level, Jour 4560, Phil 4400, Phil 4440, Psyc 4100, Span 4401, Spch 3000, Spch 3450, Spch 3750, Spch 4400, Spch 4410, Spch 4490

#### **Area H: Allied Field**

1. Courses chosen in consultation with adviser. The allied field must be interdisciplinary with no more than six hours coming from one academic discipline.

#### **Area J: Electives**

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation.

## **3380 Latin**

### **Programs Offered:**

#### **Minor in Latin**

Department of Modern and Classical Languages  
841 General Classroom Building  
404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

### **Program Degree Requirements**

#### **Minor in Latin**

Students who wish to minor in Latin must take 15-18 hours in Latin, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives. A grade of C or higher is required in all courses counting toward the minor.

## 3390 Law and Society

### Programs Offered:

**Bachelor of Interdisciplinary Studies with a Concentration in Law and Society**

**Pre-Law Allied Field**

**Criminology Allied Field**

This program emphasizes the social sciences and humanities perspectives of the law. Drawing on the disciplines of political science, sociology, history, English, philosophy, psychology, criminal justice, and business law, the Law and Society area of concentration offers the student a broad liberal but non-professional background in law. It is a viable option for pre-law students. For students interested in the program, please contact faculty adviser, Dr. Robert Howard, at 404/651-3187 or polrhh@langate.gsu.edu.

### Program Admission

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation.

### Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.I.S. with a Concentration in Law and Society

#### Area F: Courses Appropriate to the Major

1. Required Course (3)  
PolS 2401 Global Issues (3)
2. Required Course (3)  
Spch 1500 Public Speaking (3)
3. Students must complete level 1002 of a language.
4. Phil 1010 Critical Thinking (2) is required if not taken in Area B.
5. Select additional courses to complete 18 hours:  
AAS 2010, Acct 2101, Acct 2102, Anth 2020, Econ 2105, Econ 2106, Engl 2050, Engl 2130, Engl 2140, Geog 1101, Hist 1111, Hist 1112, Hist 2110, Phil 2010, Psyc 1101, Psyc 2040, Soci 1101, Soci 1160, WSt 2010, (Foreign language 1001, 2001, 2002)

#### Area G: Area of Concentration—Law and Society

1. Required Course (3)  
PolS 3140 Judicial Process and Courts (3)
2. Required Course (3)  
Lgls 3020 Introduction to the Law (3) *or*  
Lgls 4050 Principles of Business Law (3)
3. Select two courses (6):  
Phil 3730 Business Ethics (3)  
PolS 4130 American Constitutional Law (3)  
PolS 4131 Civil Liberties and Rights (3)  
Soci 4366 Law and Society (3)
4. Select five additional courses (15):  
AAS 4180, AAS 4640, CRJU 3100, CRJU 3110, CRJU 3700, CRJU 3710, CRJU 4710, CRJU 4760, CRJU 4770, CRJU 4910, Econ 4080, Econ 4400, Econ 4680/Hist 4210, Hist 3200, Hist 3210, Hist 3220, Hist 4200, Hist 4240, Jour 3060, PAUS 3311, Phil 4820, Phil 4800, PolS 3750, PolS 3550, PolS 4130, PolS 4131, PolS 4420, PolS 4780, PolS 4570, Spch 4510/Jour 4510, Spch 4480, Soci 3222, Soci 3224. Internship PolS 4930, PolS 4940 (No more than six hours of internship may be used.)

#### Area H: Allied Fields

Students may choose either Pre-Law or Criminology as the allied field.

#### Criminology

1. Select five courses (15):  
CJ 4410, CRJU 3210, CRJU 3310, CRJU 3410, CRJU 4420, PolS 4131, Psyc 4300, Soci 3222, Soci 3224, Soci 3346, Soci 4150, WSt 3150/Soci 3156

**Pre-Law**

1. Required Course (3)  
Engl 3080 History, Theory, and Practice of Argumentative Writing (3) **or**  
Engl 3090 History, Theory, and Practice of Expository Writing (3)
2. Required Course (3)  
Lgls 3020 Introduction to the Law (3) **or**  
Lgls 4050 Principles of Business Law (3)
3. Select three courses (9)  
AAS 4750, CRJU 3020, CRJU 3610, Engl 3110, Engl 3130, Engl 3140, Engl 3210, Engl 3220, Hist 3000, Phil 4530, Phil 4700, PolS 3800, Spch 3010, Spch 3050, Spch 3210, Spch 4250, Spch 4450, Spch 4500/Jour 4500

**Area J: Electives**

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation

## 3400 Mathematics and Statistics

**Programs Offered:****Bachelor of Science in Mathematics****Concentration in Actuarial Science****Concentration in Computer Information Systems****Concentration in Computer Science****Concentration in Managerial Sciences****Concentration in Secondary School Teaching****Concentration in Statistics****Minor in Mathematics**

Department of Mathematics and Statistics

750 College of Education Building

404/651-2245

<http://www.mathstat.gsu.edu>

Johannes H. Hattingh, Chair

Draga Vidakovic, Associate Chair

Valerie A. Miller, Director of Undergraduate Studies

Joseph J. Walker, Director of Undergraduate Advisement

All freshmen entering Georgia State University are required to take either the College Entrance Examination Board Scholastic Aptitude Test (SAT) or the assessment of the American College Testing Program (ACT). The results of the test, performance in and time of previous mathematical education, and the student's intended major or career goals are all factors to be considered when registering for any mathematics course. In order to register for courses numbered 1111 or higher, students must make an appropriate score on the mathematics placement test (see Section 1410.10) or have other appropriate prerequisite work. Therefore, students are urged to check the prerequisites for mathematics courses, and the mathematics requirement as listed by their major department/school/institute. Refer any questions to that department/school/ institute or to the Department of Mathematics and Statistics.

Mathematics is one of the great unifying themes in our modern culture. It is a language, a science, an art form, and a tool of tremendous power. The Department of Mathematics and Statistics, in its courses for both majors and non-majors, seeks to introduce students to this vast area of knowledge and to show them how mathematics can be used to solve problems.

The B.S. degree program in mathematics prepares a student for positions in business, industry, and government; a career in the teaching of mathematics at the secondary level; or further study in mathematics or statistics leading to graduate degrees.

Six concentrations are offered within the B.S. degree in mathematics. The concentration in actuarial science prepares a student to work as an actuary. The concentration in computer information systems prepares students for work in the field of management information systems. The concentration in computer science provides education in more scientific aspects of computing. The concentration in managerial sciences provides training in management modeling, problem solving, and computer-



assisted decision support/expert systems technologies. The concentration in secondary school teaching prepares a student for high school teaching in mathematics. Finally, the concentration in statistics prepares students for work as applied statisticians.

Guidelines for minors in the Department of Mathematics and Statistics are given after the program descriptions.

In addition to immediate employment, there are opportunities for good students to pursue further study at the graduate level in mathematics, statistics, and other fields.

In 1978, the department initiated a cooperative education program with International Business Machines, Inc. Over the years, the program has expanded to include many other firms. Hundreds of majors have benefited from a co-op experience. Majors have an opportunity for paid work experience related to their area of study. They may also make important contacts that may lead to full-time employment after graduation. The Office of Cooperative Education has been established to coordinate the university's cooperative education programs.

Majors are asked to consider carefully the career objectives they wish to pursue after graduation. A particular career objective may suggest a special choice for the minor or concentration that would prepare one for that career. It also might suggest that a co-op experience would be useful. Faculty who serve as academic advisers for majors can discuss choices and concentrations that are available to majors.

## Program Financial Information

There are no extra fees, scholarships or other expenses outside of regular Georgia State University fees applicable to a B.S. degree in mathematics, other than those associated with teacher preparation (see Sections 1605 and 1610).

## Program Academic Regulations

Students must earn a grade of C or higher in all mathematics courses, including those in the core. There are course GPA requirements for all teacher preparation programs that apply to the secondary school teaching concentration (see Section 1600 for specifics).

## Program Degree Requirements

As part of the core curriculum, students must receive credit for the three calculus courses Math 2211, Math 2212, Math 2215, and Discrete Mathematics (Math 2420). (When counting the number of semester hours in Areas A, D, and F, only 3 of the 4 credit hours of each calculus course will be counted in Area A and/or D. The fourth hour, or the "rollover hour," will be counted in Area F.)

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.S. in Mathematics

### Areas A-E: Core Curriculum Recommendations

1. Required course:  
Math 1113      Precalculus (3) (or a higher-level mathematics course)
2. Required course:  
Math 2211      Calculus of One Variable I (4) (or a higher-level mathematics course)

### Area F: Courses Appropriate to the Major Field (18)

1. Required Courses: Select the course(s) not taken in Area A or D. (7-11)  
Math 2211      Calculus of One Variable I (4)  
Math 2212      Calculus of One Variable II (4)  
Math 2215      Multivariate Calculus (4)  
Math 2420      Discrete Mathematics (3)
2. Select additional courses to complete 18 hours in Area F. (7-11)  
Acct 2101, Acct 2102, Biol 1107K, Biol 1108K, Chem 1211K, Chem 1212K, Chem 2400, CSc 2010, CSc 2301, CSc 2310, CSc 2311, Econ 2105, Econ 2106, Lang 2001, Lang 2002, Phil 1010, Phys 2211K, Phys 2212K

### Area G: Major Courses (33)

1. Required Courses (24)  
Math 3000      Bridge to Higher Mathematics (3)  
Math 3435      Introductory Linear Algebra (3)  
Math 4435      Linear Algebra (3)  
Math 4441      Modern Algebra (3)  
Math 4661      Analysis I (3)  
Math 4662      Analysis II (3)  
Math 4751      Mathematical Statistics I (3)

- Math 4991          Senior Seminar (3)
2. Mathematics Electives: Select 9 additional hours of 3000/4000-level mathematics courses, of which three hours at most may be at the 3000 level (excluding Math 3030, 3050, 3070, and 3090).
  3. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses.

### **Area H: Additional Major Courses, Concentrations, Minor, and Electives**

See descriptions below as to the specifics of special programs, such as the various concentrations offered. Students earning a B.S. in the Department of Mathematics and Statistics are not required to complete a minor.

### **Actuarial Science Concentration**

An actuary is an executive who uses mathematical and statistical skills to define, analyze, and solve problems of society. Actuaries create and manage programs to reduce the adverse financial impact of the expected and unexpected events that happen to people. They are employed in business, industry, and government.

The Department of Mathematics and Statistics, in cooperation with the actuarial science program in the Department of Risk Management and Insurance, offers the Bachelor of Science with a major in mathematics and a concentration in actuarial science. This program provides strong preparation in both mathematics and actuarial science. Students completing this program may request that a suitable annotation be placed on their permanent record.

Students must receive credit for the calculus courses Math 2211, 2212, and 2215 and for Math 2420, CSc 2010, CSc 2310, Econ 2105 and Econ 2106 in the core curriculum Areas A-F or as electives.

1. Mathematics Requirements (30)
  - Math 3000          Bridge to Higher Mathematics (3)
  - Math 3435          Introductory Linear Algebra (3)
  - Math 4253          Introduction to Operations Research (3)
  - Math 4435          Linear Algebra (3)
  - Math 4610          Numerical Analysis I (3)
  - Math 4661          Analysis I (3)
  - Math 4662          Analysis II (3)
  - Math 4751          Mathematical Statistics I (3)
  - Math 4752          Mathematical Statistics II (3)
  - Math 4991          Senior Seminar (3)
2. Actuarial Science Requirements (15)
  - AS 4130          Mathematical Statistics for Actuarial Science II (3)
  - AS 4140          Mathematical Foundations of Actuarial Science (3)
  - AS 4230          Theory of Interest (3)
  - AS 4340          Life Contingencies I (3)
  - AS 4260          Microeconomic Foundations of Actuarial Science (3) **or**
  - AS 4350          Life Contingencies II (3)
3. Required Economics Courses (6) (if not completed in Area F)
  - Econ 2105          Principles of Macroeconomics (3)
  - Econ 2106          Principles of Microeconomics (3)
4. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses. (9)

### **Computer Information Systems Concentration**

In cooperation with the Department of Computer Information Systems, the Department of Mathematics and Statistics offers the Bachelor of Science with a major in mathematics and a concentration in computer information systems. This program provides strong preparation in both mathematics and computer information systems. Students completing this concentration may request that a suitable annotation be placed on their permanent record. They are eligible to receive a certificate signed by the chair of the Department of Mathematics and Statistics and the dean of the College of Arts and Sciences.

Students must receive credit for the calculus courses Math 2211, 2212, and 2215 and for Math 2420, CSc 2010, and CIS 2010 in the core curriculum Areas A-F or as electives.

1. Mathematics Requirements (21)
  - Math 3000          Bridge to Higher Mathematics (3)
  - Math 3435          Introductory Linear Algebra (3)
  - Math 4435          Linear Algebra (3)
  - Math 4661          Analysis I (3)

- Math 4662      Analysis II (3)
- Math 4751      Mathematical Statistics I (3)
- Math 4991      Senior Seminar (3)
- 2. Select one additional upper-level mathematics course (exclusive of Math 3030, 3050, 3070, and 3090). (3)
- 3. Computer Science Requirements (15-16)
  - CSc 2310      Principles of Computer Programming I (3)
  - CSc 2311      Principles of Computer Programming II (3)
  - CSc 3210      Computer Organization and Programming (3)
  - CSc 3410      Data Structures (3)
  - Select one of the following:
    - CSc 3320      System-Level Programming (3)
    - CSc 4210      Computer Architecture (4)
    - CSc 4320      Operating Systems (4)
- 4. Computer Information Systems Requirements (12)
  - CIS 3210      End User Applications Programming (3)
  - CIS 3300      Systems Analysis (3)
  - CIS 3310      Systems Design (3)
  - Select one additional CIS course, preapproved by the director of undergraduate advisement. (3)
- 5. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses. (8-9)

### Concentration in Computer Science

The Department of Mathematics and Statistics offers the Bachelor of Science in mathematics with a concentration in computer science. This program provides strong preparation in both mathematics and computer science. Students completing this program may request that a suitable annotation be placed on their permanent record.

Students must receive credit for the calculus courses Math 2211, 2212, and 2215 and for Math 2420, CSc 2010, and CSc 2310 in core curriculum Areas A-F or as electives.

- 1. Mathematics Requirements (21)
  - Math 3000      Bridge to Higher Mathematics (3)
  - Math 3435      Introductory Linear Algebra (3)
  - Math 4435      Linear Algebra (3)
  - Math 4661      Analysis I (3)
  - Math 4662      Analysis II (3)
  - Math 4751      Mathematical Statistics I (3)
  - Math 4991      Senior Seminar (3)
- 2. Select one additional upper-level mathematics course (exclusive of Math 3030, 3050, 3070, and 3090). (3)
- 3. Computer Science Requirements (16)
  - CSc 3210      Computer Organization and Programming (3)
  - CSc 3410      Data Structures (3)
  - CSc 4520      Design and Analysis of Algorithms (4)
  - CSc 4610      Numerical Analysis I (3)
  - CSc 4620      Numerical Analysis II (3)
- 4. Additional Computer Science Courses (9-11)
  - CSc 2311      Principles of Computer Programming II (3)
  - Select two additional upper-level computer science courses with at least one selected from the following: (6-8)
    - CSc 3320      System-Level Programming (3)
    - CSc 4210      Computer Architecture (4)
    - CSc 4330      Programming Language Concepts (4)
    - CSc 4350      Software Engineering (4)
- 5. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses. (6-8)

### Managerial Sciences Concentration

In cooperation with the Department of Managerial Sciences, the Department of Mathematics and Statistics offers the Bachelor of Science with a major in mathematics and a concentration in managerial sciences. In the managerial sciences, students receive training in management modeling, problem solving, and computer-assisted decision support/expert systems technologies. They learn to apply these skills to the functional areas of administration to increase managerial effectiveness

and productivity. Managerial sciences training leads to such careers as management consultants, logistics specialists, quality assurance analysts, data analysts/statisticians, and decision support/expert systems builders. Students completing this program may request that a suitable annotation be placed on their permanent record.

Students must receive credit for the calculus courses Math 2211, 2212, and 2215 and for Math 2420, CSc 2010, and CSc 2310 in the core curriculum Areas A-F or as electives.

1. Mathematics Requirements (18)
  - Math 3000 Bridge to Higher Mathematics (3)
  - Math 3435 Introductory Linear Algebra (3)
  - Math 4435 Linear Algebra (3)
  - Math 4661 Analysis I (3)
  - Math 4662 Analysis II (3)
  - Math 4991 Senior Seminar (3)
2. Statistics Requirements: Select a two-course sequence. (6)
  - Math 4751 Mathematical Statistics I (3) and
  - Math 4752 Mathematical Statistics II (3) or
  - Math 4547 Introduction to Statistical Methods (3) and
  - Math 4548 Methods of Regression and Analysis of Variance (3)
3. Two additional courses in mathematics and/or computer science (6-7) (exclusive of Math 3030, 3050, 3070, and 3090), including one of the following:
  - Math 4253 Introduction to Operations Research (3) or
  - CSc 4830 System Simulation (4)
4. Managerial Sciences Requirements (15)\*
  - Mgs 3100 Business Analysis (3)
  - Mgs 4000 Managerial Decision Making (3)
  - Mgs 4020 Introduction to Business Intelligence (3)
  - Mgs 4110 Analysis of Business Data (3)
  - Mgs 4120 Optimal Resource Allocation (3)
5. Managerial Sciences Electives: Select one course. (3)
  - Mgs 4140 Business Modeling (3)
  - Mgs 4760 Total Quality Management (3)
6. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses. (11-12)

\*Students must have satisfied the statistics requirements before enrolling in any Mgs courses.

### Secondary School Teaching Concentration

This program is currently in the process of deactivation and the following program is being provided for informational and advisement purposes only for students currently enrolled in the program. No new students will be admitted to this program effective fall semester 2006.

The Department of Mathematics and Statistics offers the Bachelor of Science degree in mathematics with a concentration in secondary school teaching. One of the assumptions about teaching upon which the program is based is that an effective learning environment requires mutual respect between teacher and student. Another assumption is that effective teaching makes use of a variety of teaching techniques, including technology, and actively involves students in the learning process. The theme of the program is understanding, enthusiasm, and communication.

The secondary school teacher of mathematics has the important task of introducing students to many areas of mathematics. This task requires the teacher to have a broad education in the liberal arts; a strong background in mathematics, including algebra, analysis, and geometry; and appropriate professional education courses. Students must apply and be accepted into Teacher Education before being allowed to register for the upper-level education courses (see Section 1600 Teacher Education). A minimum overall GPA of 2.5 is required. In addition, students will need to take the Praxis I exam or have sufficient SAT scores to exempt the Praxis.

Students must receive credit for the calculus courses Math 2211, 2212, and 2215, and for Math 2420, CSc 2010, and 2310 in the core curriculum Areas A-F or as electives.

1. Extended Core (12)
  - EDUC2110 Investigating Critical & Contemporary Issues in Education (3)
  - EDUC2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3)
  - EDUC2130 Exploring Learning & Teaching (3)
  - EXC4020 Characteristics and Instructional Strategies for Students with Disabilities (3)

2. Mathematics Requirements (21)
  - Math 3000 Bridge to Higher Mathematics (3)
  - Math 3435 Introductory Linear Algebra (3)
  - Math 4435 Linear Algebra (3)
  - Math 4441 Modern Algebra I (3)
  - Math 4661 Analysis I (3)
  - Math 4751 Mathematical Statistics I (3)
  - Math 4991 Senior Seminar (3)
3. Select one course. (3)
  - Math 4301 College Geometry (3)
  - Math 4371 Modern Geometry (3)
4. Select one course. (3)
  - Math 4442 Modern Algebra II (3)
  - Math 4662 Analysis II (3)
  - Math 4752 Mathematical Statistics II (3)
5. Computer Science Requirements (complete at least two courses in Core Area F) (9)
  - CSc 2010 Introduction to Computer Science (3)
  - CSc 2310 Principles of Computer Programming I (3)
  - CSc 2311 Principles of Computer Programming II (3)
6. Select one course. (3-4)
  - CSc 3410 Data Structures (3)
  - CSc 4610 Numerical Analysis I (3)
  - CSc 4620 Numerical Analysis II (3)
  - CSc 4720 Human-Computer Interaction (4)
  - CSc 4730 Scientific Visualization (4)
7. Upper-Level Education Courses (24). A grade of C or higher is required in these courses.
  - IT 3210 Teaching, Learning, and Technology Integration (3)
  - EDCI 3250 Introduction to Teaching in Secondary Schools (3) (must be taken concurrently with EDMT 4560)
  - EDMT 4560 Principles of Mathematics Instruction (3) (must be taken concurrently with EDCI 3250)
  - EDCI 4600 Practicum (3) (must be taken concurrently with EDMT 4630)
  - EDCI 4630 Critical Issues in Secondary Education (3) (must be taken concurrently with EDCI 4600)
  - EDCI 4750 Student Teaching in the Secondary School (9)
8. An additional course must be taken as an elective to complete a minimum of 129 semester hours, exclusive of 1000/2000 physical education or military science courses. (2-3)

### Statistics Concentration

Statisticians give advice on the statistical design of experiments, conduct surveys, and analyze data. They use computers, often writing their own programs. They collaborate with specialists in fields such as biology, health sciences, medicine, economics, marketing, psychology, and sociology as well as in business and industry. They are employed in business, industry, and government. The Department of Mathematics and Statistics offers the Bachelor of Science degree in mathematics with a concentration in statistics. Students in this program should select a minor from those fields to which statistics can be applied. Such a selection is called a related field and must be pre-approved by a departmental adviser. Examples of seven related fields are shown in section 4.

Students must receive credit for the calculus courses Math 2211, 2212, and 2215 and Math 2420, for CSc 2010, and CSc 2301 or CSc 2310 in the core curriculum Areas A-F or as electives.

1. Mathematics and Statistics Requirements. (27)
  - Math 3000 Bridge to Higher Mathematics (3)
  - Math 3435 Introductory Linear Algebra (3)
  - Math 4435 Linear Algebra (3)
  - Math 4548 Methods of Regression and Analysis of Variance (3)
  - Math 4661 Analysis I (3)
  - Math 4662 Analysis II (3)
  - Math 4751 Mathematical Statistics I (3)
  - Math 4752 Mathematical Statistics II (3)
  - Math 4991 Senior Seminar (3)
2. Select one course. (3-4)
  - Math 4544 Biostatistics (3)\*

|           |                                          |
|-----------|------------------------------------------|
| Math 4547 | Introduction to Statistical Methods (3)* |
| Math 4767 | Statistical Computing (3)                |
| CSc 4830  | System Simulation (4)                    |

\*At most, one semester of Math 4544 and 4547 may be counted in this program.

3. Select one course. (3)  
 Math 4211 Optimization (3)  
 Math 4253 Introduction to Operations Research (3)  
 Math 4610 Numerical Analysis I (3)  
 Any one of the courses not taken in group 2 (3)
4. Related Field Courses: Select 12 hours of course work in a field other than mathematics. (12) Related field courses must be pre-approved by a faculty adviser and must include at least nine hours of upper-division course work. Examples of related fields are: Actuarial Science, Biology, Computer Information Systems, Computer Science, Economics, Managerial Sciences, and Marketing.
5. Additional courses must be taken as electives to complete a minimum of 129 semester hours, exclusive of 1000/2000 physical education or military science courses. (14-15)

### Minor in Mathematics

Students choosing to minor in mathematics should complete Math 2212, 2215, and nine hours of additional mathematics courses at the 3000 level or above. There are some restrictions and course selections that must be approved by the Department of Mathematics and Statistics. Students are urged to consult with members of the Department of Mathematics and Statistics to determine which courses would be most useful in their major field.

## 3410 Middle East Studies

### Programs Offered:

**Bachelor of Interdisciplinary Studies with a Concentration in Middle East Studies**

**Minor in Middle East Studies**

**Minor in Arabic Language and Literature**

Middle East Institute

34 Peachtree St., 11<sup>th</sup> Floor

404/651-4239

<http://www.gsu.edu/mideast>

Dona J. Stewart, Director

Through the Middle East Institute students have opportunities to engage in the interdisciplinary field of Middle East Studies. The Institute offers an extensive Middle East language program, including Arabic, Turkish and Hebrew. Students may complete a major or BIS degree in Middle East Studies. MEI faculty members lead study abroad programs to the region, including Egypt, and Turkey.

The Middle East Institute facilitates projects in the region across the university; key foci include training in journalism and English as a second language. The MEI sponsors a dynamic set of activities, including a lecture series and cultural performances, focused on achieving greater understanding of the rich and varied cultures of the Middle East. For more information visit:

<http://www.gsu.edu/mideast>.

This program provides an opportunity for students to explore the interdisciplinary field of Middle East Studies. Students select from a variety of courses on the Middle East offered in a range of disciplines, including religious studies, political science, history, geography, women's studies and art history. Students are required to study Arabic, Turkish, Hebrew, or another appropriate Middle East language. This major is designed to prepare students for further graduate study in the field or for careers in government, the non-profit sector, or the military. If interested, please contact Dr. Dona J. Stewart, director of the Middle East Institute at 404/651-4230 or [djstewart@gsu.edu](mailto:djstewart@gsu.edu).

### Program Admission

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation. Application materials can be obtained from the Office of Academic Assistance (404/651-2291) or on the Middle East Institutes website: <http://www.gsu.edu/mideast>.



## Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.I.S. with a Concentration in Middle East Studies

#### Area F: Courses Appropriate to the Major (18)

1. Language: competency in Arabic, Hebrew, Turkish, or another Middle Eastern language through 2002 level is required (12-16)
1. Middle East Studies courses chosen in consultation with adviser. (3-6)  
Suggested courses:  

|           |                                                                                           |
|-----------|-------------------------------------------------------------------------------------------|
| AH 1700   | Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)           |
| AH 1750   | Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3) |
| AH 1850   | Survey of Art III. Art of Africa, Oceania, and the Americas (3)                           |
| AL 2102   | Languages of the World (3)                                                                |
| Anth 1102 | Introduction to Anthropology (3)                                                          |
| Anth 2010 | Introduction to Biological Anthropology (3)                                               |
| Geog 1101 | Introduction to Human Geography (3)                                                       |
| Hist 1111 | Survey of World History to 1500                                                           |
| Hist 2500 | Contemporary World History (3)                                                            |
| PolS 2401 | Global Issues (3)                                                                         |
| RelS 2001 | Introduction to World Religions (3)                                                       |

#### Area G: Area of Concentration (27-33)

**Whenever possible students should register for crosslisted courses using the MES course number.**

1. Select two courses (6-8)
 

|                    |                                                   |
|--------------------|---------------------------------------------------|
| MES 3400/RelS 3400 | Introduction to Judaism (3)                       |
| MES 3500/RelS 3500 | Introduction to Islam (3)                         |
| MES 4110/Hist 3780 | The Middle East, 600 to 1800 (4)                  |
| MES 4120/Hist 3790 | The Middle East since 1800 (4)                    |
| MES 4210/PolS 4260 | Politics of the Middle East and North Africa (3)  |
| MES 4310/Geog 4408 | Geography of the Middle East and North Africa (4) |
| MES 4510/AH 4010   | Art of Ancient Egypt and Nubia (3)                |
| MES 4520/AH 4020   | Art and Architecture of the Ancient Near East (3) |
2. Select one course (3-4)
 

|           |                                        |
|-----------|----------------------------------------|
| Anth 4020 | Anthropological Theory (4)             |
| Econ 3900 | Macroeconomics (3)                     |
| Econ 3910 | Microeconomics (3)                     |
| Geog 2206 | Introductory Mapping and GIS (3)       |
| Hist 3000 | Introduction to Historical Studies (3) |
| JSt 3000  | Introduction to Jewish Studies (3)     |
| PolS 3800 | Introduction to Political Research (3) |
| RelS 3050 | Introduction to Religion (3)           |
| Soci 3010 | Social Statistics (3)                  |
3. Eighteen to twenty-one hours taken at the 3000 level or above in consultation with the adviser. Students select upper level courses from the Middle East Studies course list. Courses must be taken in at least two departments.
4. Additional courses to complete concentration. Additional language beyond the 2002 level is strongly recommended.  
Current courses include:
 

|           |                                                                                                                                                                                                                                                                          |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AH 4900   | Special Studies Seminar (3) (when appropriate) recent topics have included: Ancient Egyptian Hieroglyphs, Iconography and Symbolism in Ancient Funerary Art, Art of Persia and Mughal India, Islamic Art 1, Islamic Art 2, Ancient Egyptian Portraiture, and Orientalism |
| Arbc 3001 | Advanced Arabic I (4)                                                                                                                                                                                                                                                    |
| Arbc 3002 | Advanced Arabic II (4)                                                                                                                                                                                                                                                   |

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Arbc 3501          | Arabic Literature in Translation I (3)                                 |
| Arbc 3502          | Arabic Literature in Translation II (3)                                |
| Engl 4000          | Jewish Literature                                                      |
| MES 3110/Hist 3500 | The Ancient Mediterranean (4)                                          |
| MES 3400/RelS 3400 | Introduction to Judaism (3)                                            |
| MES 3500/RelS 3500 | Introduction to Islam (3)                                              |
| MES 3520/RelS 3520 | Sufism and Islamic Mysticism (3)                                       |
| MES 3710/JSt 3000  | Introduction to Jewish Studies (3)                                     |
| MES 4110/Hist 3780 | The Middle East, 600 to 1800 (4)                                       |
| MES 4120/Hist 3790 | The Middle East since 1800 (4)                                         |
| MES 4130/Hist 4525 | Worlds of Eastern Christianity (to 1300) (4)                           |
| MES 4140/Hist 4510 | Origins and Collapse of Ancient Near Eastern Societies (4)             |
| MES 4150/Hist 4520 | Ancient Persia, Greece, and Rome (4)                                   |
| MES 4210/PolS 4260 | Politics of the Middle East and North Africa (3)                       |
| MES 4220/PolS 4285 | Politics and Religion in Comparative Perspective (3)                   |
| MES 4230/PolS 4952 | Model Arab League (2)                                                  |
| MES 4310/Geog 4408 | Geography of the Middle East and North Africa (4)                      |
| MES 4420/RelS 4450 | Modern Judaism (3)                                                     |
| MES 4430/RelS 4480 | Islamic Fundamentalism in the Modern World (3)                         |
| MES 4440/RelS 4570 | Special Topics in Islam (3)                                            |
| MES 4450/RelS 4580 | Life of Muhammad (3)                                                   |
| MES 4510/AH 4010   | Art of Ancient Egypt and Nubia (3)                                     |
| MES 4511/AH 4011   | Art and Architecture of Ancient Egypt I: 4000-1600 BC (3)              |
| MES 4512/AH 4012   | Art and Architecture of Ancient Egypt II: 1600 BC-31 BC (3)            |
| MES 4520/AH 4020   | Art and Architecture of the Ancient Near East (3)                      |
| MES 4590           | Special Studies Seminar (1-6)                                          |
| Soci 3228          | The Holocaust                                                          |
| WSt 4910           | Special Topics (3) (when appropriate, i.e. Arab and Islamic Feminisms) |

New courses are regularly added to this list, please check with the Middle East Institute for the most recent list of courses.

### **Area H: H: Allied Field (15-21)**

The requirements for this area may be fulfilled in two ways:

- 1) Interdisciplinary Allied Field. In consultation with the advisor, students choose courses in from two or more departments.
- 2) Single Discipline Allied Field. Students may undertake in-depth study of a discipline relating to Middle East Studies by taking 15-21 hours in that discipline. Approved disciplines are: Arabic, Art History, Political Science, History and Religious Studies. In the Single Discipline Allied Field is chosen, students may take no more than 8 hours in that discipline in Area G. For example, if the Allied Field is Political Science, only 8 hours of Political Science may be taken in Area G.

### **Area J: Electives**

Electives are used to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation.

### **Study Abroad**

Students are strongly encouraged to participate in a study abroad program to the region. Currently MEI faculty members conduct summer programs to Egypt and Turkey. Students may also study abroad in the region on semester and year long programs.

### **Minor in Middle East Studies**

Select 15 semester hours from the following courses:

**Whenever possible, students should register for cross-listed courses using the MES course number.**

|                    |                                                                                                                                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AH 4900            | Special Studies Seminar (3) (when appropriate) recent topics have included: Ancient Egyptian Hieroglyphs, Iconography and Symbolism in Ancient Funerary Art, Art of Persia and Mughal India, Islamic Art 1, Islamic Art 2, Ancient Egyptian Portraiture, and Orientalism |
| Arbc 3001          | Advanced Arabic I (4)                                                                                                                                                                                                                                                    |
| Arbc 3002          | Advanced Arabic II (4)                                                                                                                                                                                                                                                   |
| Arbc 3501          | Arabic Literature in Translation I (3)                                                                                                                                                                                                                                   |
| Arbc 3502          | Arabic Literature in Translation II (3)                                                                                                                                                                                                                                  |
| Engl 4000          | Jewish Literature                                                                                                                                                                                                                                                        |
| MES 3110/Hist 3500 | The Ancient Mediterranean (4)                                                                                                                                                                                                                                            |
| MES 3400/RelS 3400 | Introduction to Judaism (3)                                                                                                                                                                                                                                              |
| MES 3500/RelS 3500 | Introduction to Islam (3)                                                                                                                                                                                                                                                |
| MES 3520/RelS 3520 | Sufism and Islamic Mysticism (3)                                                                                                                                                                                                                                         |
| MES 3710/JSt 3000  | Introduction to Jewish Studies (3)                                                                                                                                                                                                                                       |
| MES 4110/Hist 3780 | The Middle East, 600 to 1800 (4)                                                                                                                                                                                                                                         |
| MES 4120/Hist 3790 | The Middle East since 1800 (4)                                                                                                                                                                                                                                           |
| MES 4130/Hist 4525 | Worlds of Eastern Christianity (to 1300) (4)                                                                                                                                                                                                                             |
| MES 4140/Hist 4510 | Origins and Collapse of Ancient Near Eastern Societies (4)                                                                                                                                                                                                               |
| MES 4150/Hist 4520 | Ancient Persia, Greece, and Rome (4)                                                                                                                                                                                                                                     |
| MES 4210/PolS 4260 | Politics of the Middle East and North Africa (3)                                                                                                                                                                                                                         |
| MES 4220/PolS 4285 | Politics and Religion in Comparative Perspective (3)                                                                                                                                                                                                                     |
| MES 4230/PolS 4952 | Model Arab League (2)                                                                                                                                                                                                                                                    |
| MES 4310/Geog 4408 | Geography of the Middle East and North Africa (4)                                                                                                                                                                                                                        |
| MES 4420/RelS 4450 | Modern Judaism (3)                                                                                                                                                                                                                                                       |
| MES 4430/RelS 4480 | Islamic Fundamentalism in the Modern World (3)                                                                                                                                                                                                                           |
| MES 4440/RelS 4570 | Special Topics in Islam (3)                                                                                                                                                                                                                                              |
| MES 4450/RelS 4580 | Life of Muhammad (3)                                                                                                                                                                                                                                                     |
| MES 4510/AH 4010   | Art of Ancient Egypt and Nubia (3)                                                                                                                                                                                                                                       |
| MES 4511/AH 4011   | Art and Architecture of Ancient Egypt I: 4000-1600 BC (3)                                                                                                                                                                                                                |
| MES 4512/AH 4012   | Art and Architecture of Ancient Egypt II: 1600 BC-31 BC (3)                                                                                                                                                                                                              |
| MES 4520/AH 4020   | Art and Architecture of the Ancient Near East (3)                                                                                                                                                                                                                        |
| MES 4590           | Special Studies Seminar (1-6)                                                                                                                                                                                                                                            |
| Soci 3228          | The Holocaust                                                                                                                                                                                                                                                            |
| WSt 4910           | Special Topics (3) (when appropriate, i.e. Arab and Islamic Feminisms)                                                                                                                                                                                                   |

## 3420 Military Science and Leadership

### Programs Offered:

#### Minor in Advanced Leadership and Management

##### Concentration in Human Behavior

##### Concentration in Military History

##### Concentration in Management

##### Concentration in National Security Studies

Department of Military Science and Leadership

120 Courtland Building

404/651-2275

<http://www.gsu.edu/rotc>

Kevin S. Anderson, Chair

The Department of Military Science and Leadership, most often referred to as the Reserve Officer's Training Corps (ROTC), offers an introduction to the management opportunities available in the United States Army, Army Reserve, and Army National Guard.

The basic course (MSL 1000 and 2000 series) provides college freshman and sophomores a unique and challenging curriculum, and it requires no obligation to military service. The advanced program (MSL 3000 and 4000 series) is designed for students with two years of undergraduate or graduate study remaining. The upper-level program requires service, only under contract, an obligation for the student to serve in the Army National Guard, Army Reserve, or on Active Duty as a commissioned officer. The summer between MSL 3000 and 4000-level classes, students will attend a 32-day leadership internship at Ft Lewis, Washington

that certifies their capability to serve as an officer in the Army National Guard, Army Reserve, or on Active Duty. Entering ROTC can be personally, physically, and financially rewarding. Stipends of \$450-500 per month as well as scholarship opportunities are available.

An interdisciplinary minor in advanced leadership and management is designed specifically for those individuals who are planning a career in the U.S. Army as commissioned officers. This minor may not be used as a substitute for any minor required by a student's academic major and cannot be considered as a student's area of concentration. The undergraduate minor in advanced leadership and management is intended for any student whose major does not require a specific minor, thereby permitting this minor to fulfill that requirement. Students who complete the minor will be prepared for military service and positions of higher responsibility and leadership within the civilian work place.

## **Program Degree Requirements**

### **Minor in Advanced Leadership and Management**

#### **General Minor Requirements**

1. A cumulative Georgia State University grade-point average of 2.0.
2. All courses for the minor must be taken at the 3000 level or above.
3. No more than six hours may be taken in any department/school/institute.
4. A grade of C or higher is required in all minor courses.
5. Completion of courses required for major.
6. Minor courses cannot be from a major area.

#### **Advanced Leadership and Management Requirements**

1. Acceptance into the program by the Professor of Military Science (PMS) and the Bachelor of Interdisciplinary Studies (BIS) council.
2. A grade-point average of 2.0 or higher in all military science courses.
3. Must be enrolled in the Advanced Military Science program.
4. Successful completion of advanced camp (5 weeks, summer session).
5. Hist 4900 War in Europe and America Since 1500 (4)
6. Select one course. (3)
  - Engl 3110 Technical Writing (3)
  - Engl 3130 Business Writing (3)
  - Engl 3210 Advanced Grammar (3)
  - Spch 3010 Advanced Public Speaking (3)
  - Spch 3210 Business and Professional Communication (3)
7. Select two courses. Only one course may be chosen from each concentration (6)

#### **Human Behavior Concentration**

- Psyc 3110 Psychology of Interpersonal Behavior (3)
- Psyc 3560 Leadership and Group Dynamics (3)
- Psyc 4160 Theories of Personality (3)

#### **Military History Concentration**

- Hist 3220 United States in the Twentieth Century (4)
- Hist 3790 The Middle East since 1800 (4)
- Hist 4230 Foreign Relations of the United States (4)
- Hist 4600 Russia and the Soviet Union since 1861 (4)
- Hist 4610 Modern Eastern Europe (4)

#### **Management Concentration**

- BCom 3950 Fundamentals of Business Communication (3)
- Mgs 3400 Managing People in Organizations (3)
- Mgs 4470 Organizational Communication (3)

#### **National Security Studies Concentration**

- PolS 3400 International Politics (3)
- PolS 3450 United States Foreign Policy (3)
- PolS 3490 Studies in Foreign Policy and International Politics (3)
- PolS 4130 American Constitutional Law (3)
- PolS 4210 Politics of Developing Countries (3)
- PolS 4245 Politics of Russia and Eastern Europe (3)
- PolS 4290 Studies in Comparative Politics (3)
- PolS 4460 U.S. National Security Policy (3)

Each student will select an Advanced Leadership and Management minor adviser (Military Science Instructor) and co-develop an appropriate selection of courses. Prior to enrollment, a student's minor adviser must approve, in writing, all courses for minor credit that are not on the above list. The BIS Council will review any minor proposal that includes more than six hours of courses that are not listed above.

Students must complete one of the following programs of instruction to qualify for a commission in the U.S. Army:

**Standard:**

MSL 1000-4000 level courses  
Leader Development and Assessment Course (Ft. Lewis, WA – Summer)

**Basic Progression:**

Leader's Training Course (Ft. Knox, KY – Summer)  
MSL 3000-4000 level courses  
Leader Development and Assessment Course (Ft. Lewis, WA – Summer)

**JROTC-ROTC:**

4 years of Junior ROTC  
MSL 3000-4000 level courses  
Leader Development and Assessment Course (Ft. Lewis, WA – Summer)

**Advanced Cadet Commissioning Training:**

4 weeks advanced progression training  
MSL 3000-4000 level courses  
Leader Development and Assessment Course (Ft. Lewis, WA – Summer)

## 3430 Music

### Programs Offered:

#### Bachelor of Music

Concentration in Composition

Concentration in Jazz Studies

Emphasis in Piano

Emphasis in Instrumental

Concentration in Music Education

Emphasis in Choral/General

Emphasis in Instrumental

Concentration in Music Technology (Recording)

Concentration in Performance

Emphasis in Piano

Emphasis in Orchestral Instrument or Guitar

Emphasis in Organ

Emphasis in Voice

#### Bachelor of Science in Music Management

School of Music

Haas-Howell Building, Room 520

404/651-3676

<http://www.music.gsu.edu>

John B. Haberlen, Director

David Myers, Associate Director and Undergraduate Director

The mission of the School of Music is to provide a comprehensive, rigorous, and innovative academic program that is consistent with the urban context and mission of Georgia State University and that serves the pursuit of artistic, professional, and scholarly excellence through experiences of lasting value for all stakeholders.

The School of Music meets this mission by providing all university students with courses designed to help them understand and enjoy music, and by offering Bachelor of Music and Bachelor of Science degrees that prepare students for careers in music or further study at the graduate level. The undergraduate degrees in music include specializations in performance (brass, percussion, strings, woodwinds, keyboard, guitar, and voice), music education, music composition, jazz studies, music recording technology, and music management. In addition to courses and degree programs, the School of Music offers concerts, recitals, lectures, and workshops that are open to all students and the community.

The School of Music is an accredited institutional member of the National Association of Schools of Music. It participates in the Honors program and offers Honors courses in music. The School of Music also offers scholarships that are awarded to students based on their academic achievement and musical merit.

The School of Music is located in the historic Fairlie-Poplar District in downtown Atlanta. Four buildings comprise the Music Complex: the Haas-Howell Building at 75 Poplar Street; the Rialto Center for the Performing Arts at 80 Forsyth Street; the Standard Building at 92 Luckie Street; and the Aderhold Learning Center at 60 Luckie Street, which houses instrumental and choral rehearsal halls. Some classes are held in the Arts and Humanities Building at 10 Peachtree Center Avenue. Chamber music, faculty, and student recitals are presented in the Kopleff Recital Hall in the Arts and Humanities Building. Large ensembles perform throughout the academic year in the Rialto Theater, an 850-seat, state-of-the-art performance venue located in the heart of downtown Atlanta.

## **Program Admission**

Applicants to the Bachelor of Music degree program must meet the entrance requirements of the School of Music and those of Georgia State University. Please refer to the Undergraduate Admissions section 1100 of this catalog for information concerning admission requirements to the university.

Students who wish to apply for admission to the School of Music should contact the School of Music office or consult the website to request application materials and to make an appointment for an audition. Applicants to all programs are required to audition in one of the following performance areas: voice, keyboard, guitar, brass, woodwinds, strings, or percussion. They must also take music placement tests that are designed to assess listening skills (pitch and rhythmic discrimination), music reading skills, and knowledge of terms and symbols of music.

Admission to the degree program in music is based on (1) the level of performance skill demonstrated in the audition, (2) the results of the music placements tests, and (3) the availability of openings in the various performing areas.

Applicants to the Bachelor of Science degree in music management must audition and interview for admission. The interview includes an assessment of interest, background, and basic music skills.

Music majors previously accepted by the School of Music must re-audition for reentry after an absence of two consecutive academic terms (not counting the summer session).

## **Audition Requirements**

### **Voice (to be performed from memory)**

1. Two songs in contrasting styles from the standard concert repertory; one in English and one in a foreign language.
2. Scales.
3. Sight reading.
4. Transfer students are required to submit a repertoire list of works studied to aid in determining applied music level.

### **Piano (to be performed from memory)**

1. All major and minor scales (natural, melodic, and harmonic forms), 4 octaves, in 16ths; metronome speed of quarter note: 112.
2. All major and minor arpeggios, 4 octaves, in 16ths; metronome speed of quarter note: 40.
3. A two-part invention, three-part invention, or prelude and fugue from the "Well-Tempered Clavier" of J.S. Bach.
4. A fast movement of a sonata by Haydn, Mozart, or Beethoven.
5. A work from the romantic period or the twentieth century.
6. Intermediate-level sight reading.

### **Organ**

1. All major and minor scales (natural, melodic, and harmonic forms), 4 octaves, in 16ths; metronome speed of quarter note: 112.
2. All major and minor arpeggios, 4 octaves, in 16ths; metronome speed of quarter note: 40.
3. One chorale prelude from the Orgelbuchlein, BWV 599-644, by J. S. Bach. One of the Eight Little Preludes and Fugues, BWV 553-560, by J. S. Bach.
4. One chorale prelude by Johannes Brahms, Flor Peeters, or Helmut Walcha.

## **Woodwinds, Brass, and Strings**



1. All major scales.
2. A standard etude or composition in a moderate to fast tempo, demonstrating the applicant's level of technical advancement.
3. A composition in a slow tempo, demonstrating the applicant's musical and interpretative ability.
4. Sight reading music of moderate difficulty.

**Percussion**

1. Performing ability on specified rudimentary studies, etudes, and compositions.
2. Drumset performance (jazz studies students) in jazz, Latin, basic shuffle and big band.
3. Follow instructions from detailed information available at <http://www.music.gsu.edu>

**Harp**

1. Slow scales, one and one-half octaves, hands alone.
2. One study selected from "Exercise et Etudes" of Lariviere (slow to moderate tempo), one of the "Preludes Intimes" by Salzedo, and one study selected from the Lawrence-Salzedo "Method for the Harp."
3. A selected romantic, classical, or contemporary piece.

**Guitar**

1. Three major and minor scales in two octaves; three major and minor scales in three octaves. (Segovia edition)
2. A composition of moderate difficulty from any period.
3. A study or exercise demonstrating an understanding of various techniques such as legato, arpeggios, and barre.
4. Ability to sight read a composition of moderate difficulty.

**Jazz Piano (in addition to the classical requirements)**

1. Perform and improvise on two jazz compositions in contrasting styles (Latin, swing, ballad).
2. Improvise on a 12-bar blues in F or Bb.
3. Demonstrate proper chord voicings.
4. Sight reading.

**Jazz Saxophone/Trombone/Trumpet (in addition to the classical requirements)**

1. Perform and improvise on two jazz compositions in contrasting styles (Latin, swing, ballad).
2. Improvise on a 12-bar blues in F or Bb.

**Jazz Guitar**

1. Perform a chord/melody selection.
2. Perform and improvise on two jazz compositions in contrasting styles (Latin, swing, ballad).
3. All major scales in two octaves.
4. Perform a jazz guitar transcription.
5. Improvise over a 12-bar blues in F or Bb.
6. Single line sight reading.
7. Chord change sight reading (voicings).

**Jazz Bass**

1. Perform melody and walking bass lines on two jazz compositions in contrasting styles (Latin, swing, ballad).
2. Perform one technical etude (could be a transcription or an excerpt from a Bach cello suite, etc.)
3. All major scales in two octaves.
4. Improvise over a 12-bar blues in F or Bb.
5. Single line sight reading.
6. Chord change sight reading (bass lines).

A list of suggested jazz tunes for auditions is available in the office of the School of Music.

**Program Financial Information**

All applicants to the School of Music are automatically considered for talent-based scholarships. Program fees include locker, laboratory, and recital expenses associated with certain programs, classes, and degree requirements. Every student registering for an Applied Music course will be charged an Applied Music fee, in addition to matriculation and tuition fees and

music program fees. For each 1000 or 6000-level Applied Music course, a \$75.00 fee will be charged. For all other Applied Music courses, a \$150.00 fee will be charged.

## **Program Academic Regulations**

Undergraduate music degrees (B. Mu and B.S.) require students to take general education courses in the sciences and humanities (see section listing general degree requirements), courses in musical foundations, and courses in a concentration of their choice. Foundation courses include music performance (described below under “The Applied Cluster”), piano, music theory, and music history/literature. In addition to foundation courses, students must complete courses in a concentration. Available concentrations for the B. Mus degree include performance (voice, guitar, keyboard, and orchestral instruments), composition, music technology (recording), music education, and jazz. The music management curriculum is available only through the B.S. degree. Some concentrations have specializations or emphases that are detailed below.

## **Advisement**

Students are expected to meet with their faculty advisers every semester of residence. At first, a student should meet with the associate director of the School of Music to receive advisement. Once a decision has been made regarding a student’s choice of concentration, the student will be assigned a faculty adviser. Thereafter, the student will meet with this adviser each semester. Should a student decide that a change of concentration is desired, the student should apply for such a change with the associate director of the School of Music.

## **Explanation of Applied Music Levels**

Applied music consists of individual or small-group performance instruction in a student’s principal performing medium (voice, piano, trumpet, flute, etc.). All music majors must study applied music as part of their degree programs.

**1000 level:** Introductory. May be used by students who are admitted to the music degree program but who wish to study in a secondary area. With permission, introductory level courses may also be used by music minors or approved non-majors. Is not applicable to degree requirements in one’s principal performing medium. Authorization is required. One credit hour per semester; one half-hour lesson each week.

**2000 level:** Lower level. For entering freshmen and sophomores in all music concentrations. One or two credit hours per semester; one hour lesson per week.

**3000 level:** Concentration. Required of juniors and seniors whose concentration is not in performance. One or two credit hours per semester; one-hour lesson per week.

**4000 level:** Major. Required of all juniors and seniors with a concentration in performance or jazz studies; juniors and seniors in the composition concentration are required to enroll at this level for their applied composition studies. Two or three credit hours per semester; one-hour lesson per week.

## **Musical Ensembles**

Musical ensembles (choral groups, jazz ensembles, orchestra, and wind ensembles) are open to all Georgia State University students by audition. Non-music majors should contact the School of Music or the appropriate instructor for information on scheduling an audition.

Every student who is registered for applied music is required to enroll in a conducted ensemble. String, woodwind, brass, and percussion students are generally assigned to symphonic band, symphonic wind ensemble, and/or orchestra. Voice and keyboard students typically enroll in choral society, university singers, or women’s chorus. A music student may be required to perform in more than one ensemble. Factors considered in making assignments will include the specific needs and abilities of the student and the requirements of the various ensembles.

All music majors (except music education) are required to complete a minimum of eight credit hours of ensemble. Only one credit hour of ensemble per semester may be applied to the total. Assignments to specific ensembles are made each fall semester through “pool” auditions, which are required for all students in the school. Students are required to perform in those ensembles to which they are assigned.

## **The Applied Cluster**

To insure comprehensive development in performing, all music majors are required to register for and participate in the following performing activities: a) private study (applied music); b) chamber music/performance laboratory; and c) large conducted ensemble, i.e. wind ensemble/band, choir/chorus, or orchestra (jazz band may count 4 semesters only for students in jazz studies concentration; vocal jazz does not count as a large ensemble). Students may be required to participate in studio classes as scheduled by private instructors. In addition, students must attend labs/master classes as required by studio instructors. Some programs require that students register for credit in chamber music. Those not required to register for credit must register for chamber music under Mus 4010. These activities are collectively known as the Applied Cluster. Students must register for large ensemble and chamber music or performance laboratory during each semester of applied music study.

In general, music majors must register for the applied cluster for eight academic terms. The exceptions to this policy are in the music education and music management concentrations.

### Concert Attendance (Mus 1100)

Concert attendance (Mus 1100) is required of all music majors. Although the course shows on a student's transcript, it carries zero credit; there is no fee for concert attendance. To fulfill the requirements for the Bachelor of Music degree, students must receive a grade of "S" for the number of semesters of Mus 1100 required by their concentration. Transfer students must fulfill Mus 1100 for the number of semesters required to earn their degree, to a maximum of six. Credit may be granted for documented concert/recital attendance requirements at prior institutions.

### Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

Additional electives and requirements as stipulated in information provided by the Associate Director's office and the student's academic adviser in the School of Music.

### Selecting and Applying to a Concentration

Undergraduate students who plan to complete a Bachelor of Music degree in any of the following concentrations offered by the school must pass the Qualifying Exam for entrance to these concentrations during their fourth semester of applied study: Performance, Theory, Jazz Studies, Recording Technology, Composition, and Music Education.

Requirements for each concentration are available from the School of Music office. Students wishing to become candidates for music management degrees should consult with their music management program adviser regarding concentration requirements.

### Pre-Education Concentration

The School of Music offers a concentration in music education to prepare students for teaching in elementary and secondary schools in the specialties of choral/general music and instrumental music.

In addition to the general requirements for entry into teacher education ("Teacher Preparation" section 1600), students who plan to concentrate in music education must meet the following requirements of the School of Music: they must be interviewed by the music education faculty, who will evaluate (1) their statement of career goals and philosophy of teaching, (2) academic and musical achievements, and (3) personal characteristics.

Students who meet the above requirements may enroll in music education methods courses at the 3000 and 4000 levels. To be retained in the music education concentration, students must maintain musical and academic standards, which consist of grades of B or higher in all music education methods courses and proficiency in keyboard, guitar and, depending on the specialization, voice, brass, woodwind, strings or percussion.

Prior to student teaching, students will be evaluated by the faculty to determine their qualifications for student teaching. These qualifications are (1) an overall GPA of 2.5 or above, (2) a GPA of at least 2.5 in all music courses, (3) grades of C or higher in all of the courses in the concentration, and (4) grades of B or higher in all music education methods courses. In addition, students must have demonstrated their teaching competence as determined by the music education faculty and must demonstrate a record of professional attributes and personal behaviors suitable for placement in a school with children.

### Application for Entry to Teacher Education

Music education majors must file a formal application for entry into teacher education using the form available in the College of Education's Office of Academic Assistance (also available at [http://education.gsu.edu/aae/index\\_Under.htm](http://education.gsu.edu/aae/index_Under.htm)) or supplied by the music education faculty. Students must apply for entry into teacher education concurrent with their applications for practicum/internship (MUS 4260 or 4310). This normally occurs upon completion of 60 hours of course work, including courses required in Areas A through D and EDUC 2110. An overall cumulative GPA of 2.50 is required, and students must have passed the GACE I (a test of basic reading, writing, and mathematics skills) and Regents' exams.

### B.Mu. in Music

#### Areas A-E: Core Curriculum Recommendations

1. Area C: It is recommended that Bachelor of Music students complete three hours of Fine Arts through lower-division music courses not included in Area F.

#### Area F: Courses Related to the Major (18)

1. Required Courses (12)
 

|          |               |
|----------|---------------|
| Mus 1440 | Theory I (3)  |
| Mus 1450 | Theory II (3) |

Mus 1540 Aural Skills I (1)  
 Mus 1550 Aural Skills II (1)  
 Mus 1060, 1061, 1070, 1080 or 1082. Ensemble: One credit each, must be taken four times (4). Lower-division chorus, orchestra, or wind ensemble

2. Applied Lessons (four semesters) (6)  
 Select one of the following combinations:  
 Applied Music 2000 (1) (four semesters) and Group Instruction in Piano (1) (two semesters) **or**  
 Applied Music 2000 (1) (two semesters) and Applied Music 2000 (2) (two semesters)  
 The concentration descriptions below include the 18 hours used in Area F as indicated above.

### Composition Concentration

1. Performance Requirements (23)  
 Applied Music 2000 Principal (4)  
 Applied Music 3000 Principal (4)  
 Mus 4010 Performance Laboratory (0) (or chamber music credit; concurrent with applied music)  
 Mus 3000 Recital I/Principal (0)  
 Select one course (4):
  - Mus 1060 Wind Ensemble (4)
  - Mus 1061 Wind Orchestra (4)
  - Mus 1070 Orchestra (4)
  - Mus 1080 University Singers or Choral Society (4)
  - Mus 1082 Women's Chorus (4)
 Mus 1100 Concert Attendance (0) (6 Semesters)  
 Mus 1710 Group Instruction in Piano I (0-1)  
 Mus 1720 Group Instruction in Piano II (0-1)  
 Mus 2490 Basic Conducting (2)  
 Mus 2710 Group Instruction in Piano III (0-1)  
 Mus 2720 Group Instruction in Piano IV (0-1)  
 Mus 3010 Basic Improvisation (0-1)  
 Select one course (4):
  - Mus 3060 Wind Ensemble (4)
  - Mus 3061 Wind Orchestra (4)
  - Mus 3070 Orchestra (4)
  - Mus 3071 Collaborative Piano (1) (may substitute for 2 semesters of conducted ensemble with permission of faculty)
  - Mus 3080 University Singers or Choral Society (4)
  - Mus 3082 Women's Chorus (4)
2. Theory/Composition Requirements (44)  
 Applied Composition 4000 (4)  
 Mus 1440 Theory I (3)  
 Mus 1450 Theory II (3)  
 Mus 1540 Aural Skills I (1)  
 Mus 1550 Aural Skills II (1)  
 Mus 2440 Theory III (3)  
 Mus 2450 Theory IV (3)  
 Mus 2540 Aural Skills III (1)  
 Mus 2550 Aural Skills IV (1)  
 Mus 4000 Recital II/Composition (0)  
 Mus 4110 Instrumentation and Orchestration (3)  
 Mus 4210 Composition Seminar (8)  
 Mus 4450 Advanced Tonal Analysis (3)  
 Mus 4460 Analysis of Post-Tonal Music (3)  
 Mus 4500 Historical Counterpoint (3)  
 Mus 4730 Computer Applications in Music (2)  
 Mus 4760 Advanced Keyboard Harmony (1)  
 Mus 4770 Advanced Aural Skills I (1)
3. Music History/Literature Requirements (8)

- |          |                                                             |
|----------|-------------------------------------------------------------|
| Mus 4800 | Music History from Antiquity through the Baroque Period (3) |
| Mus 4810 | Music History from the Classical Period to the Present (3)  |
| Mus 4820 | World Music (2)                                             |
4. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher. Select from the following:
- |          |                                       |
|----------|---------------------------------------|
| Mus 4981 | Computer Music (3)                    |
| Mus 4982 | Advanced Topics in Computer Music (3) |

**Jazz Studies Concentration, Emphasis in Piano**

1. Performance Requirements (34)

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Applied Music 1000 | Jazz Piano (2)                                                                      |
| Applied Music 2000 | Classical Piano (4)                                                                 |
| Applied Music 4000 | Jazz Piano (8)                                                                      |
| Mus 4010           | Performance Lab (0) (or chamber music/combo credit); concurrent with applied music) |
| Mus 3000           | Recital I (0)                                                                       |
| Mus 4000           | Recital II (0)                                                                      |

Select one course (4):

  - Mus 1060 Wind Ensemble (4)
  - Mus 1061 Wind Orchestra (4)
  - Mus 1070 Orchestra (4)
  - Mus 1080 University Singers or Choral Society (4)
  - Mus 1082 Women's Chorus (4)

|           |                                        |
|-----------|----------------------------------------|
| Mus 1100  | Concert Attendance (six semesters) (0) |
| Mus 2490  | Basic Conducting (2)                   |
| Mus 2780  | Beginning Jazz Improvisation I (1)     |
| Mus 2790  | Beginning Jazz Improvisation II (1)    |
| Mus 3080B | Choral Ensemble: Vocal Jazz (1)        |
| Mus 3090  | Jazz Band (4)                          |
| Mus 3160  | Jazz Combos (3)                        |
| Mus 4360  | Advanced Keyboard Skills (2)           |
| Mus 4790  | Advanced Jazz Improvisation I (1)      |
| Mus 4791  | Advanced Jazz Improvisation II (1)     |
2. Theory/Composition Requirements (28)

|          |                                           |
|----------|-------------------------------------------|
| Mus 1440 | Theory I (3)                              |
| Mus 1450 | Theory II (3)                             |
| Mus 1540 | Aural Skills I (1)                        |
| Mus 1550 | Aural Skills II (1)                       |
| Mus 2440 | Theory III (3)                            |
| Mus 2450 | Theory IV (3)                             |
| Mus 2540 | Aural Skills III (1)                      |
| Mus 2550 | Aural Skills IV (1)                       |
| Mus 4100 | Jazz Combo Arranging (1)                  |
| Mus 4110 | Instrumentation and Orchestration (3)     |
| Mus 4170 | Arranging for the Large Jazz Ensemble (1) |
| Mus 4450 | Advanced Tonal Analysis (3)               |
| Mus 4730 | Computer Applications in Music (2)        |
| Mus 4792 | Jazz Theory (2)                           |
3. Music History/Literature Requirements (11)

|          |                                                             |
|----------|-------------------------------------------------------------|
| MuA 3500 | Jazz: Its Origins, Styles, and Influence (3)                |
| Mus 4800 | Music History from Antiquity through the Baroque Period (3) |
| Mus 4810 | Music History from the Classical Period to the Present (3)  |
| Mus 4820 | World Music (2)                                             |
4. Additional Course Requirements (3)

|          |                                           |
|----------|-------------------------------------------|
| Mus 2010 | The Music Business for Jazz Musicians (1) |
| Mus 4220 | Jazz Ensemble Techniques (2)              |

5. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher. Select from the following:
 

|          |                             |
|----------|-----------------------------|
| Mus 4770 | Advanced Aural Skills I (1) |
| Mus 4850 | Jazz Styles (2)             |

### **Jazz Studies Concentration, Emphasis in Instrumental**

1. Performance Requirements (37)
  - Applied Music 2000 (6)
  - Applied Music 4000 (8)
  - Mus 4010          Performance Laboratory (0) (or chamber music/combo credit; concurrent with applied music)
  - Mus 3000          Recital I (0)
  - Mus 4000          Recital II (0)
  - Select one course (4):
    - Mus 1060          Wind Ensemble (4)
    - Mus 1061          Wind Orchestra (4)
    - Mus 1070          Orchestra (4)
    - Mus 1080          University Singers or Choral Society (4)
    - Mus 1082          Women's Chorus (4)
  - Mus 1100          Concert Attendance (six semesters) (0)
  - Mus 1710          Group Instruction in Piano I (0-1)
  - Mus 1720          Group Instruction in Piano II (0-1)
  - Mus 2710          Group Instruction in Piano III (0-1)
  - Mus 2720          Group Instruction in Piano IV (0-1)
  - Mus 3160          Jazz Combos (3)
  - Applied Music 1000 (Jazz Piano) or Mus 4750 (0-1)
  - Mus 2490          Basic Conducting (2)
  - Mus 2780          Beginning Jazz Improvisation I (1)
  - Mus 2790          Beginning Jazz Improvisation II (1)
  - Mus 3080B          Choral Ensemble: Vocal Jazz (1)
  - Mus 3090          Jazz Band (4)
  - Mus 4790          Advanced Jazz Improvisation I (1)
  - Mus 4791          Advanced Jazz Improvisation II (1)
2. Theory/Composition Requirements (28)
  - Mus 1440          Theory I (3)
  - Mus 1450          Theory II (3)
  - Mus 1540          Aural Skills I (1)
  - Mus 1550          Aural Skills II (1)
  - Mus 2440          Theory III (3)
  - Mus 2450          Theory IV (3)
  - Mus 2540          Aural Skills III (1)
  - Mus 2550          Aural Skills IV (1)
  - Mus 4100          Jazz Combo Arranging (1)
  - Mus 4110          Instrumentation and Orchestration (3)
  - Mus 4170          Arranging for the Large Jazz Ensemble (1)
  - Mus 4450          Advanced Tonal Analysis (3)
  - Mus 4730          Computer Applications in Music (2)
  - Mus 4792          Jazz Theory (2)
3. Music History/Literature Requirements (11)
  - MuA 3500          Jazz: Its Origins, Styles, and Influence (3)
  - Mus 4800          Music History from Antiquity through the Baroque Period (3)
  - Mus 4810          Music History from the Classical Period to the Present (3)
  - Mus 4820          World Music (2)
4. Additional Course Requirements (3)
  - Mus 2010          The Music Business for Jazz Musicians (1)
  - Mus 4220          Jazz Ensemble Techniques (2)



5. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher. Select from the following:
 

|          |                             |
|----------|-----------------------------|
| Mus 4770 | Advanced Aural Skills I (1) |
| Mus 4850 | Jazz Styles (2)             |

### **Pre-Education Concentration, Emphasis in Choral/General**

1. Performance Requirements (25)
 

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Applied Music 2000 | (4)                                                                                 |
| Applied Music 3000 | (3)                                                                                 |
| Mus 4010           | Performance Laboratory (0) (or chamber music credit; concurrent with applied music) |
| Mus 3000           | Recital I (0) (optional)                                                            |
| Mus 1080           | Choral Ensemble (4) <b>or</b>                                                       |
| Mus 1082           | Women's Chorus (4)                                                                  |
| Mus 1100           | Concert Attendance (six semesters) (0)                                              |
| Mus 1710           | Group Instruction in Piano I (0-1)                                                  |
| Mus 1720           | Group Instruction in Piano II (0-1)                                                 |
| Mus 2710           | Group Instruction in Piano III (0-1)                                                |
| Mus 2720           | Group Instruction in Piano IV (0-1)                                                 |

 Select one of the following three:
  - Mus 1730 and 1740 Group Instruction in Voice I and II (2)
  - Mus 4440 Vocal Pedagogy (2)
  - Applied Music 1000 (2)

|          |                                                                                                          |
|----------|----------------------------------------------------------------------------------------------------------|
| Mus 2490 | Basic Conducting (2)                                                                                     |
| Mus 3010 | Basic Improvisation (0-1)                                                                                |
| Mus 3071 | Collaborative Piano (1) (may substitute for 1 semester of conducted ensemble with permission of faculty) |
| Mus 3080 | University Singers or Choral Society (3) <b>or</b>                                                       |
| Mus 3082 | Women's Chorus (3)                                                                                       |
| Mus 4480 | Choral Conducting (2)                                                                                    |
2. Theory/Composition Requirements (22)
 

|          |                                       |
|----------|---------------------------------------|
| Mus 1440 | Theory I (3)                          |
| Mus 1450 | Theory II (3)                         |
| Mus 1540 | Aural Skills I (1)                    |
| Mus 1550 | Aural Skills II (1)                   |
| Mus 2440 | Theory III (3)                        |
| Mus 2450 | Theory IV (3)                         |
| Mus 2540 | Aural Skills III (1)                  |
| Mus 2550 | Aural Skills IV (1)                   |
| Mus 4110 | Instrumentation and Orchestration (3) |
| Mus 4140 | Arranging for Chorus (1)              |
| Mus 4730 | Computer Applications in Music (2)    |
3. Music History/Literature Requirements (8)
 

|          |                                                             |
|----------|-------------------------------------------------------------|
| Mus 4800 | Music History from Antiquity through the Baroque Period (3) |
| Mus 4810 | Music History from the Classical Period to the Present (3)  |

 World Music Requirement (2): Choral music education students fulfill this requirement by electing Pers 2001—Music in Comparative Cultures—in Area B of the core. Students who do not take this course must elect Mus 4820—World Music—to fulfill the world music requirement.
4. Music Education Requirements (30). Students must earn a grade of B or higher in these courses.
 

|          |                                                   |
|----------|---------------------------------------------------|
| Mus 3310 | Introduction to Music Education (2)               |
| Mus 3320 | General Music in Early Childhood (3)              |
| Mus 3330 | General Music in Middle and Secondary Schools (3) |
| Mus 3340 | Choral Music in the Schools (3)                   |
| Mus 3350 | Techniques of Classroom Instruments (1)           |
| Mus 4250 | Music in Special Education (3)                    |
| Mus 4260 | Practicum in Music Education (3)                  |
| Mus 4270 | (TE) Student Teaching in Music (9)                |
| Mus 4290 | (TE) Senior Seminar in Music Education (3)        |

5. Professional Education Requirements (9)
  - EDUC2110 Investigating Critical & Contemporary Issues in Education (3)
  - EDUC2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3)
  - EDUC2130 Exploring Learning & Teaching (3)
6. The program requires 131 hours, subject to proficiencies. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher.

### **Pre-Education Concentration, Emphasis in Instrumental**

1. Performance Requirements (23)
  - Applied Music 2000 (4)
  - Applied Music 3000 (3)
  - Mus 4010 Performance Laboratory (0) (or chamber music credit; concurrent with applied music)
  - Mus 3000 Recital I (0) (Optional)
  - Select one course (4):
    - Mus 1060 Wind Ensemble (4)
    - Mus 1061 Wind Orchestra (4)
    - Mus 1070 Orchestra (4)
    - Mus 1080 University Singers or Choral Society (4)
    - Mus 1082 Women's Chorus (4)
  - Mus 1100 Concert Attendance (six semesters) (0)
  - Mus 1710 Group Instruction in Piano I (0-1)
  - Mus 1720 Group Instruction in Piano II (0-1)
  - Mus 2490 Basic Conducting (2)
  - Mus 2710 Group Instruction in Piano III (0-1)
  - Mus 2720 Group Instruction in Piano IV (0-1)
  - Mus 3010 Basic Improvisation (0-1)
  - Select one course (3):
    - Mus 3060 Wind Ensemble (3)
    - Mus 3061 Wind Orchestra (3)
    - Mus 3070 Orchestra (3)
    - Mus 3080 University Singers or Choral Society (3)
    - Mus 3082 Women's Chorus (3)
  - Mus 4490 Instrumental Conducting (2)
2. Instrumental Techniques Requirements (4)
  - Mus 3230 Brass Techniques (1)
  - Mus 3240 String Techniques (1)
  - Mus 3250 Woodwind Techniques (1)
  - Mus 3260 Percussion Techniques (1)
3. Theory/Composition Requirements (21)
  - Mus 1440 Theory I (3)
  - Mus 1450 Theory II (3)
  - Mus 1540 Aural Skills I (1)
  - Mus 1550 Aural Skills II (1)
  - Mus 2440 Theory III (3)
  - Mus 2450 Theory IV (3)
  - Mus 2540 Aural Skills III (1)
  - Mus 2550 Aural Skills IV (1)
  - Mus 4110 Instrumentation and Orchestration (3)
  - Mus 4730 Computer Applications in Music (2)
4. Music History/Literature Requirements (8)
  - Mus 4800 Music History from Antiquity through the Baroque Period (3)
  - Mus 4810 Music History from the Classical Period to the Present (3)
  - Mus 4820 World Music (2)

World Music Requirement (2): Instrumental music education students fulfill this requirement by electing Pers 2001 – Music in Comparative Cultures – in Area B of the core. Students who do not take this course must elect Mus 4820 – World Music – to fulfill the world music requirement.
5. Music Education Requirements (28). Students must earn a grade of B or higher in these courses.

- Mus 3310 Introduction to Music Education (2)
- Mus 3350 Techniques of Classroom Instruments (1)
- Mus 3358 Teaching Beginning Strings (2)
- Mus 3359 Teaching Beginning Winds and Percussion (2)
- Mus 3360 Teaching Intermediate and Advanced Instrumental Music (3)
- Mus 4250 Music in Special Education (3)
- Mus 4260 Practicum in Music Education (3)
- Mus 4270 (TE) Student Teaching in Music (9)
- Mus 4290 (TE) Senior Seminar in Music Education (3)
- 6. Professional Education Requirements (9)
  - EDUC 2110 Investigating Critical & Contemporary Issues in Education (3)
  - EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3)
  - EDUC 2130 Exploring Learning & Teaching (3)
- 7. The program requires a minimum of 130 hours, subject to proficiencies. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State with an average grade of C or higher.

### **Music Technology Concentration (Sound Recording)**

1. Performance Requirements (21)
  - Applied Music 2000 (4)
  - Applied Music 3000 (2)
  - Mus 4010 Performance Laboratory (0) (or chamber music credit; concurrent with applied music)
  - Mus 1100 Concert Attendance (six semesters) (0)
  - Select one course (4):
    - Mus 1060 Wind Ensemble (4)
    - Mus 1061 Wind Orchestra (4)
    - Mus 1070 Orchestra (4)
    - Mus 1080 University Singers or Choral Society (4)
    - Mus 1082 Women's Chorus (4)
  - Mus 1710 Group Instruction in Piano I (0-1)
  - Mus 1720 Group Instruction in Piano II (0-1)
  - Mus 2710 Group Instruction in Piano III (0-1)
  - Mus 2720 Group Instruction in Piano IV (0-1)
  - Mus 3010 Basic Improvisation (0-1)
  - Select one course (4):
    - Mus 3060 Wind Ensemble (4)
    - Mus 3070 Orchestra (4)
    - Mus 3071 Collaborative Piano (1) (may substitute for 2 semesters of conducted ensemble with permission of faculty)
    - Mus 3080 University Singers or Choral Society (4)
2. Theory/Composition Requirements (16)
  - Mus 1440 Theory I (3)
  - Mus 1450 Theory II (3)
  - Mus 1540 Aural Skills I (1)
  - Mus 1550 Aural Skills II (1)
  - Mus 2440 Theory III (3)
  - Mus 2450 Theory IV (3)
  - Mus 2540 Aural Skills III (1)
  - Mus 2550 Aural Skills IV (1)
3. Music History/Literature Requirements (8)
  - Mus 4800 Music History from Antiquity through the Baroque Period (3)
  - Mus 4810 Music History from the Classical Period to the Present (3)
  - Mus 4820 World Music (2)
4. Music Technology/Recording (33)
  - Phys 2030K Physical Science: Physics of Music and Speech (3)
  - MTM 3010 Introduction to Music Industry (3)
  - MTM 3040 Practicum (0-2)

- |          |                                                       |
|----------|-------------------------------------------------------|
| MTM 3080 | Internship (6)                                        |
| MTM 3110 | Introduction to Audio Recording (4)                   |
| MTM 3120 | Digital Audio Technology and Recording Techniques (4) |
| MTM 3130 | Advanced Topics in Recording and Audio Production (4) |
| MTM 3230 | Audio Post-Production (4)                             |
| MTM 4900 | Music Technology Final Project (3)                    |
5. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher. Select from:
- |          |                                       |
|----------|---------------------------------------|
| Mus 4981 | Computer Music (3)                    |
| Mus 4982 | Advanced Topics in Computer Music (3) |

### **Performance Concentration, Emphasis in Piano**

1. Performance Requirements (34)
  - Applied Music 2000 (6)
  - Applied Music 4000 (12)
  - Mus 4010 Performance Laboratory (0) (or chamber music credit; concurrent with applied music)
  - Mus 3000 Recital I (0)
  - Mus 4000 Recital II (0)
  - Select one course (4):
    - Mus 1060 Wind Ensemble (4)
    - Mus 1061 Wind Orchestra (4)
    - Mus 1070 Orchestra (4)
    - Mus 1080 University Singers or Choral Society (4)
    - Mus 1082 Women's Chorus (4)
  - Mus 1100 Concert Attendance (0) (six semesters)
  - Mus 2490 Basic Conducting (2)
  - Mus 3010 Basic Improvisation (0-1)
  - Select one course (4):
    - Mus 3060 Wind Ensemble (4)
    - Mus 3061 Wind Orchestra (4)
    - Mus 3070 Orchestra (4)
    - Mus 3071 Collaborative Piano (1) (may substitute for 2 semesters of conducted ensemble with permission of faculty)
    - Mus 3080 University Singers or Choral Society (4)
    - Mus 3082 Women's Chorus (4)
  - Mus 4360 Advanced Keyboard Skills (2)
  - Select one course (2):
    - Mus 4480 Choral Conducting (2)
    - Mus 4490 Instrumental Conducting (2)
  - Mus 4530 Accompanying (1)
2. Theory/Composition Requirements (25)
  - Mus 1440 Theory I (3)
  - Mus 1450 Theory II (3)
  - Mus 1540 Aural Skills I (1)
  - Mus 1550 Aural Skills II (1)
  - Mus 2440 Theory III (3)
  - Mus 2450 Theory IV (3)
  - Mus 2540 Aural Skills III (1)
  - Mus 2550 Aural Skills IV (1)
  - Mus 4110 Instrumentation and Orchestration (3)
  - Mus 4450 Advanced Tonal Analysis (3)
  - Mus 4730 Computer Applications in Music (2)
  - Select one course (1):
    - Mus 4140 Arranging for Chorus (1)
    - Mus 4770 Advanced Aural Skills (1)
3. Music History/Literature Requirements (11)
  - Mus 4610 Piano Literature (3)

- Mus 4800 Music History from Antiquity through the Baroque Period (3)
- Mus 4810 Music History from the Classical Period to the Present (3)
- Mus 4820 World Music (2)
- 4. Mus 4410 Piano Pedagogy I (3)
- 5. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher.

### Performance Concentration, Emphasis in Orchestral Instruments or Guitar

1. Performance Requirements (35)
  - Applied Music 2000 (6)
  - Applied Music 4000 (12)
  - Mus 4010 Performance Laboratory (0) (or chamber music credit; concurrent with applied music)
  - Mus 3000 Recital I (0)
  - Mus 4000 Recital II (0)
  - Select one course (4):
    - Mus 1060 Wind Ensemble (4)
    - Mus 1061 Wind Orchestra (4)
    - Mus 1070 Orchestra (4)
    - Mus 1080 University Singers or Choral Society (4)
    - Mus 1082 Women's Chorus (4)
  - Mus 1100 Concert Attendance (0) (six semesters)
  - Mus 1710 Group Instruction in Piano I (0-1)
  - Mus 1720 Group Instruction in Piano II (0-1)
  - Mus 2710 Group Instruction in Piano III (0-1)
  - Mus 2720 Group Instruction in Piano IV (0-1)
  - Mus 2490 Basic Conducting (2)
  - Mus 3010 Basic Improvisation (0-1)
  - Select one course (4):
    - Mus 3060 Wind Ensemble (4)
    - Mus 3070 Orchestra (4)
    - Mus 3080 University Singers or Choral Society (4)
  - Select one course (2):
    - Mus 4480 Choral Conducting (2)
    - Mus 4490 Instrumental Conducting (2)
2. Performance II: Select one of the following. (3)
  - Mus 3110 Brass Ensembles (3)
  - Mus 3120 Chamber Music for Strings (3)
  - Mus 3130 Chamber Music for Woodwinds (3)
  - Mus 3140 Percussion Ensemble (3)
  - Mus 3150 Guitar Ensemble (3)
3. Performance III: Select one of the following. (1)
  - Mus 3230 Brass Techniques (1)
  - Mus 3240 String Techniques (1)
  - Mus 3250 Woodwind Techniques (1)
  - Mus 3260 Percussion Techniques (1)
4. Theory/Composition Requirements (25)
  - Mus 1440 Theory I (3)
  - Mus 1450 Theory II (3)
  - Mus 1540 Aural Skills I (1)
  - Mus 1550 Aural Skills II (1)
  - Mus 2440 Theory III (3)
  - Mus 2450 Theory IV (3)
  - Mus 2540 Aural Skills III (1)
  - Mus 2550 Aural Skills IV (1)
  - Mus 4110 Instrumentation and Orchestration (3)
  - Mus 4450 Advanced Tonal Analysis (3)
  - Mus 4730 Computer Applications in Music (2)
  - Mus 4770 Advanced Aural Skills (1)

5. Music History/Literature Requirements (11)
  - Mus 4800 Music History from Antiquity through the Baroque Period (3)
  - Mus 4810 Music History from the Classical Period to the Present (3)
  - Mus 4820 World Music (2)
  - Select one course (3):
    - Mus 4910 Chamber Literature (3)
    - Mus 4940 Orchestral Literature (3)
6. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher.

### **Performance Concentration, Emphasis in Organ**

1. Performance Requirements (36)
  - Applied Music 2000 (6)
  - Applied Music 4000 (12)
  - Mus 4010 Performance Laboratory (0) (concurrent with applied music)
  - Mus 3000 Recital I (0)
  - Mus 4000 Recital II (0)
  - Applied Music 1000 (Secondary) (2)
  - Mus 1080 University Singers or Choral Society (4) **or**
  - Mus 1082 Women's Chorus (4)
  - Mus 1100 Concert Attendance (0) (six semesters)
  - Mus 2490 Basic Conducting (2)
  - Mus 3071 Collaborative Piano (1) (may substitute for 2 semesters of conducted ensemble with permission of faculty)
  - Mus 3010 Basic Improvisation (0-1)
  - Mus 3080 University Singers or Choral Society (4) **or**
  - Mus 3082 Women's Chorus (4)
  - Mus 4200 Service Playing and Church Music Skills (2)
  - Select one course (2):
    - Mus 4480 Choral Conducting (2)
    - Mus 4490 Instrumental Conducting (2)
  - Mus 4530 Accompanying (1)
2. Theory/Composition Requirements (26)
  - Mus 1440 Theory I (3)
  - Mus 1450 Theory II (3)
  - Mus 1540 Aural Skills I (1)
  - Mus 1550 Aural Skills II (1)
  - Mus 2440 Theory III (3)
  - Mus 2450 Theory IV (3)
  - Mus 2540 Aural Skills III (1)
  - Mus 2550 Aural Skills IV (1)
  - Mus 4110 Instrumentation and Orchestration (3)
  - Mus 4730 Computer Applications in Music (2)
  - Select one course (1):
    - Mus 4140 Choral Arranging (1)
    - Mus 4770 Advanced Aural Skills (1)
  - Select one course (3):
    - Mus 4450 Advanced Tonal Analysis (3)
    - Mus 4500 Historical Counterpoint (3)
  - Mus 4760 Advanced Keyboard Harmony (1)
3. Music History/Literature Requirements (11)
  - Mus 4710 Organ Literature (3)
  - Mus 4800 Music History from Antiquity through the Baroque Period (3)
  - Mus 4810 Music History from the Classical Period to the Present (3)
  - Mus 4820 World Music (2)
4. Mus 4420 Organ Pedagogy (3)



5. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher.

### Performance Concentration, Emphasis in Voice

1. Performance Requirements (40)  
 Applied Music 2000 (6)  
 Applied Music 4000 (12)  
 Mus 4010 Performance Laboratory (0) (concurrent with applied music)  
 Mus 3000 Recital I (0)  
 Mus 4000 Recital II (0)  
 Mus 1080 University Singers or Choral Society (4) **or**  
 Mus 1082 Women's Chorus (4)  
 Mus 1100 Concert Attendance (0) (six semesters)  
 Mus 1710 Group Instruction in Piano I (0-1)  
 Mus 1720 Group Instruction in Piano II (0-1)  
 Mus 2710 Group Instruction in Piano III (0-1)  
 Mus 2720 Group Instruction in Piano IV (0-1)  
 Mus 2490 Basic Conducting (2)  
 Mus 3010 Basic Improvisation (0-1)  
 Mus 3080 University Singers or Choral Society (4) **or**  
 Mus 3082 Women's Chorus (4)  
 Mus 3100 Opera Workshop (1-3)  
 Mus 4011 Singing in Italian (1)  
 Mus 4021 Singing in German (1)  
 Mus 4031 Singing in French (1)  
 Mus 4041 Singing in English (1)
2. Theory/Composition Requirements (21)  
 Mus 1440 Theory I (3)  
 Mus 1450 Theory II (3)  
 Mus 1540 Aural Skills I (1)  
 Mus 1550 Aural Skills II (1)  
 Mus 2440 Theory III (3)  
 Mus 2450 Theory IV (3)  
 Mus 2540 Aural Skills III (1)  
 Mus 2550 Aural Skills IV (1)  
 Mus 4110 Instrumentation and Orchestration (3)  
 Mus 4730 Computer Applications in Music (2)
3. Music History/Literature Requirements (11)  
 Mus 4620 Vocal Literature (3)  
 Mus 4800 Music History from Antiquity through the Baroque Period (3)  
 Mus 4810 Music History from the Classical Period to the Present (3)  
 Mus 4820 World Music (2)
4. Foreign Language: Select two courses. (6)  
 Fren 1002 Elementary French II (3)  
 Grmn 1002 Elementary German II (3)  
 Ital 1002 Elementary Italian II (3)
5. Mus 4440 Vocal Pedagogy (2)
6. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher.

### B.S. In Music, Concentration in Music Management

#### Area F: Courses Related to the Major (18)

\* Applied Music 2000 (4)

- Mus 1440 Theory I (3)
- Mus 1450 Theory II (3)
- Mus 1540 Aural Skills I (1)
- Acct 2101 Principles of Accounting I (3)

Select one (4):

|          |                                          |
|----------|------------------------------------------|
| Mus 1060 | Wind Ensemble (4)                        |
| Mus 1061 | Wind Orchestra (4)                       |
| Mus 1070 | Orchestra (4)                            |
| Mus 1080 | University Singers or Choral Society (4) |
| Mus 1082 | Women's Chorus (4)                       |

\* With special permission, students may substitute two credits of Applied Music 2000 in combination with Mus 2710 and Mus 2720 (Group Instruction in Piano III and IV), Mus 1730 and Mus 1740 (Group Instruction in Voice I and II), or Mus 1750 and Mus 1760 (Group Instruction in Guitar I and II).

### Area G: Major Courses (78)

This concentration description includes the 18 hours used in Area F as indicated above.

#### 1. Performance Requirements (15)

\* Applied Music 2000 (4)

Mus 4010 Performance Laboratory (0) (or chamber music credit; concurrent with applied music)

Select one (4):

- Mus 1060 Wind Ensemble (4)
- Mus 1061 Wind Orchestra (4)
- Mus 1070 Orchestra (4)
- Mus 1080 University Singers or Choral Society (4)
- Mus 1082 Women's Chorus (4)

Mus 1710 Group Instruction in Piano I (1) (or proficiency)

Mus 1720 Group Instruction in Piano II (1) (or proficiency)

Select one (4):

- Mus 3060 Wind Ensemble (4)
- Mus 3061 Wind Orchestra (4)
- Mus 3070 Orchestra (4)
- Mus 3071 Collaborative Piano (1) (may substitute for 2 semesters of conducted ensemble with permission of faculty)
- Mus 3080 University Singers or Choral Society (4)
- Mus 3082 Women's Chorus (4)

Mus 3010 Basic Improvisation (1) (or proficiency)

#### 2. Theory/Composition Requirements (18)

Mus 1440 Theory I (3)

Mus 1450 Theory II (3)

Mus 1540 Aural Skills I (1)

Mus 1550 Aural Skills II (1)

Mus 2440 Theory III (3)

Mus 2450 Theory IV (3)

Mus 2540 Aural Skills III (1)

Mus 2550 Aural Skills IV (1)

Mus 4730 Computer Applications in Music (2) (or proficiency)

#### 3. Music History/Literature Requirements (6)

Select one of the following two:

Mus 4800 Music History from Antiquity through the Baroque Period (3)

Mus 4810 Music History from the Classical Period to the Present (3)

Select one of the following two:

MuA 3810 History of African-American Music (3)

MuA 3970 Rhythm 'N' Blues, Rock, and Rap (3)

World Music Requirement (2):

Music Management students fulfill this requirement by electing Pers 2001—Music in Comparative Cultures—in Area B of the core. Students who do not take this course must elect Mus 4820—World Music—to fulfill the world music requirement.

#### 4. Music Management (24)

Required courses (16)

MTM 3010 Introduction to the Music Industry (3)

MTM 3030 Marketing and Branch Sales in the Music Industry (3)

MTM 3050 Legal Aspects of the Music Industry (3)

MTM 3080 Internship (6)

- |                        |                                            |
|------------------------|--------------------------------------------|
| MTM 4910               | Music Management Senior Project (1)        |
| Additional courses (8) |                                            |
| MTM 3020               | Promotion of Recorded Music (3)            |
| MTM 3040               | Practicum (2)                              |
| MTM 3300               | Copyright and Music Publishing (3)         |
| MTM 3440               | Entrepreneurship in the Music Industry (2) |
| MTM 3450               | Artist Representation (2)                  |
| MTM 3600               | International Recording Industry (2)       |
5. Business Requirements (15)
- Required courses (6)
- |           |                                                  |
|-----------|--------------------------------------------------|
| Acct 2101 | Principles of Accounting I (3)                   |
| Econ 3050 | Economics of Art, Entertainment, and Culture (3) |
- Additional courses (9). Select from:
- |           |                                                        |
|-----------|--------------------------------------------------------|
| CIS 2010  | Introduction to Computer-Based Information Systems (3) |
| Econ 2106 | Principles of Microeconomics (3)                       |
| Econ 3020 | Race, Sex, and the Economy (3)                         |
| Fi 3010   | Consumer Finance (3)                                   |
| Mgs 3400  | Managing People in Organizations (3)                   |
| Mk 3010   | Basic Marketing (3)                                    |
| Mk 4100   | Buyer Behavior (3)                                     |
| Mk 4300   | Advertising (3)                                        |
| Mk 4330   | Principles of Selling (3)                              |
| Mk 4400   | Distribution Management (3)                            |
| Mk 4620   | Product Development (3)                                |
6. Select additional courses to complete a minimum of 120 hours. A minimum of 39 semester hours in courses at the 3000 level or above must be completed in residence at Georgia State University with an average grade of C or higher.

### Minor in Music

The School of Music offers minors in music and music management. A background in music is helpful but not necessary. Each minor requires 18 semester hours of course work in music, 9 of which must be at the 3000-4000 level. Courses include music theory, music history, performance, and electives. Certain courses entail prerequisites that may not count toward the 18 credits required for the minor. Students interested in either minor should contact the School of Music main office at 404/651-3676 for further information. An advising appointment and approval by the associate director of the School of Music are required before students may accumulate credits toward the minor.

## 3440 Philosophy

### Programs Offered:

**Bachelor of Arts in Philosophy**

**Concentration in Pre-Law**

**Minor in Philosophy**

Department of Philosophy

34 Peachtree St., 11<sup>th</sup> Floor

404/651-2277

<http://www.gsu.edu/philosophy>

George Rainbolt, Chair

Eddy Nahmias, Director of Undergraduate Studies

Philosophy is the study of the principles of knowledge and valid reasoning; the foundations of morality, law, and society; and the fundamental structures of reality. It is an attempt to understand the basic commitments concerning human beings, God, and nature that guide the personal and professional lives of people and that constitute an essential aspect of human culture. It is also a search for critical tools to evaluate these commitments and to ensure objectivity, disciplined insight, and rational argument.

The Department of Philosophy offers two undergraduate degree programs, the Bachelor of Arts in Philosophy and the Bachelor of Arts in Philosophy with a Pre-Law Concentration. Majors are urged to consult with their advisers in order to prepare the course of study most appropriate to their individual interests and needs. All majors planning to attend graduate school

should consult closely with their advisers concerning courses appropriate for their anticipated graduate programs. Philosophy minors and all students intending to take departmental courses are invited to discuss their goals and needs with members of the Department of Philosophy. The department maintains an extensive website, <http://www.gsu.edu/philosophy>.

## Major in Philosophy

Philosophy is an appropriate study for anyone wishing a broad liberal education that teaches one how to think and that promotes self-awareness. It is particularly appropriate as a major or minor for those contemplating a career in law, administration, public service, politics, business, education, or religion. Students in other fields are encouraged to consider the possibility of a double major with philosophy.

The Department of Philosophy offers a wide variety of courses especially developed for students in business, health sciences, education, and public and urban affairs, as well as for those who pursue a scientific or humanistic career. For those studying the humanities or the sciences, philosophy provides invaluable critical skills, insight into methodological presuppositions, and an appreciation of the intellectual currents that have shaped history.

A special component of the department's program is a series of courses in applied philosophy, the study of which provides skills having practical application in one's personal, social, and professional life. Courses in this area include philosophy of law, biomedical ethics, and business ethics.

## Major in Philosophy with a Pre-Law Concentration

The study of philosophy is excellent preparation for law school. The critical thinking skills, clarity in writing and argumentative rigor required in philosophy provide students with the tools they need to be successful in law school and as lawyers. Moreover, philosophy majors have had traditionally the highest average scores on the LSAT and the highest admission rates to law school of any major. (For this data, see <http://www.gsu.edu/philosophy>, and click on "Major.") Students interested in the major in philosophy with a pre-law concentration, should consult with the Department's pre-law adviser, Dr. Andrew I. Cohen, [aicohen@gsu.edu](mailto:aicohen@gsu.edu).

## Program Academic Regulations

A 2000 or 3000-level philosophy course is a prerequisite for all 4000-level philosophy courses. Majors are urged to take Phil 2010 and Phil 2050 before taking 4000-level courses.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.A. in Philosophy

### Areas A-E: Core Curriculum Recommendations

1. Area B: The department strongly recommends that philosophy majors take Phil 1010, Critical Thinking.

### Area F: Courses Appropriate to the Major (18)

1. Required Courses (9)
 

|           |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
| Phil 2010 | Great Questions of Philosophy (3)                                                                    |
| Phil 2050 | Philosophical Thinking (3)                                                                           |
|           | The department recommends that Phil 2050 be taken before enrolling in 4000-level philosophy courses. |
| Lang 1002 | Elementary Foreign Language II (3)                                                                   |
2. Recommended Courses (6)
 

|           |                                      |
|-----------|--------------------------------------|
| Lang 2001 | Intermediate Foreign Language I (3)  |
| Lang 2002 | Intermediate Foreign Language II (3) |
3. Select additional 1000/2000-level courses from core curriculum Areas B, C, D, or E to complete the 18 hours required in Area F. (3-9)

### Area G: Major Courses (24)

A grade of C or higher is required in all major courses.

To satisfy the requirements for the B.A. degree with a major in philosophy, students must take a total of 24 semester hours in philosophy courses at the 3000 level or above, including the following distribution requirements:

1. History of Philosophy Requirements (6)
 

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Phil 3010 | History of Western Philosophy I: Ancient and Medieval (3) |
| Phil 3020 | History of Western Philosophy II: Modern (3)              |
2. Ethics Requirement: Select at least one of the following courses. (3)

- |           |                                 |
|-----------|---------------------------------|
| Phil 3720 | Contemporary Moral Problems (3) |
| Phil 3730 | Business Ethics (3)             |
| Phil 4700 | Ethics (3)                      |
3. Metaphysics and Epistemology Requirement: Select at least one of the following courses. (3)
- |           |                                      |
|-----------|--------------------------------------|
| Phil 4090 | Topics in Continental Philosophy (3) |
| Phil 4100 | Epistemology (3)                     |
| Phil 4130 | Philosophy of Science (3)            |
| Phil 4300 | Metaphysics (3)                      |
| Phil 4330 | Philosophy of Mind (3)               |
| Phil 4530 | Philosophy of Language (3)           |

Students preparing to apply to philosophy Ph.D. programs are encouraged to take the following courses while completing the normal requirements:

- |           |                    |
|-----------|--------------------|
| Phil 4100 | Epistemology (3)   |
| Phil 4300 | Metaphysics (3)    |
| Phil 4520 | Symbolic Logic (3) |
| Phil 4700 | Ethics (3)         |

Developing a relationship with one or more professors so that they know you well and can write good letters of recommendation is also an excellent idea.

#### **Area H: Minor and Additional Courses**

1. Students majoring in philosophy are not required to take a minor.
2. The department strongly recommends that philosophy majors take the fourth semester of a foreign language as an elective course.

#### **Pre-Law Concentration**

Area A-F requirements are the same for the B.A. in Philosophy and the B.A. in Philosophy with a Pre-Law Concentration

#### **Areas A-E: Core Curriculum Recommendations**

1. Area B: The department strongly recommends that philosophy majors take Phil 1010, Critical Thinking.

#### **Area F: Courses Appropriate to the Major (18)**

1. Required Courses (9)

|           |                                   |
|-----------|-----------------------------------|
| Phil 2010 | Great Questions of Philosophy (3) |
| Phil 2050 | Philosophical Thinking (3)        |

The department recommends that Phil 2050 be taken before enrolling in 4000-level philosophy courses.

|           |                                    |
|-----------|------------------------------------|
| Lang 1002 | Elementary Foreign Language II (3) |
|-----------|------------------------------------|
2. Recommended Courses (6)

|           |                                       |
|-----------|---------------------------------------|
| Lang 2001 | Intermediate Foreign Language I (3)*  |
| Lang 2002 | Intermediate Foreign Language II (3)* |
3. Select additional 1000/2000 level courses from core curriculum Areas B, C, D, or E to complete the 18 hours required in Area F. (3-9)

\*When considering foreign language courses to meet the Area F requirement indicated above, Pre-Law concentration students with no other language preference should consider that a grounding in Latin is useful in law school.

#### **Area G: Major Courses (24)**

A grade of C or higher is required in all major courses.

To satisfy the requirements for the B.A. degree with a major in philosophy with a pre-law concentration, students must take a total of 24 semester hours in philosophy courses at the 3000 level or above, including the following distribution requirements:

1. History of Philosophy Requirements (6)

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Phil 3010 | History of Western Philosophy I: Ancient and Medieval (3) |
| Phil 3020 | History of Western Philosophy II: Modern (3)              |
2. Ethics Requirement: Select at least one of the following courses. (3)

|           |                                 |
|-----------|---------------------------------|
| Phil 3720 | Contemporary Moral Problems (3) |
|-----------|---------------------------------|

- |    |                                                                                             |                                               |
|----|---------------------------------------------------------------------------------------------|-----------------------------------------------|
|    | Phil 3730                                                                                   | Business Ethics (3)                           |
|    | Phil 4700                                                                                   | Ethics (3)                                    |
|    | Phil 4850                                                                                   | African-American Ethical and Legal Issues (3) |
| 3. | Metaphysics and Epistemology Requirement: Select at least one of the following courses. (3) |                                               |
|    | Phil 4090                                                                                   | Topics in Continental Philosophy (3)          |
|    | Phil 4100                                                                                   | Epistemology (3)                              |
|    | Phil 4130                                                                                   | Philosophy of Science (3)                     |
|    | Phil 4300                                                                                   | Metaphysics (3)                               |
|    | Phil 4330                                                                                   | Philosophy of Mind (3)                        |
|    | Phil 4530                                                                                   | Philosophy of Language (3)                    |
| 4. | Pre-Law Concentration Requirement (12)                                                      |                                               |
|    | Phil 4700                                                                                   | Ethics (3)                                    |
|    | Phil 4820                                                                                   | Philosophy of Law (3)                         |

Two of the following courses (6)

- |           |                                                                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AAS 3070  | African-Americans in the Criminal Justice System (3)                                                                                                             |
| Hist 3220 | United States in the Twentieth century (4)                                                                                                                       |
| Hist 4240 | American Labor and Working Class (4)                                                                                                                             |
| Hist 4532 | Crime, Law, and Society in Early Modern Europe (4)                                                                                                               |
| Hist 4540 | Britain, Ireland, and the British Atlantic, 1485 to 1689 (4)                                                                                                     |
| Hist 4620 | Europe: Culture and Ideas (4)                                                                                                                                    |
| LgIS 3020 | Introduction to the Law (3)                                                                                                                                      |
| LgIS 4050 | Principles of Business Law (3)                                                                                                                                   |
| Phil 4520 | Symbolic Logic (3) This course is strongly recommended both for the mental abilities it develops and because many feel that it improves performance on the LSAT. |
| Phil 4670 | Church and State (3)                                                                                                                                             |
| PolS 3110 | State Government (3)                                                                                                                                             |
| PolS 3140 | Judicial Process and Courts (3)                                                                                                                                  |
| PolS 3170 | American Legislative Process (3)                                                                                                                                 |
| PolS 3700 | Public Administration and Bureaucratic Politics (3)                                                                                                              |
| PolS 3750 | Public Policy Analysis (3)                                                                                                                                       |
| PolS 3770 | Governmental Budgeting (3)                                                                                                                                       |
| PolS 4115 | Urban Politics (3)                                                                                                                                               |
| PolS 4130 | American Constitutional Law (3)                                                                                                                                  |
| PolS 4131 | Civil Liberties and Rights (3)                                                                                                                                   |
| PolS 4157 | Politics of the Civil Rights Movement (3)                                                                                                                        |
| PolS 4180 | American Chief Executives (3)                                                                                                                                    |
| PolS 4420 | International Law (3)                                                                                                                                            |
| PolS 4425 | Politics of International Criminal Justice (3)                                                                                                                   |
| PolS 4427 | Politics of International Human Rights (3)                                                                                                                       |
| PolS 4570 | American Political Thought (3)                                                                                                                                   |
| PolS 4780 | Administrative Law and Government (3)                                                                                                                            |
| PolS 4950 | Practicum in Political Science (3)                                                                                                                               |
| RelS 4670 | Church and State (3)                                                                                                                                             |
| Soci 3220 | Activism, Protest, and Revolution (3)                                                                                                                            |
| Soci 3222 | Deviant Behavior (3)                                                                                                                                             |
| Soci 3224 | Crime and Punishment (3)                                                                                                                                         |
| Soci 4218 | Power and Politics (3)                                                                                                                                           |
| Soci 4314 | Complex Social Institutions (3)                                                                                                                                  |
| Soci 4366 | Law and Society (3)                                                                                                                                              |

Other law-related 3000 level or 4000-level courses (in any College) approved **in advance** by the Philosophy Pre-Law Advisor. No courses will be approved after a student has enrolled in the course.

#### **Area H: Minor and Additional Courses**

1. Students majoring in philosophy with a pre-law concentration are not required to take a minor.
2. The department strongly recommends that philosophy majors with a pre-law concentration take the fourth semester of a foreign language as an elective course.



## Minor in Philosophy

Students who wish to minor in Philosophy must take at least 15 hours in courses in the specific area, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in the specific area may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## Minor in Ethics (see section 3250)

# 3450 Physics

## Programs Offered:

### Bachelor of Science in Physics

#### Standard Program in Physics

#### Concentration in Applied Physics

#### Concentration in Astronomy

#### Concentration in Biophysics

#### Concentration in Computer Science

#### Concentration in Geology

#### Concentration in Pre-Medicine

### Minor in Physics

Department of Physics and Astronomy

400 Science Annex

404/651-2279

<http://www.Phy-Astr.gsu.edu>

H. Richard Miller, Chair

David Wingert, Undergraduate Director

Brian Thoms, Undergraduate Director

All degree programs described below are built on a core of 22 semester hours of physics numbered 3400 or above and establish a strong background in mathematics by providing nine semester hours of 3000 and 4000-level courses. The standard program is designed to prepare the student for graduate school or immediate employment upon graduation. Students selecting the standard program must complete 15 semester hours of physics and mathematics beyond the core set of physics and mathematics courses listed below. As an alternative to the standard program, courses in one of several specific areas of concentration may be chosen as described below. The available areas of concentration are applied physics, astronomy, pre-medicine, biophysics, geology, and computer science.

A central objective of Georgia State University is that all graduates from its programs will be proficient in writing, critical and analytical thinking, and use of information resources. In support of this objective, the Department of Physics and Astronomy explicitly incorporates activities to develop these skills as appropriate in each course.

To schedule an effective program of study, it is very important that all students intending to major in physics consult with the physics faculty adviser as soon as possible. Physics majors should pay special attention to the early completion of the mathematical requirements if they are to complete their physics requirements during the usual four-year span. The first calculus course should be taken during the freshman year, and the second and third calculus courses should be completed during the sophomore year. The department recommends that General Chemistry I and II be taken during the freshman year. The beginning physics sequence (Physics 2211K-2212K) should be completed before the end of the sophomore year. Students who enter the physics major after completing a non-calculus level elementary physics sequence should consult with their departmental adviser on the best method of preparing for more advanced courses in physics.

The degree programs described below do not require a foreign language. However, the department recommends that students continue their high school experience to a level of competency equivalent to Georgia State's 1002 level or higher.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

**B.S. in Physics****Areas A-E: Core Curriculum Recommendations**

1. Required course:  
Math 1113      Precalculus (3) (or a higher-level mathematics course)
2. Required course:  
Math 2211      Calculus of One Variable I (4) (or a higher-level mathematics course)
3. Recommended courses:  
Chem 1211K      General Chemistry I (4)  
Chem 1212K      General Chemistry II (4)

**Area F: Courses Appropriate to the Major (18)\***

1. Required Courses (18) (Unless used to satisfy Area D requirements)  
Phys 2211K      Principles of Physics I (4)  
Phys 2212K      Principles of Physics II (4)  
Chem 1211K      General Chemistry I (4)  
Chem 1212K      General Chemistry II (4)  
Math 2212      Calculus of One Variable II (4)
2. Math 2215      Multivariate Calculus (4)\*
3. To complete 18 semester hours in Area F, select additional courses from the following list that were not used to satisfy the Area A or D requirements.\*  
Biol 1103K      Introductory Biology I (4)  
Biol 1104K      Introductory Biology II (4)  
Biol 2107K      Principles of Biology I (4)  
Biol 2108K      Principles of Biology II (4)  
CSc 2310      Principles of Computer Programming I (3)  
CSc 2311      Principles of Computer Programming II (3)  
Geol 1121K      Introductory Geosciences I (4)  
Geol 1122K      Introductory Geosciences II (4)

**\*Required Lower Division Courses**

All students majoring in physics must complete the following set of courses: Phys 2211K, 2212K, Chem 1211K, 1212K, Math 2212, and 2215. Any semester hours exceeding 18 earned to complete the lower division and Area F requirements will count toward elective hours.

**Area G: Major Courses**

A grade of C or higher is required in all major courses. The Department of Physics and Astronomy offers several concentrations within the B.S. degree program for the physics major. The standard program is recommended for those who plan to pursue graduate study in physics, or who plan to seek immediate employment upon graduation. Other options include concentrations in applied physics, astronomy, pre-medicine, biophysics, geology, and computer science. Course requirements listed below for each of the options are in addition to the courses listed under Area F and the required lower division courses listed above. The standard program and all concentrations are centered on the 22-hour core of physics courses and the nine-hour core of mathematics courses listed below.

**Physics Core (22)**

1. Physics Requirements (21)  
Phys 3401      Modern Physics I (4)  
Phys 3402      Modern Physics II (3)  
Phys 3850      Statistical and Thermal Physics (3)  
Phys 3901      Modern Physics Laboratory I (1)  
Phys 3902      Modern Physics Laboratory II (1)  
Phys 4600      Classical Mechanics (4)  
Phys 4700      Electricity and Magnetism (4)  
Phys 4950      Senior Research (1)
2. Select one physics or astronomy laboratory course at the 4000 level. (1)

**Mathematics Core (9)****Mathematics Requirements (9)**

Math 3260      Differential Equations (3)

|           |                                    |
|-----------|------------------------------------|
| Math 4258 | Vector Calculus (3)                |
| Math 4265 | Partial Differential Equations (3) |

### Standard Program in Physics (15)

To meet the requirements for the degree with the standard program, the core set of physics and mathematics courses must be completed along with additional physics and mathematics courses as described below:

1. Required course (1)  
One physics laboratory course at the 4000 level (1)
2. Physics and Astronomy Courses. Select eleven hours from the following (11):

|           |                                                  |
|-----------|--------------------------------------------------|
| Phys 3500 | Electronics (3)                                  |
| Phys 3800 | Optics (3)                                       |
| Phys 4110 | Introduction to Embedded Systems Laboratory (4)  |
| Phys 4410 | Introduction to Nuclear and Particle Physics (3) |
| Phys 4810 | Introduction to Quantum Mechanics (3)            |
| Phys 4910 | Solid State Physics (3)                          |
| Phys 4950 | Senior Research (1-2)                            |
| Astr 3500 | Fundamentals of Astronomy and Astrophysics (4)   |
| Astr 4000 | Fundamentals of Astrophysics (3)                 |
| Astr 4100 | Astronomical Techniques and Instrumentation (3)  |

One physics or astronomy laboratory course at the 4000 level (1)
3. Mathematics and Computer Science Courses: Select one course. (3)

|           |                                                                |
|-----------|----------------------------------------------------------------|
| CSc 4610  | Numerical Analysis I (3)                                       |
| Math 3435 | Introductory Linear Algebra (3)                                |
| Math 4250 | Complex Analysis (3)                                           |
| Math 4391 | Introduction to Differential Geometry and Its Applications (3) |

### Applied Physics Concentration (18)

In addition to the core courses in physics and mathematics, the applied physics concentration allows courses from other sciences and engineering to complete the program in physics-related areas. Engineering courses are available through cross registration at the Georgia Institute of Technology. At least 15 semester hours must be completed at the 3000 level or above, and at least nine semester hours must be selected from science and/or engineering courses offered by other departments.

***The overall program must be developed in consultation with a faculty adviser within the Department of Physics and Astronomy.***

### Astronomy Concentration (16)

In addition to the core set of physics and mathematics courses, the astronomy concentration consists of 11 semester hours in astronomy courses (Astr 3500, 4000, 4010, and 4100), and others from the list below, to complete the requirements for the degree. (Although not a requirement, the department recommends that students take Astr 1010 and/or Astr 1020 before the junior year.)

1. Required courses (11)

|           |                                                 |
|-----------|-------------------------------------------------|
| Astr 3500 | Fundamentals of Astronomy and Astrophysics (4)  |
| Astr 4000 | Fundamentals of Astrophysics (3)                |
| Astr 4010 | Astronomical Methods Laboratory (1)             |
| Astr 4100 | Astronomical Techniques and Instrumentation (3) |
2. Physics, Mathematics, and Computer Science Courses. Select five hours from the following: (5)

|           |                                                  |
|-----------|--------------------------------------------------|
| Phys 3500 | Electronics (3)                                  |
| Phys 3800 | Optics (3)                                       |
| Phys 4110 | Introduction to Embedded Systems Laboratory (4)  |
| Phys 4410 | Introduction to Nuclear and Particle Physics (3) |
| Phys 4810 | Introduction to Quantum Mechanics (3)            |
| Phys 4910 | Solid State Physics (3)                          |
| Phys 4950 | Senior Research (1-2)                            |

One physics or astronomy laboratory course at the 4000 level (1)

|           |                                                                |
|-----------|----------------------------------------------------------------|
| CSc 4610  | Numerical Analysis I (3)                                       |
| Math 3435 | Introductory Linear Algebra (3)                                |
| Math 4250 | Complex Analysis (3)                                           |
| Math 4391 | Introduction to Differential Geometry and Its Applications (3) |

**Pre-Medicine Concentration (19)**

In addition to the core set of physics and mathematics courses, the pre-medicine concentration allows courses from biology and chemistry to complete the requirements for the degree. The concentration also provides the set of physics, chemistry, and biology courses required for admission to most medical schools. Note that Biol 2107K and 2108K are prerequisites for Biol 3800 and other upper-division biology courses.

1. Required Chemistry courses (12)
  - Chem 2400      Organic Chemistry I (4)
  - Chem 3410      Organic Chemistry II (4)
  - Chem 3100      Organic Chemistry Laboratory I (2)
  - Chem 3110      Organic Chemistry Laboratory II (2)
2. Required Biology courses. Select one of the following (3):
  - Biol 3240      Human Physiology (3)
  - Biol 3800      Molecular Cell Biology (3)
3. Electives. Select four hours from the following (4):
  - Biol 3240      Human Physiology (3) (unless used above)
  - Biol 3250      Human Physiology Laboratory (1)
  - Biol 3800      Molecular Cell Biology (3) (unless used above)
  - Biol 3810      Molecular Cell Biology Laboratory (2)
  - Biol 3880      Microbiology (3)
  - Biol 3890      Microbiology Laboratory (1)
  - Biol 3900      Genetics (3)
  - Biol 3910      Genetics Laboratory (1)
  - Chem 4600      Biochemistry I (5)

**Biophysics Concentration (16)**

In addition to the core set of physics and mathematics courses, the biophysics concentration allows biology and chemistry courses to complete the requirements for the degree. The courses should be chosen from the list below and provide background in several areas including biochemical, biomolecular, and neural sciences. This concentration provides excellent preparation for advanced study in biological physics and for admission to M.D./Ph.D. programs. Note that Biol 2107K and 2108K are prerequisites for Biol 3800 and other upper-division biology courses.

1. Required courses (7)
  - Biol 3800      Molecular Cell Biology (3)
  - Chem 2400      Organic Chemistry I (4)
2. Select nine hours from the following: (Chem 3410, Organic Chemistry II, is a prerequisite for many other courses listed.) (9)
  - Chem 3100      Organic Chemistry Laboratory I (2)
  - Chem 3110      Organic Chemistry Laboratory II (2)
  - Chem 3410      Organic Chemistry II (4)
  - Chem 4000      Fundamentals of Chemical Analysis (3)
  - Chem 4110      Physical Chemistry I (3)
  - Chem 4600      Biochemistry I (5)
  - Chem 4620      Biochemistry Laboratory I (2)
  - Chem 4840      Bioenergetics (3)
  - Biol 3810      Molecular Cell Biology Laboratory (2)
  - Biol 3840      Animal Biology (3)
  - Biol 3850      Animal Biology Laboratory (1)
  - Biol 3880      Microbiology (3)
  - Biol 3890      Microbiology Laboratory (1)
  - Biol 3900      Genetics (3)
  - Biol 3910      Genetics Laboratory (1)
  - Biol 4102      Fundamentals of Neurobiology (4)
  - Biol 4180      Neurobiology Laboratory (4)
  - Phys 3500      Electronics (3)

**Geology Concentration (16)**

In addition to the core set of physics and mathematics courses, this concentration allows geology courses to complete the requirements for the degree. The courses should be chosen from the list below. Note that Geol 1121K and 1122K are prerequisites for upper-division geology courses.

1. Required courses (4)  
Geol 3002 Introduction to Earth Minerals (4)
2. Electives: Select 12 hours from the following (or other approved 3000-4000 geology courses) (12)  
Geol 4007 Hydrogeology (4)  
Geol 4013 Structural Geology (4)  
Geol 4015 Crystallography and Optical Mineralogy (4)  
Geol 4017 Environmental Geology (4)

### **Computer Science Concentration (16-17)**

In addition to the core set of physics and mathematics courses, this option allows courses in computer science and related areas to complete the requirements for the degree. The courses should be chosen from the list below. Note that CSc 2310 and 2311 are prerequisites for upper-division computer science courses.

1. Required courses (13)  
Phys 3500 Electronics (3)  
CSc 3410 Data Structures (3)  
CSc 4610 Numerical Analysis I (3)  
CSc 4730 Scientific Visualization (4)
2. Select one course from the following: (3-4)  
CSc 3210 Computer Organization and Programming (3)  
CSc 4210 Computer Architecture (4)  
CSc 4230 VLSI Design (4)  
CSc 4250 VLSI CAD and Computer Architecture Laboratory (4)  
CSc 4310 Parallel and Distributed Computing (4)  
CSc 4620 Numerical Analysis II (3)  
CSc 4820 Computer Graphics Algorithms (4)  
Math 3030 Mathematical Models for Computer Science (3)  
Math 3435 Introductory Linear Algebra (3)  
Phys 4110 Introduction to Embedded Systems Laboratory (4)

### **Area H: Minor and/or Additional Courses**

1. Students earning a B.S. through the Department of Physics and Astronomy are not required to take a minor.
2. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education, health, or military science courses. Although not a requirement, the department recommends that physics majors take these elective courses at the 2000 level or above in mathematics, computer science, chemistry, biology, geology, physics, or astronomy. (Consult with the departmental academic adviser.)

### **Minor in Physics**

Students who wish to minor in physics must take at least 15 semester hours in physics and/or astronomy courses, including at least seven semester hours at the 3000 level or above. Students taking more than 15 semester hours in these courses may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

## **3460 Political Science**

### **Programs Offered:**

**Bachelor of Arts in Political Science**

**Concentration in General Political Science**

**Concentration in International Affairs**

**Concentration in Pre-Law**

**Concentration in Pre-Education**

**European Union Studies Certificate**

**Minor in Political Science**

Department of Political Science  
 1005 General Classroom Building  
 404/651-3152  
<http://www.gsu.edu/~wwwpol>  
 William M. Downs, Chair

Political science is the study of “who gets what, when, and how” in the distribution of goods and values in society and in groups. Specifically, political scientists study the determinants of such distributions, including political parties and voters, public opinion, interest groups, bureaucracies and administrative behavior, public law, international relations, international law and organizations, national security, intergovernmental relations, political behavior, political philosophy, comparative politics, public policy, and conflict.

Students may specialize in any of the five fields of the discipline: American politics and government, comparative politics, international politics, political theory, and public policy and administration. The department also provides specific concentrations for majors and minors in pre-law and in international affairs. The department sponsors intercollegiate academic teams for Mock Trial, Model United Nations, and Model Arab League. The department sponsors student honor societies and clubs in pre-law, international relations, and political science. In addition, the department provides advisement for pre-law students.

The proximity of Georgia State University to the center of government for the Southeast and the State of Georgia and its location in an international city of business, communication, and transportation provide unique opportunities for students to observe and participate in government and politics. For example, many qualified students serve as interns as part of their academic program.

### **Program Academic Regulations**

Internship and Practicum Credit: Applicants for internships must meet departmental prerequisites. Internship and practicum credit may not be applied toward the major or minor, but may be used as elective credit. Such credit includes: PolS 4930, PolS 4940, PolS 4950, PolS 4951, PolS 4952, and PolS 4955.

### **Program Degree Requirements**

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### **B.A. in Political Science**

#### **Area F: Courses Appropriate to the Major (18)**

1. Required courses (6)
  - PolS 2401            Global Issues (3) (if not taken in Area E)
  - Lang 1002           Elementary Foreign Language II (3)
 (See “Foreign Language Requirement for B.A. and B.I.S. Majors,” previously described.)
2. Select two courses. (6)
  - Econ 2105           Principles of Macroeconomics (3)
  - Econ 2106           Principles of Microeconomics (3)
  - Soci 1101            Introductory Sociology (3)
3. Select additional courses from the following to complete 18 hours in Area F. (6)
  - AAS 2010, Anth 2020, Econ 2105, Econ 2106, Engl 2150, Lang 2001, Lang 2002, Geog 1101, Geog 2202, Hist 1111, Hist 1112, Hist 2110, Jour 1000, Jour 2500, Math 1070, Math 1113, Math 1220, Math 2211, Phil 1010\* (\*note: only 2-credit hours), Phil 2010, PolS 2101, Psyc 1101, Soci 1101, Soci 1160, WSt 2010.

#### **Area G: Major Courses (27)**

A grade of C or higher is required in all major courses.

#### **General Political Science Concentration (27)**

1. PolS 3800           Introduction to Political Research (3)
2. Take 24 hours in political science at 3000 level or above. One course must be taken in at least three of five areas of study; these areas include American government and politics (3100's and 4100's), comparative politics (3200's and 4200's), international politics (3400's and 4400's), political theory (3500's and 4500's), and public policy and administration (3700's and 4700's). (24)

#### **International Affairs Concentration (27)**

1. International Affairs Requirements (9)



- PolS 3200 Comparative Politics (3)
- PolS 3400 International Politics (3)
- PolS 3800 Introduction to Political Research (3)
- 2. Select 15 hours at the 3000 level or above in comparative politics and international politics. (15)
- 3. Select 3 hours at the 3000 level or above in American politics, public policy and administration, or political theory. (3)

**Pre-Law Concentration (27)**

- 1. Pre-Law Requirements (9)
  - PolS 3140 Judicial Process and Courts (3)
  - PolS 4130 American Constitutional Law (3)
  - PolS 4131 Civil Liberties and Rights (3)
- 2. PolS 3800 Introduction to Political Research (3)
- 3. Select 3 courses. (9)
  - PolS 3110 State Government (3)
  - PolS 3145 Introduction to American Law (3)
  - PolS 3170 American Legislative Process (3)
  - PolS 3700 Public Administration and Bureaucratic Politics (3)
  - PolS 3750 Public Policy Analysis (3)
  - PolS 3770 Governmental Budgeting (3)
  - PolS 4115 Urban Politics (3)
  - PolS 4157 Politics of the Civil Rights Movement (3)
  - PolS 4180 American Chief Executives (3)
  - PolS 4220 Comparative Legal Systems and Politics (3)
  - PolS 4420 International Law (3)
  - PolS 4425 Politics of International Criminal Justice (3)
  - PolS 4427 Politics of International Human Rights (3)
  - PolS 4570 American Political Thought (3)
  - PolS 4780 Administrative Law and Government (3)
- 4. Select six additional hours in political science. (6)
- 5. Of the courses taken, students must have one course in three of the five areas of the discipline.
- 6. PolS 4950 is recommended as an elective.

**Pre-Education Concentration and Certificate in Pre-Education Broad Field Social Science**

The Department of Political Science offers a pre-education concentration for majors planning to teach on the middle school or high school level. Students take courses chosen so as to provide the substantive knowledge needed to teach political and social science. Through completion of this concentration and allied field concentrations, students earn the Certificate in Pre-Education Broad Field Social Science. Graduates may then seek entrance into the alternative master of education program in social studies in the College of Education at Georgia State to gain state certification or into a comparable program at another institution. For admission requirements of the alternative M.Ed. Program in social studies education, see the College of Education.

**Requirements of Pre-Education Concentration for Political Science Majors (27)**

- 1. PolS 3800 Introduction to Political Research (3)
- 2. Select one course:
  - PolS 4130 American Constitutional Law (3)
  - PolS 4131 Civil Liberties and Rights (3)
- 3. Select one course:
  - PolS 3110 State Government (3)
  - PolS 3170 American Legislative Process (3)
  - PolS 4115 Urban Politics (3)
  - PolS 4180 American Chief Executives (3)
- 4. Select one course:
  - PolS 3200 Comparative Politics (3)
  - PolS 3400 International Politics (3)
- 5. Select 15 additional hours in political science.
- 6. Of the courses taken, students must have one course in three of the five areas of the discipline.

**Requirements of Allied Field Concentrations**

To earn the Certificate in Pre-Education Broad Field Social Science, students must also take allied field concentrations (nine hours) from three of the following disciplines: economics, geography, history, or behavioral science (nine hours from anthropology, psychology, or sociology). Note the student must take a total of 27 hours with nine hours in each of the three disciplines. The student should see each department's list for the courses to be taken in the nine hours for that discipline. If students choose to take an allied field in one of the three departments listed above under behavioral science, then they should not take an allied field in one of the other departments in that grouping. Students should consult with their departmental advisers in making choices.

#### **Area H: Minor and/or Additional Courses**

1. Students majoring in political science who take either the general political science concentration or the international affairs concentration are not required to take a minor. Students in the pre-law concentration should see the department's pre-law adviser for further information. Students in the pre-education concentration take allied fields rather than a minor.
2. Additional courses not in the major or in a minor must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses.

#### **Allied Field Concentration in Political Science for Pre-Education Majors in Other Social Science Departments (9)**

Students majoring in other social sciences and who seek the Certificate in Broad Field Social Science Education should choose from the following courses in using political science as an allied field to their major.

1. Select one course
  - PolS 4130 American Constitutional Law (3)
  - PolS 4131 Civil Liberties and Rights (3)
2. Select one course
  - PolS 3110 State Government (3)
  - PolS 3170 American Legislative Process (3)
  - PolS 4115 Urban Politics (3)
  - PolS 4180 American Chief Executives (3)
3. Select one course
  - PolS 3200 Comparative Politics (3)
  - PolS 3400 International Politics (3)

#### **European Union Studies Certificate**

The department provides courses and advising in regard to the European Union Studies Certificate offered by the University System of Georgia. This program enables students to develop expertise in the European Unions and in EU studies. Dr. William Downs of the department serves as campus representative. See Section 8020 of the "Additional University Programs" chapter for a detailed description.

#### **Minor in Political Science**

Students wishing to minor in political science should take 15 semester hours of political science courses at the 3000 level or above. Students seeking to take a minor in political science/pre-law should take PolS 3140, 4130, 4131, and two courses from PolS 3110, 3145, 3170, 3700, 3750, 3770, 4115, 4157, 4180, 4220, 4420, 4425, 4427, 4570, and 4780. Students seeking to take a minor in political science/international affairs should take PolS 2401 (if not taken in Area E), 3200, 3400, and nine additional hours at the 3000 level or above in comparative or international politics.

#### **Exchange Programs**

The department has an exchange program with the University of Lincoln in England. Students spend one semester in residence, and classes are treated on a cross-registration basis.

The department also offers undergraduate exchange programs with Ewha Women's University and Hanyang University in Seoul, Korea. Students spend up to one academic year in residence in one of the two universities with credit given for classes on a cross-registration basis.

#### **Master's Degrees in International Business and Government**

In conjunction with the Institute of International Business, the department offers joint master's degrees in international business and government. Students wishing to enter this graduate program should take prerequisites as an undergraduate. Students should contact the department for further information.

## 3470 Pre-Law Programs

The College of Arts and Sciences offers four different pre-law preparatory programs:

**Bachelor of Interdisciplinary Studies in Law and Society (Section 3390)**

**Bachelor of Arts in Philosophy with a Pre-Law Concentration (Section 3440)**

**Bachelor of Arts in Political Science with a Pre-Law Concentration (Section 3460)**

**Minor in Political Science/Pre-Law (Section 3460)**

Students interested in a career in law are encouraged to consult these sections of this catalog.

## 3480 Pre-Medical Programs

The College of Arts and Sciences offers three different pre-medical programs:

**Bachelor of Science in Biology with a Pre-Professional/Physiology Concentration (Section 3170)**

**Bachelor of Science in Chemistry with a Pre-Medicine Concentration (Section 3180)**

**Bachelor of Science in Physics with a Pre-Medicine Concentration (Section 3450)**

**Bachelor of Science in Psychology with a Pre-Medicine Concentration (Section 3490)**

Students interested in a career in medicine are encouraged to consult these sections of this catalog.

Faculty from these departments compose the Premedical Professions Advisory Committee and advise pre-med students. This committee maintains contact with medical schools concerning specific requirements and selection criteria and helps students design specific programs of study for dentistry, medicine, optometry, osteopathic medicine, pharmacy, podiatry, or veterinary medicine. While most premedical students major in biology, chemistry or physics, requirements for admission to medical or dental schools may be met by other majors, provided the requisite science courses are completed.

A student interested in one of these preparatory medical programs should contact the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. This office serves as a liaison to the Premedical Professions Advisory Committee and maintains pertinent information such as entrance exam applications and other appropriate materials.

## 3490 Psychology

### Programs Offered:

**Bachelor of Arts in Psychology**

**General Program in Psychology**

**Concentration in Community Psychology**

**Concentration in Pre-Education**

**Bachelor of Science in Psychology**

**General Program in Psychology**

**Concentration in Community Psychology**

**Concentration in Pre-Medicine**

**Minor in Psychology**

Department of Psychology

11th floor, Urban Life Building

404/651-2283

<http://www.gsu.edu/psychology>

David A. Washburn, Chair

Lisa Armistead, Associate Chair

Sarah L. Cook, Director of Undergraduate Studies

Psychology is the science of the behavior of humans and animals. The topics of investigation range from the life sciences to the social sciences, and applications occur in clinical, industrial, community, and other social contexts. Psychological knowledge contributes to the understanding of experience and behavior and to the formation of optimal personal relations.

A career in psychology usually requires a graduate degree. An undergraduate major in psychology can serve as a prerequisite for graduate study in psychology or as background for other careers, e.g., business, law, medical or allied health sciences, and teaching. A major in psychology also can serve the general interest of liberal arts education. The department maintains

reference materials, including videotapes and an Internet website to assist in career advisement. Students wishing to be psychology majors must first be advised by Academic Assistance of the College of Arts and Sciences and then by the psychology undergraduate adviser.

### Program Academic Regulations

Before taking upper-division courses, students must have completed 60 hours or have the permission of the instructor.

All majors must complete the courses in Areas 1, 2, and 3, as specified below. Concentrations have more specific requirements (for more details see the concentration requirements that are listed after the area requirements). Majors who meet the requirements in Areas 1, 2, and 3 and do not choose to pursue a concentration will graduate in the general program.

#### B.A. Degree

Students must take a foreign language and six additional hours from courses in Area E. (See “Foreign Language Requirement for B.A. and B.I.S. Majors,” previously described.)

#### B.S. Degree

Students must take nine semester hours from the courses listed below. We strongly recommend a two-course lab sequence in Principles of Biology, Introduction to Chemistry, or Introduction to Physics.

Anth 2020, Biol 1103K, Biol 1104K, Biol 1110, Biol 1120, Biol 2107K, Biol 2108K, Biol 2240, Biol 2250, Chem 1211K, Chem 1212K, Math 1111, Math 1113, Math 1220, Math 2211, Math 2212, Math 2215, Math 2420, Phil 2010, Phys 1111K, Phys 1112K, Phys 2211K, Phys 2212K, Soci 1101

### Program Degree Requirements

The Department of Psychology offers a general program in psychology plus concentration in specific areas of psychology. The general program offers the most choice in courses for a degree in psychology. Concentrations have more restrictive curricula than the general program and are intended to prepare students for a more specific career path. Most students will be in the general program. Students planning graduate school or other advanced training in an area related to one of the concentrations should consider applying for admission to that concentration.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### B.A. in Psychology and B.S. in Psychology

#### Areas A-E: Core Curriculum Recommendations

1. Recommended course:  
Psyc 1100      Natural Science Aspects of Psychology (3)

#### Area F: Courses Appropriate to the Major (18)

1. Psyc 1101      Introduction to General Psychology (3) (take here rather than in Area E)
2. Select two courses. (6)  
Psyc 2040      Introduction to Applied Psychology (3)  
Psyc 2050      Introduction to Drugs and Behavior (3)  
Psyc 2070      Introduction to Human Sexuality (3)  
Psyc 2101      Introduction to the Psychology of Adjustment: A Personal Growth Course (3)  
Psyc 2103      Introduction to Human Development: Individual and Family Issues (3)
3. Non-Psychology courses (9)

#### Area G: Major Courses (32)

#### General Program in Psychology (32)

##### Area 1: Basic Requirements (11)

Area 1 courses must be completed by the end of the junior year (90 hours). Students with 90 hours who have not completed all Area 1 courses may not register for any psychology courses other than those in Area 1. To insure that this requirement is met, students should take Psyc 3010 (a prerequisite for Psyc 3030) during the first semester of the junior year. Failure to complete these courses in a timely manner may delay graduation.

##### Required Courses:

- |           |                                                                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Psyc 3010 | Psychological Statistics (4)                                                                                                                         |
| Psyc 3030 | Principles and Methods of Psychological Investigation (4) (This course has a laboratory and is the Psychology Writing Across the Curriculum course.) |
| Psyc 3110 | Psychology of Interpersonal Behavior (3)                                                                                                             |

**Area 2: Advanced Core (9)**

Take one course from each group and one additional course from either group for a total of three courses.

**Group A:**

|           |                              |
|-----------|------------------------------|
| Psyc 3140 | Abnormal Psychology (3)      |
| Psyc 4020 | Social Psychology (3)        |
| Psyc 4040 | Developmental Psychology (3) |
| Psyc 4160 | Theories of Personality (3)  |
| Psyc 4510 | Community Psychology (3)     |

**Group B:**

|           |                              |
|-----------|------------------------------|
| Psyc 4100 | Cognitive Psychology (3)     |
| Psyc 4110 | Physiological Psychology (3) |
| Psyc 4120 | Learning (3)                 |
| Psyc 4130 | Sensation and Perception (3) |

**Area 3: Psychology Program (12)**

Select 12 hours in psychology courses at the 3000 level or above.

**Concentrations**

Psychology majors wishing to graduate in a concentration must be accepted into the concentration and meet the requirements for graduation listed below. They also must meet all general program requirements listed above.

Students must complete all lower-division requirements prior to being admitted to a concentration. Application for a concentration may be made during the semester when the lower-division requirements will be completed or a later semester. Students completing a concentration will receive a certificate and will have an appropriate annotation placed on their transcript.

**Community Psychology Concentration (32)**

Community Psychology is an area of psychology that aims to apply psychology toward improving the well being of human groups. An ecological perspective, a prevention orientation, and an appreciation of diversity characterize this area. Often community psychology takes the form of “action research” in which knowledge gained from basic research or psychological theory is applied in real-world settings. At other times it takes the form of relatively more basic research on social problems or community functioning. The concentration is most appropriate for students who want to apply psychology theories and methods to solving social and environmental problems, such as drug abuse, homelessness, and violence. The curriculum should prepare graduates either to pursue graduate education in community psychology or to work in community-based organizations.

**Area 1: Basic Requirements**

(See “General Program in Psychology,” Area 1, described above.)

**Area 2: Advanced Core (9)****1. Required Courses (6)**

|           |                          |
|-----------|--------------------------|
| Psyc 4020 | Social Psychology (3),   |
| Psyc 4510 | Community Psychology (3) |

**2. Select one course. (3)**

|           |                              |
|-----------|------------------------------|
| Psyc 4100 | Cognitive Psychology (3)     |
| Psyc 4110 | Physiological Psychology (3) |
| Psyc 4120 | Learning (3)                 |
| Psyc 4130 | Sensation and Perception (3) |

**Area 3: Psychology Program (12)****1. Select one course. (3)**

|           |                              |
|-----------|------------------------------|
| Psyc 4240 | People in Organizations (3)  |
| Psyc 4520 | Environmental Psychology (3) |

**2. Select one course. (3)**

|           |                                                 |
|-----------|-------------------------------------------------|
| Psyc 3520 | Introduction to African-American Psychology (3) |
| Psyc 4620 | Psychology of Women (3)                         |

**3. Psyc 4770 Practicum in Psychology (1-3)****4. Select one additional psychology course at the 3000 level or above. (3)****Pre-Education Track in Psychology**

The Social Studies Education Concentration in Psychology is designed for students who wish to become secondary school teachers. This degree provides the initial content area preparation for the Alternative M.Ed. Program in Social Studies Education in the College of Education at Georgia State University or a similar master's degree at another university. Contact the department for additional information.

### **Pre-Medicine Concentration**

Students interested in attending medical school are advised to consider the pre-medicine concentration. Those wishing to pursue this concentration should be aware that the requirements will differ from those listed in the regular psychology curriculum. The Department of Psychology has a pre-medicine adviser. For more information on the pre-medicine curriculum contact the Office of Academic Assistance, College of Arts and Sciences, Room 724, General Classroom Building, 404/651-2291.

### **Area H: Minor and Additional Courses**

Students majoring in psychology are not required to take a minor.

### **Minor in Psychology**

Students who wish to minor in psychology must take 15 hours in courses in psychology including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in psychology may count the additional hours toward their electives or may consider completing a double major. (A grade of C or higher is required in all courses counting toward the minor.)

### **Honors Program and Psi Chi**

The department participates in the Honors Program (See "Honors Program," described previously) and sponsors a chapter of Psi Chi, the national honor society in psychology. Qualified students are encouraged to participate in these programs. The diplomas of students who complete the University Honors Program indicate that they graduate with honors in psychology.

### **Graduation with Distinction in Psychology**

Departmental distinction is separate from the Honors Program. Majors who have an overall average of at least 3.5 and have demonstrating outstanding research, leadership, or service to the department may be nominated by faculty members for graduation with distinction. More information about graduation with distinction is available in the department.

## **3500 Religious Studies**

### **Programs Offered:**

**Bachelor of Arts in Religious Studies**

**Minor in Religious Studies**

Department of Religious Studies

34 Peachtree Street, 11th floor

404/651-2277

<http://www.gsu.edu/religion>

Timothy Renick, Chair

Jonathan Herman, Director of Undergraduate Studies

Offerings in religious studies, all of which are taught from a non-sectarian perspective, include comparative courses on such topics as world religions, religious thought, religious ethics, mysticism, and women and religion, as well as a host of courses on specific religious traditions including Buddhism, Hinduism, Shinto, Taoism, Confucianism, Judaism, Christianity, and Islam. Students majoring in religious studies have the opportunity to take and have counted toward their major select courses in other departments and programs in the College of Arts and Sciences including African American studies, anthropology, art history, classics, history, music, political science, and sociology. Courses in religious studies contribute to a student's understanding of the beliefs and actions of diverse peoples and cultures. They also contribute to the student's self understanding through uncovering and exploring major tenets of his or her own culture. The major in religious studies is designed to provide a rich training in the liberal arts and is particularly appropriate for those students considering careers in government, health, law, education, international business, social work, the ministry, or media. Students in other fields are encouraged to consider the possibility of a double major with religious studies. Students can find a more detailed description of the Religious Studies Program and its offerings, as well as news about its faculty and upcoming events, on the Web at <http://www.gsu.edu/religion>.



## Program Admission

All undergraduates in good academic standing are eligible for the major and minor in religious studies.

## Program Academic Regulations

Only courses in which students earn a C or higher may be applied to the major and minor in religious studies.

## Program Degree Requirements

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.A. in Religious Studies

### Area F: Courses Appropriate to the Major (18)

1. Required Courses (6)  
Phil 2010            Great Questions of Philosophy (3)  
Lang 1002           Elementary Foreign Language II (3)
2. Recommended Courses (6)  
Lang 2001           Intermediate Foreign Language I (3)  
Lang 2002           Intermediate Foreign Language II (3)
3. Select additional 1000 and 2000-level courses from core curriculum Areas C, D, or E to complete the 18 hours required in Area F. (6-12)

The Department recommends, but does not require, that Religious Studies majors complete the foreign language sequence Lang 1002, 2001, and 2002. (See “Foreign Language Requirement for B.A. and B.I.S. Majors,” previously described.)

### Area G: Major Courses (24)

A grade of C or higher is required in all major courses.

To satisfy the requirements for the B.A. degree with a major in religious studies, a student must take a total of 24 semester hours, including the following distribution requirements:

1. Required Courses (6)  
RelS 3050           Introduction to Religion (3)  
RelS 3270           World Religions (3)
2. Electives (18)  
Students must take an additional 18 credit hours in RelS courses at the 3000 and 4000 level to complete the major. Of these 18 hours, up to six semester hours may be taken in the following upper-division courses taught outside the Department of Philosophy: AH 4020, AH 4200, Anth 4070, Clas 2202, Clas 2203, Hist 3510, Hist 3780, Mus 4300, PolS 4285, Soci 3228.

### Area H: Minor and Additional Courses

1. Students majoring in religious studies are not required to take a minor.
2. Additional courses not in the major must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses. The department strongly recommends that religious studies majors take the fourth semester of a foreign language as an elective course.

## Minor in Religious Studies

Students who wish to minor in religious studies must take at least 15 hours in courses with a RelS prefix, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in RelS courses may count the additional hours toward their electives or may consider completing a double major. (A grade of C or higher is required in all courses counting toward the minor.)

# 3510 Sociology

## Programs Offered:

### Bachelor of Arts in Sociology

General Program in Sociology

Concentration in Family

Concentration in Gender and Sexuality

Concentration in Gerontology

Concentration in Race and Urban Studies

## **Concentration in Pre-Education Minor in Sociology**

Department of Sociology  
1041 General Classroom Building  
404/651-2285  
<http://www.gsu.edu/sociology>  
Donald C. Reitzes, Chair  
Wendy Simonds, Undergraduate Director

Sociologists study power dynamics as they relate to family life, race, gender, class, sexuality, deviance, selfhood, social change, urbanization, aging, birth and death, and a host of applied topics. Students majoring in sociology explore the ways in which individual agency affects and is limited by social structures.

Students majoring in sociology may choose one of six programs of study. Majors can follow the general program in sociology, or they can select a concentration in family, race and urban studies, gender and sexuality, gerontology, or social studies education. Students completing concentrations are awarded a certificate in their area of concentration from either the Department of Sociology or the Gerontology Institute.

### **Program Academic Regulations**

A grade of C or higher is required in all courses counting toward the major.

### **Program Degree Requirements**

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### **B.A. in Sociology**

#### **Area F: Courses Appropriate to the Major (18)**

1. Required Courses (9)
  - Soci 1101            Introductory Sociology (3)
  - Soci 1160            Introduction to Social Problems (3)
  - Lang 1002           Elementary Foreign Language II (3)
 See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.
2. Select additional courses to complete the 18 hours in Area F from the following: AAS 2010, Anth 2020, CSc 2301, Econ 2105, Econ 2106, Geog 1101, Hist 1140, Hist 2110, Lang 2001, Lang 2002, Math 1070, Math 1111, Phil 2010, Phil 1010, PolS 2401

#### **Area G: Major Courses (27)**

Soci 1101 (Introductory Sociology) and Soci 1160 (Introduction to Social Problems) are required of all students who major in sociology. These six hours are in addition to the 27 upper-division hours in major courses. A grade of C or higher is required in all major courses.

#### **General Program in Sociology (27)**

1. Major Requirements (12)
  - Soci 3010            Social Statistics (3)
  - Soci 3020            Social Research Methods (3)
  - Soci 3030            Sociological Theory (3)
  - Soci 3201            Wealth, Power, and Inequality (3)**Note:** Students must take Soci 3010 and Soci 3020 in sequence, beginning with 3010, and may not take these courses during the same term.
2. Select an additional 15 hours in sociology courses at the 3000 level or above. (15)

### **Family Concentration (27)**

The family concentration provides students with a comprehensive educational and training curriculum in the study of the family. The concentration is appropriate for students who plan to pursue careers in public and private agencies concerned with the family and family problems. This concentration is also appropriate for students preparing for admission to graduate or professional programs in a variety of fields (e.g., sociology, social work, family studies, or health science). Students completing the concentration are awarded a certificate in family sociology by the Department of Sociology.

1. Major Requirements (12)  
Same as in section 1 of General Program in Sociology, described above
2. Family Core Course (3)  
Soci 3101 Families and Society (3)
3. Select one course from the following list. (3)  
Soci 3152 Birth and Parenthood (3)  
Soci 3162 African-American Family (3)  
Soci 4150 Sexual and Intimate Violence (3)
4. Select two courses from the list below or the list in section 3 above. (6)  
Soci 3110 Identity, Self, and Social Interaction (3)  
Soci 3156 Sexuality and Society (3)  
Soci 3212 Race and Ethnic Relations (3)  
Soci 3216 Gender and Society (3)  
Soci 3232 Poverty and Welfare (3)  
Soci 3346 Drug Use and Abuse (3)  
Soci 3352 Mental Illness in the United States (3)  
Soci 3356 Sexual Identity (3)  
Soci 4116 Aging and Society (3)  
Soci 4122 Death, Dying and Loss (3)  
Soci 4230 Sociology of Health and Illness (3)  
Soci 4310 Issues in the African-American Community (3)  
Soci 4315 Girls (3)  
Soci 4380 Educational Sociology (3)
5. Soci 4980 Internship (3-6)

### **Gender and Sexuality Concentration (27)**

This concentration provides students with a comprehensive educational and training curriculum in the study of gender and sexuality. It is appropriate for students who wish to pursue careers in public and private agencies dealing with issues such as domestic violence, sexual assault, legal equity and equal access issues, sexual health and education, and procreative issues. The concentration is also appropriate for students preparing for admission to graduate or professional programs in a variety of fields (e.g., sociology, social work, health sciences, family studies, or women's studies). Students completing the gender and sexuality concentration will be awarded a certificate by the Department of Sociology.

1. Major Requirements (12)  
Same as in section 1 of General Program in Sociology, described above
2. Gender and Sexuality Core Courses (6)  
Soci 3156 Sexuality and Sociology (3)  
Soci 3216 Gender and Society (3)
3. Select two courses from the list below. (6)  
Soci 3101 Families and Society (3)  
Soci 3110 Identity, Self, and Social Interaction (3)  
Soci 3152 Birth and Parenthood (3)  
Soci 3208 Work and Employment (3)  
Soci 3232 Poverty and Welfare (3)  
Soci 3340 Population Problems (3)  
Soci 3352 Mental Illness in the United States (3)  
Soci 3354 Sociology of Popular Culture (3)  
Soci 3356 Sexual Identity (3)  
Soci 4150 Sexual and Intimate Violence (3)  
Soci 4218 Power and Politics (3)  
Soci 4230 Sociology of Health and Illness (3)  
Soci 4311 African-American Male/Female Relationships (3)  
Soci 4312 African-American Women in the U.S. (3)  
Soci 4315 Girls (3)  
Soci 4366 Law and Society (3)
4. Soci 4980 Internship (3-6)

### **Gerontology Concentration (30)**

The gerontology concentration is designed to prepare students for admission to graduate and professional programs in a variety of fields that focus on issues of aging (e.g., sociology, social work, psychology, nursing, medicine, and public administration). The concentration also prepares students for careers and occupations that center around older persons (e.g., in senior centers, nursing homes, retirement residences, nutrition programs, and volunteer programs.) Completion of the concentration qualifies students for a certificate in gerontology. Students who wish to earn the certificate must apply to the program through the university's Gerontology Institute, 605 One Park Place, as soon as the concentration is selected.

1. Major Requirements (12)  
Same as in section 1 of General Program in Sociology, described above
2. Gerontology Requirements. (9)  
Gero 4200 Health and the Older Adult (3)  
Gero 4610 Psychology of Aging (3) (Prerequisite: Psyc 1101)  
Soci 4116 Aging and Society (3)
3. Select one course. (3)  
Soci 4110 Aging Policy and Services (3)  
SW 4260 Aging Practice, Policy and Research Issues (3)
4. Select one course. (3)  
Gero 4475 Communication and Aging (3)  
Gero 4500 Anthropology of Aging (3)  
Soci 4110 Aging Policy and Services (3) (if not taken in section 3 above)  
Soci 4122 Death, Dying, and Loss (3)  
SW 4260 Aging Practice, Policy and Research Issues (3) (if not taken in section 3 above)
5. Gero 4910 Gerontology Internship (3-6)

### **Race and Urban Studies Concentration (27)**

The race and urban studies concentration is designed to provide students with an understanding of the various social forces which shape race relations, urban politics, social inequality, and the ever changing relationship between city and suburb. This concentration is appropriate for students seeking training in careers or activism in non-profit organizations, city or state government, housing and urban advocacy organizations, social justice institutes, or any private organization that focuses on social or racial inequality. The program is of particular relevance to students preparing for admission to graduate or professional programs in a variety of fields (e.g., law, sociology, urban planning, and public health). Students completing the concentration are awarded a certificate in race and urban studies by the Department of Sociology.

1. Major Requirements (12)  
Same as in section 1 of General Program in Sociology, described above
2. Race and Urban Studies Core Courses (6)  
Soci 3212 Race and Ethnic Relations (3)  
Soci 4226 Urban Sociology (3)
3. Select two courses (6)  
Soci 3208 Work and Employment (3)  
Soci 3214 American Racial-Ethnic Groups (3)  
Soci 3220 Activism, Protest, and Revolution (3)  
Soci 3222 Deviant Behavior (3)  
Soci 3224 Crime and Punishment (3)  
Soci 3225 Youth and Crime (3)  
Soci 3228 The Holocaust (3)  
Soci 3232 Poverty and Welfare (3)  
Soci 3340 Population Problems (3)  
Soci 3346 Drug Use and Abuse (3)  
Soci 3350 Social Change and the Future (3)  
Soci 3354 Sociology of Popular Culture (3)  
Soci 4218 Power and Politics (3)  
Soci 4230 Sociology of Health and Illness (3)  
Soci 4279 Metropolitan Atlanta (3)  
Soci 4310 Issues in the African-American Community (3)  
Soci 4312 African-American Women in the United States (3)  
Soci 4360 Religion and Society (3)  
Soci 4366 Law and Society (3)  
Soci 4380 Educational Sociology (3)

## 4. Soci 4980 Internship (3-6)

**Pre-Education Concentration (27)**

The social studies education concentration in sociology is designed for students who wish to become public school teachers by completing the initial teacher preparation alternative M.Ed. program in Social Studies Education in the College of Education (or a similar master's level initial preparation program at another university). This concentration provides the content area preparation for teaching sociology and other social studies courses at the middle and high school levels. Students pursuing this concentration must also choose three allied fields (minor areas) from the following departments, taking nine hours in each, for a total of 27 hours: economics, geography, history, or political science (see these departments for specific course requirements). Students choosing the Sociology Concentration may not select anthropology or psychology as an allied field. A certificate in Social Studies Education in Sociology will be awarded by the Department of Sociology upon completion of the program. **Please note:** In order to gain teacher certification, students completing this degree program should also complete the requirements for a master's degree in social science education (see the College of Education for more details).

1. Major Requirements (12)  
(Same as in section 1 of General Program in Sociology, described above.)
2. Select one to two courses from each group, for a total of five courses (15)
  - a. Family and Life Course (3-6)
    - Soci 3101 Families and Society (3)
    - Soci 3110 Identity, Self, and Social Interaction (3)
    - Soci 3152 Birth and Parenthood (3)
    - Soci 3162 African-American Family (3)
    - Soci 4116 Aging and Society (3)
  - b. Race and Urban (3-6)
    - Soci 3212 Race and Ethnic Relations (3)
    - Soci 4226 Urban Sociology (3)
    - Soci 4279 Metropolitan Atlanta (3)
    - Soci 4310 Issues in the African-American community (3)
    - Soci 4380 Educational Sociology (3)
  - c. Gender and Sexuality (3-6)
    - Soci 3156 Sexuality and Society (3)
    - Soci 3216 Gender and Society (3)
    - Soci 3356 Sexual Identity (3)
    - Soci 4150 Sexual and Intimate Violence (3)
    - Soci 4311 African-American Male/Female Relationship (3)
    - Soci 4315 Girls (3)

**Allied Field Concentration in Sociology for Pre-Education Majors in Other Social Science Departments (9)**

Note: This section applies only to students specializing in Social Studies Education. Select one course from each of the following areas (9)

- a. Family and Life Course (3)
  - Soci 3101 Families and Society (3)
  - Soci 3110 Identity, Self, and Social Interaction (3)
  - Soci 3152 Birth and Parenthood (3)
  - Soci 3162 African-American Family (3)
  - Soci 4116 Aging and Society (3)
- b. Race and Urban (3)
  - Soci 3201 Wealth, Power, and Inequality (3)
  - Soci 3212 Race and Ethnic Relations (3)
  - Soci 4226 Urban Sociology (3)
  - Soci 4279 Metropolitan Atlanta (3)
  - Soci 4310 Issues in the African-American Community (3)
  - Soci 4380 Educational Sociology (3)
- c. Gender and Sexuality (3)
  - Soci 3156 Sexuality and Society (3)
  - Soci 3216 Gender and Society (3)
  - Soci 3356 Sexual Identity (3)
  - Soci 4150 Sexual and Intimate Violence (3)

|           |                                                |
|-----------|------------------------------------------------|
| Soci 4311 | African-American Male/Female Relationships (3) |
| Soci 4315 | Girls (3)                                      |

#### **Area H: Minor and Additional Courses**

1. Students majoring in sociology are not required to take a minor.
2. Additional courses not in the major must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses.

### **Minor in Sociology**

Students who wish to minor in sociology must take 15-18 hours in courses in sociology, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in sociology may count the additional hours toward their electives or may consider completing a double major. (A grade of C or higher is required in all courses counting toward the minor.)

### **Sociology Club and Honor Society**

The department sponsors a Sociology Club. The club is an academic, social and service organization. Interested students are encouraged to participate. Additional information can be obtained from the club email at [socinfor@gsu.edu](mailto:socinfor@gsu.edu), or by contacting Dr. Lesley Reid at [soclwr@langate.gsu.edu](mailto:soclwr@langate.gsu.edu).

## **3520 Spanish**

### **Programs Offered:**

**Bachelor of Arts in Spanish**

**Concentration in Literature**

**Concentration in Language and International Business**

**Concentration in Foreign Language Education**

**Bachelor of Arts in Spanish and M.I.B. Joint Degree**

**Minor in Spanish**

Department of Modern and Classical Languages

841 General Classroom Building

404/651-2265

<http://www.gsu.edu/languages>

Kathleen Hardesty Doig, Chair

Fernando Reati, Associate Chair

Georges Perla, Undergraduate Director

The Department of Modern and Classical Languages serves a threefold purpose: to encourage an appreciation of humanistic values through the study of foreign languages, literatures, and cultures; to teach foreign languages as a means of communication; and to prepare students for academic careers and the opportunities available in the field of international business. As part of a dynamic urban university in a city of growing international awareness and status, the department is fulfilling its responsibility to meet the increasing foreign language needs of the governmental, business, and professional communities.

The department recognizes that an active command of the foreign language and a thorough exploration of the foreign culture form an essential basis for further study in the various areas of its curriculum. To this end, the department sponsors study-abroad programs in Madrid and Guadalajara (Mexico).

The department maintains a state-of-the-art multimedia Language Acquisition and Resource Center (LARC) with a digital audio laboratory with 50 student computer workstations. The digital lab serves a dual purpose in allowing both independent student access to digitized audio files and interactive software that accompanies the language texts, and also in providing a multimedia environment for teacher-led listening, speaking, and recording activities. In addition to the audio lab, the LARC features a tutoring center and resource library, as well as five stand-alone computers for student use. To assist in the development of the student's active language skills and to provide added cultural enrichment, the LARC contains a wide range of audiovisual materials, including a growing collection of videos, CD Roms and DVDs.

The department sponsors two Freshman Learning Communities each year. One group is designed for students interested in using their foreign language in international business. The other, sponsored jointly by the Department of Applied Linguistics/ESL, is in Language Studies.



For students who hope to teach at the K-12 levels, the department offers Spanish with a concentration that leads to certification.

For students who view language study as a preparation for a career in the business world, the department has two special programs: a concentration in the business language of Spanish, and a practicum in an internationally oriented business or service organization in the metro area for qualified and interested students in their senior year.

The department is also a testing center for diplomas certifying proficiency in business language and procedures. These diplomas are granted by chambers of commerce in various countries.

All Spanish majors are encouraged to consult regularly with their departmental adviser in designing and following a program of study that fits their own career objective and the requirements of their particular concentration.

## Program Degree Requirements

In addition to courses in the language major, you are advised to choose courses in other areas that complement your language study. Such courses include other languages, history, philosophy, art and music, business, and education. Faculty advisers in the department are eager to discuss your academic plans with you as you design your course of study.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

## B.A. in Spanish

### Area F: Courses Appropriate to the Major (18)

The following requirements and options are appropriate for majors in Spanish.

1. Majors must achieve competence at the intermediate level before beginning courses at the 3000 level. They may demonstrate competence through placement exam scores, including the CLEP exam, prior study, or courses taken at Georgia State University. The following may be counted in Area F, as required (0-12 hours): Span 1002, Span 2001, Span 2002, Span 2203 or 2501.
2. Students may complete Area F with any combination of the following (0-18 hours):
  - a. Any courses in other foreign languages, 1001-2203/2501 level.
  - b. Electives in the Department of Modern and Classical Languages.  
Clas 2201, Clas 2202, Clas 2203, Fren 2212, Fren 2216, Grmn 2216, Ital 2211, Span 2213, Span 2216
  - c. Electives in other departments.  
AL 2101, AL 2102, Anth 2020, AH 1700, AH 1750, Econ 2105, Econ 2106, Engl 2110, Engl 2120, Engl 2130, EDUC 2110, EDUC 2120, EDUC 2130, EXC 4020, Film 1010, Hist 1111, Hist 1112, Jour 1010, Phil 2010, PolS 2401, WSt 2010

### Area G: Major Courses (30)

The major in Spanish consists of 30 hours (ten courses) on the 3000/4000 level. Spanish 2203 or 2501 or its equivalent is prerequisite for all courses on the 3000 level. Prerequisite for all courses at the 4000 level is the completion of at least 3 courses at the 3000 level (for nonnative speakers).

1. Major Requirements (9)
 

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Span 3303                    | Advanced Grammar I (3) <b>or</b>                |
| Span 3501                    | Advanced Spanish for Heritage Speakers (3)      |
| Span 3307                    | Introduction to the Study of Literary Texts (3) |
| Select one of the following: |                                                 |
| Span 3309                    | Spanish Culture and Civilization (3)            |
| Span 3311                    | Latin American Culture and Civilization (3)     |
2. Concentration Courses (21)

### Literature Concentration

- a. Four literature courses above Span 3307. (12)
- b. Three additional courses in Spanish at the 3000/4000 level. (9)

### Language and International Business Concentration

- a. Concentration Requirements (9)
 

|           |                                           |
|-----------|-------------------------------------------|
| Span 4405 | Spanish for International Business I (3)  |
| Span 4407 | Spanish for International Business II (3) |
| Span 4409 | Techniques of Translation (3)             |
- b. One of the following courses (3)
 

|           |                                                       |
|-----------|-------------------------------------------------------|
| Span 4409 | Techniques of Translation (3)                         |
| Span 4445 | Literature for Students of International Business (3) |

Busa 3000 Globalization and Business Practice (when taught in Spanish) (3)

- c. One literature course above Span 3307 (3)
- d. Three additional courses in Spanish at the 3000 - 4000 level (9)

### **Foreign Language Education Concentration**

- a. Span 3305 Advanced Conversation and Composition (3) (non-native speakers only)
- b. Two literature courses above Span 3307. (6)
- c. A second culture course from either Span 3309 (Spanish Culture and Civilization) or Span 3311 (Latin American Culture and Civilization) (3)
- d. Three additional courses in Spanish at the 3000-4000 level. (9)

### **Requirements for Teacher Certification**

Students who wish to be certified to teach Spanish in the public schools of Georgia should choose the courses listed under the “Foreign Language Education Concentration” above and the following methodology courses in the Department of Modern and Classical Languages: ForL 3021, 3022, 4025, 4026, and 4030. All students will register for Student Teaching (ForL 4061/4062/4063).

All students seeking teaching certification in Spanish must pass the following courses in the College of Education with a grade of C or higher: EDUC 2110, EDUC 2120, EDUC 2130, IT 3210, and EXC 4020.

Students must apply formally and be admitted to the Teacher Education program in foreign languages. Application forms are available in the department (841 GCB). See “Teacher Preparation Programs” chapter of this catalog. To qualify for the Student Teaching experience, students must receive a grade of B or higher on a departmental test of oral and written proficiency in their target languages. Specific information about date and place of these exams is available in the department office (841 GCB).

In order to be recommended for K-12 certification in Spanish, students must complete all courses taken in the Department of Modern and Classical Languages (the major and ForL courses) with a grade of B or higher.

### **Area H: Minor and Additional Courses**

1. Foreign language majors are not required to take a minor. Foreign language majors who choose a minor in other departments/schools/institutes are encouraged to select courses that are appropriate to their area of concentration. Students are also urged to consider combining their major with a second major in another language or another discipline under the Double Major option.
2. Additional courses must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses. Up to six additional hours may be taken in the major.

### **Bachelor of Arts in Spanish and M.I.B. Joint Degree Program**

Highly qualified and highly motivated students interested in languages and international business may apply for this joint-degree program that leads to an undergraduate degree in Spanish and a Master of International Business. It is a demanding program that combines classroom study of Spanish with the international business curriculum. There will be, at least, one mandatory internship abroad in the final year, with a second strongly recommended study or work experience abroad, usually during the third or fourth year. Completion of the program in five years will mean that students must be willing to attend classes in the summer, as necessary. For further information please contact: Department of Modern and Classical Languages, 841 General Classroom Building, 404/651-2265, Email: mclinfo@gsu.edu.

### **Bachelor of Arts Major in International Economics and Modern Languages Program Admission**

There are no admission requirements above the requirements for admission to the University for enrollment in the B. A. program with a major in international economics and modern languages.

### **Program Financial Information**

There are no additional fees other than the tuition and fees charged by the University for enrollment in this program.

### **Program Degree Requirements**

For degree credit, a minimum grade of C must be attained in Engl 1101 and 1102 and all courses in the economics common core curriculum and modern languages core curriculum.

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the “University Degree Requirements and Graduation” chapter of this catalog. The number of semester credit hours required for each section is shown in parentheses.

**Area F: Courses Appropriate to the Major (18)**

|           |                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------|
| Econ 2105 | Principles of Macroeconomics                                                                              |
| Econ 2106 | Principles of Microeconomics                                                                              |
| Math 1070 | Elementary Statistics - If taken in Area D, a 1000/2000 level elective from Areas A-E may be substituted. |
| Span 2001 | Intermediate Spanish I                                                                                    |
| Span 2002 | Intermediate Spanish II                                                                                   |

Note: Students who have not already attained elementary-level proficiency in their chosen language will be required to take prerequisite courses: Fren, Grmn, or Span 1001 and/or 1002. In that case, the 1002 language course may be used to satisfy 3 credit hours of core requirements in Area C, Humanities and Fine Arts. Students with a concentration in Spanish must complete Span 2203/2501 as their Area F elective.

Students who have already attained intermediate-level competency in the primary language may substitute 1000/2000 level courses in another language for Fren, Grmn or Span 2001/2002 (or Span 2203 or Span 2501) upon approval of the Department of Modern and Classical Languages advisor.

Elective: one 1000/2000 level course chosen from Areas A-E.

**Area G: Economics Common Core Curriculum (24)** A minimum grade of C is required for all courses in this area.

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Econ 3900                                     | Macroeconomics        |
| Econ 3910                                     | Microeconomics        |
| Econ 4600                                     | Economic Development  |
| Econ 4800                                     | International Trade   |
| Econ 4810                                     | International Finance |
| Choose 3 elective 4000-level Econ courses (9) |                       |

**Area H: Modern Languages Common Core (24)** A minimum grade of C is required for all courses in this area.

|                                             |                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------|
| Span 3303                                   | Advanced Grammar or Span 3501 Advanced Spanish for Heritage Speakers                |
| Span 3307                                   | Introduction to Study of Literary Texts                                             |
| Span 3309                                   | Spanish Culture and Civilization or Span 3311 Latin American Culture & Civilization |
| Span 4405                                   | Spanish for International Business I                                                |
| Span 4407                                   | Spanish for International Business II                                               |
| Span 4409                                   | Techniques for Translation                                                          |
| Choose two other Span 3000/4000 courses (6) |                                                                                     |

**Area I: Electives (12)** Choose any four 3000/4000 level courses, in consultation with the faculty advisor.**Minor in Spanish**

Students who wish to minor in Spanish must take 15-18 hours in courses in the language, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours of courses in the language may count the additional hours toward their electives or may consider completing a double major. A grade of C or higher is required in all courses counting toward the minor.

**3530 Speech****Programs Offered:****Bachelor of Arts in Speech****Concentration in Public and Political Communication****Concentration in Communication across the Lifespan****Minor in Speech**

Department of Communication  
1040 One Park Place South  
404/651-3200

<http://communication.gsu.edu>

David Cheshier, Chair

Kathryn Fuller-Seeley, Associate Chair

Doug Barthlow, Undergraduate Adviser

Speech communication explores the creation, transmission, analysis, and impact of differing kinds of spoken messages as they occur among individuals, groups, organizations, and cultures. Speech courses examine such areas as interpersonal and nonverbal communication, persuasion and argumentation, rhetorical criticism, public address, communication development, and communication disorders. The concepts and skills provided by the major in speech are useful in a wide variety of occupations, including business, law, politics, teaching, the ministry, and public relations, that require an understanding of the dynamics of human communication and proficiency in oral expression.

Credit for special projects and internships is available in all majors and concentrations. Internships enable students who already have completed the appropriate course work and have met departmental eligibility criteria to take advantage of expertise in a variety of professional sectors in the metropolitan area and to tailor programs to their specific career goals.

## **Program Degree Requirements**

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### **B.A. in Speech**

#### **Area F: Courses Appropriate to the Major Field (18)**

1. Lang 1002 Elementary Foreign Language II (3)  
(See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.)
2. Required Courses (minimum grade of C required) (11)
  - Spch 1000 Human Communication (2)
  - Spch 1500 Public Speaking (3)
  - Spch 2500 Communication Research and Information Technology (3)
  - Spch 2650 Interpersonal Communication (3)
3. Select two additional courses at the 1000/2000 level listed in Area B (Institutional Options) of the undergraduate core curriculum. (4) Courses can be drawn from the areas of Critical Thinking, Perspectives on Comparative Culture, or Scientific Perspectives on Global Problems.

#### **Area G: Major Courses (24)**

A grade of C or higher is required in all major courses.

1. Major Requirements (9)
  - Spch 3050 Speech Communication Research Methods (3)
  - Spch 4400 Development of Communication and Language Across the Lifespan (3)
  - Spch 4450 Rhetorical Theory and Criticism (3)
2. Area Concentration: Choose five courses from one area of concentration. (15)

#### **Public and Political Communication Concentration**

Select five courses (15)

- Spch 3010 Advanced Public Speaking (3)
- Spch 3060 Communication Law (3)
- Spch 3210 Business and Professional Communication (3)
- Spch 3510 Principles of Debate (3)
- Spch 3690 Honors Readings (1-3)
- Spch 4250 Persuasion (3)
- Spch 4460 Topics in Public Communication Theory and Research (3)
- Spch 4480 Political Communication (3)
- Spch 4500 Visual Communication (3)
- Spch 4510 Media and Politics (3)
- Spch 4520 African-American Rhetoric (3)
- Spch 4530 Voices of African-American Feminists (3)
- Spch 4540 Mediation and Conflict Resolution (3)
- Spch 4880 Honors Thesis: Writing (3-6)
- Spch 4890 Special Project (3)
- Spch 4980 Internship (1-6)

#### **Lifespan Communication Concentration**

Select five courses (15)

- Spch 3000 Phonetics (3)
- Spch 3210 Business and Professional Communication (3)

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Spch 3450 | Non-Verbal Communication (3)                                  |
| Spch 3550 | Oral Techniques of Group Decision Making (3)                  |
| Spch 3690 | Honors Readings (1-3)                                         |
| Spch 3750 | Intercultural Communication (3)                               |
| Spch 4250 | Persuasion (3)                                                |
| Spch 4410 | Communication Disorders (3)                                   |
| Spch 4470 | Topics in Interpersonal Communication Theory and Research (3) |
| Spch 4475 | Communication of Aging (3)                                    |
| Spch 4490 | Communication and Gender (3)                                  |
| Spch 4540 | Mediation and Conflict Resolution (3)                         |
| Spch 4880 | Honors Thesis: Writing (3-6)                                  |
| Spch 4890 | Special Project (3)                                           |
| Spch 4980 | Internship (1-6)                                              |

#### **Area H: Minor and Additional Courses**

1. Majors in the Department of Communication's three B.A. programs must select a minor consisting of at least 15 hours of courses in a discipline within the Department of Communication other than the major (journalism, film/video, or speech) or in another academic department/school/institute that offers a baccalaureate degree. At least nine semester hours of minor courses must be at the 3000 level or above, unless otherwise specified by the minor-granting department/school/institute. A grade of C or higher is required in all minor courses.
2. Additional courses from department/schools/institutes other than the major must be taken to complete a minimum of 120 semester hours exclusive of 1000/2000-level physical education or military science courses.

#### **Minor in Speech**

Students who wish to minor in one of the department's three programs must take 15-18 hours in the specific area, including at least nine semester hours at the 3000 level or above. Students taking more than 15 hours in courses in the specific area may count the additional hours toward their electives or may consider completing a double major. (A grade of C or higher is required in all courses counting toward the minor.)

## **3540 Teacher Preparation Programs**

The social science departments of the College of Arts and Sciences offer seven different pre-education tracks:

**Bachelor of Arts in African-American Studies (Section 3090)**

**Bachelor of Arts in Anthropology (Section 3100)**

**Bachelor of Arts in Geography (Section 3280)**

**Bachelor of Arts in History (Section 3310)**

**Bachelor of Arts in Political Science (Section 3460)**

**Bachelor of Arts in Psychology (Section 3490)**

**Bachelor of Arts in Sociology (Section 3510)**

Students interested in a career in pre-education are encouraged to consult these sections of this catalog.

The pre-education programs in these departments are for students who plan to teach social studies at the high school level. Through completion of these tracks, students earn along with the baccalaureate degree a certificate in Pre-Education Broad Field Social Science. To be certified to teach, students in this program must complete the initial teacher preparation alternative M.Ed. program in Social Studies Education in the College of Education (or a similar master's level initial preparation program at another university).

Please refer to the "Teacher Preparation" chapter of this catalog for detailed information on other programs.

## **3550 Theatre**

#### **Programs Offered:**

**Bachelor of Interdisciplinary Studies in Theatre**

**Concentration in Performance Studies**

**Concentration in Design and Production**

The BIS in theatre focuses on the history, theory and practice of creating live theatrical performance. Theatre courses are designed to promote the artistic development of students whose interests and talents will lead them to careers in theatre or allied arts, and the help students with other vocational interests to understand and appreciate the cultural heritage represented in drama and to improve their oral communication skills. The University Theatre and the Georgia State University Players, afford majors practical experience through participation in productions. Credit for special projects and internships are available so students can take advantage of the expertise in the professional sector of the metropolitan area and to tailor programs to their specific career goals.

### Program Admission

A 2.0 Georgia State University GPA is required in order to apply to the program. Application materials can be obtained from the Office of Academic Assistance, 724 General Classroom Building, 404/651-2291. Students should apply to the program by the time they have earned 42 credit hours to avoid a delay in graduation. Theatre faculty in the Department of Communication are available to advise for the BIS in Theatre degree.

### Program Degree Requirements

Please refer to the Bachelor of Interdisciplinary Studies section 3030.50 of this catalog for academic regulations for this program.

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

### Bachelor of Interdisciplinary Studies in Theatre

#### Area F. Courses appropriate to the major (18)

These courses are required for all Theatre students, regardless of concentration.

1. Required Courses (12)
  - Thea 1010      Theatrical Design and Production (4)
  - Thea 2000      Theatre Workshop (1) (Must be repeated 2 times)
  - Thea 2210      Acting I (3)
  - Language 1002
2. Select two courses. (6)
 

(Be sure to take prerequisites for desired Allied Field courses if not already taken for Areas A-E)

  - AH 1700      Survey of Art I. History of Western Art I: Prehistoric through Medieval Art (3)
  - AH 1750      Survey of Art II. History of Western Art II: The Renaissance through Contemporary Art (3)
  - Art 1010      Drawing I (3)
  - Art 1020      Drawing II (3)
  - Art 1030      Two-Dimensional Design (3)
  - Art 1040      Three-Dimensional Design (3)
  - Engl 2120      British Literature (3)
  - Engl 2130      American Literature (3)
  - Engl 2140      Introduction to Literary Studies (3)
  - Film 1010      Film Aesthetics and Analysis (3)
  - Film 2700      History of Motion Pictures (3)
  - Spch 1010      Voice and Articulation (3)

### Performance Studies Concentration

#### Area G. Area of Concentration – Performance Studies (27-28)

1. Required Courses (9)
  - Thea 3100      Play Analysis (3)
  - Thea 4070      Western Theatre History (3) **or**
  - Thea 4080      Non-Western Theatre History (3)
  - Thea 4950      Senior Collaborative Seminar (3)
2. Select two courses. (6)
  - Thea 3210      Acting II (3)
  - Thea 4210      Acting Styles (3)
  - Thea 4850      Directing (3)
3. Select four courses. (12-13)
  - Film 3300      Dramatic Writing for Stage and Screen (3)
  - Film 4000      Acting for the Camera (4)
  - Film 4310      Feature Screenwriting I (3)



|           |                              |
|-----------|------------------------------|
| Film 4320 | Feature Screenwriting II (3) |
| Folk 3000 | American Folklore (3)        |
| Phil 4830 | Philosophy of Art (3)        |
| Spch 3000 | Phonetics (3)                |

**Area H. Allied Field – Theory and Literature (15)**

1. Required Course (3)  
Thea 4760 Performance Theory and Practice (3)
2. Select two courses from one of the sub-areas and one from each of the other two. (12)
  - a. Select one or two courses:  
Engl 3150A Introduction to Creative Writing-Poetry (3)  
Engl 3150B Introduction to Creative Writing-Fiction (3)  
Engl 3160 Narrative Techniques (3) **or**  
Engl 3170 Poetic Techniques (3)  
Engl 3250 Topics in Contemporary Theory (3)  
Eng 3260 Theories of Popular Culture (3)  
Engl 3280 English Drama (3)  
Engl 3860 American Drama (3)  
Engl 3890 Contemporary American Ethnic Literatures (3)  
Engl 3930 Modern Drama (3)  
Engl 4130 Shakespeare, Early Works (3)  
Engl 4140 Shakespeare, Later Works (3)  
Engl 4200 Topics (3) (where appropriate, Adviser approval required)  
Engl 4310A Senior Seminar: Workshop in Poetry (3) **or**  
Engl 4310B Senior Seminar: Workshop in Fiction (3)
  - b. Select one or two courses:  
AAS 4650 African-American Theatre (3)  
AAS 4900 African-Americans in Film (4)  
AAS 4776 Africa and Hollywood: Myth, Romance, and Savage Imagery (4)
  - c. Select one or two courses:  
WSt 3960 African-American Literature by Women (3)  
WSt 3980 Women's Literature I (3)  
WSt 3990 Women's Literature II (3)

**Design & Production Concentration****Area G. Area of Concentration – Design & Production (27)**

1. Required Courses (24)  
ID 3000 Architectural Drawing I: Drafting (3)  
Phil 4830 Philosophy of Art (3)  
Thea 3100 Play Analysis (3)  
Thea 4070 Western Theatre History (3) **or**  
Thea 4080 Non-Western Theatre History (3)  
Thea 4950 Senior Collaborative Seminar (3)  
Thea 4860 Special Topics: Scene Painting (3)  
Thea 4860 Special Topics: Scenography (3)  
Thea 4860 Special Topics: Stage Management (3)
2. Select one course. (3)  
Film 3000 Lighting Design for Theatre, Film and Television (4)  
ID 3100 Architectural Drawing II: Presentation (3)  
ID 4250 Architectural Drawing III: Computer-Aided Drafting and Design (2)\*  
ID 4350 Architectural Drawing IV: Three-Dimensional Computer-Aided Drafting and Design (2)\*

\*Note: If ID 4250 or ID 4350 is chosen to fulfill this requirement, the degree program will be one hour short of the 27 hours required in the area of concentration; students wishing to take either of those courses should add an additional course (either a two or three-hour course from this menu of options).

**Area H. Allied Field – Art and Design (15-16)**

1. Select five courses. (15-16)

|           |                                        |
|-----------|----------------------------------------|
| DP 3100   | Drawing and Composition (4)            |
| ID 4100   | Lighting Design (2)                    |
| Scul 3000 | Sculpture I (3)                        |
| Scul 3100 | Sculpture II (3)                       |
| Text 3000 | Fibers, Colors, Dyes, and Dyeing (3)   |
| Text 3100 | Surface Design I (3)                   |
| Text 3300 | Three-Dimensional Fiber Structures (3) |

**Area J. Electives (12)**

Performance Studies Concentration (12 hours at 3000 level or above, including Thea 4980).

Design and Production Concentration (12 hours at 3000 level or above, including Thea 4980).

Additional electives may be needed to build the hours in Areas G-J to 60 hours, have 39 hours at Georgia State University taken at the 3000-4000 level for residency, and complete 120 hours required for graduation.

## 3560 Women's Studies

**Programs Offered:**

**Bachelor of Arts in Women's Studies**

**Minor in Women's Studies**

Women's Studies Institute

10<sup>th</sup> Floor Urban Life Building

404/651-4633

<http://www.gsu.edu/womensstudies>

Susan Talburt, Director

Julie Kubala, Undergraduate Studies Director

Women's Studies offers feminist and womanist interdisciplinary explorations of the relationship of gender to race, class, ethnicity, nation, and sexuality. In order to examine subject formation across cultures and historical periods, it also takes into account globalization, colonialism, and transnational relations. Women's Studies encourages critical thinking in order to open up categories, formulate new questions, and develop creative approaches to historical and contemporary issues. As such, the field provides useful preparation for a variety of opportunities in non-profit work, governmental agencies, private business, and academia.

**Program Admission**

Students wishing to major or minor in Women's Studies must meet the requirements for the Bachelor of Arts degree as described earlier in this catalog. Students should come to the WSI office to receive advisement.

**Program Academic Regulations**

To take WSt 4920 (Senior Research), or WSt 4950 (Internship), or WSt 4999 (Directed Reading), students must first receive approval from the Women's Studies Institute's Director of Undergraduate Studies. Students are responsible for contacting sites and arranging for their own internships. A list of internship sites is available at <http://www.gsu.edu/womensstudies>.

**Program Degree Requirements**

In addition to the Program Degree Requirements, students must fulfill the College of Arts and Sciences Degree Requirements (see section 3030) and the University Degree Requirements (see section 1400).

**B.A. in Women's Studies****Area F: Courses Appropriate to the Major (18)**

## 1. Required Courses (6)

ForL 1002 Elementary Foreign Language II (3)

WSt 2010 Introduction to Women's Studies (3)

## 2. Recommended Courses (12)

AAS 2010, Anth 2020, PolS 2401, Psyc 2040, Psyc 2070, Soci 1101, Soci 1160, and Spch 2050

**Area G: Major Courses (30)**

1. Required Course (3)  
WSt 3010 Feminist Theories (3)
2. Select one course (3)  
WSt 4920 Senior Research (3)  
WSt 4950 Internship (3)
3. Remaining Courses in Major Field (24)  
Seven additional Women's Studies courses or courses crosslisted with Women's Studies, with at least nine hours in a single strand; these strands reflect areas of specialization within the field. Students may, if they wish, take nine hours in an additional strand, or they may choose additional WSt electives to fulfill the remaining 12 hours. Only courses with the WSt prefix count as Women's Studies courses.

The strands include Sexualities, Race, Globalization, and Social Change.

**Sexualities:**

|          |                                                   |
|----------|---------------------------------------------------|
| WSt 3150 | Sexuality and Society (3)                         |
| WSt 3356 | Sexual Identity (3)                               |
| WSt 4050 | Global Perspectives on Violence against Women (3) |
| WSt 4060 | Sexual and Intimate Violence (3)                  |
| WSt 4210 | Women in Cross-Cultural Perspective (3)           |
| WSt 4310 | Girls (3)                                         |
| WSt 4620 | Psychology of Women (3)                           |
| WSt 4780 | African-American Lesbian and Gay Activism (3)     |
| WSt 4790 | Womanism (3)                                      |

**Race:**

|          |                                                  |
|----------|--------------------------------------------------|
| WSt 3960 | African-American Literature by Women (3)         |
| WSt 4040 | Gender, Race, and Class in Complex Societies (3) |
| WSt 4110 | African-American Female Activism (3)             |
| WSt 4590 | Cultural Studies of Gender (3)                   |
| WSt 4750 | Black Feminist Thought (3)                       |
| WSt 4760 | Activism: History and Theory (3)                 |
| WSt 4780 | African-American Lesbian and Gay Activism (3)    |
| WSt 4790 | Womanism (3)                                     |

**Globalization:**

|          |                                                   |
|----------|---------------------------------------------------|
| WSt 3990 | Women's Literature II (3)                         |
| WSt 4040 | Gender, Race, and Class in Complex Societies (3)  |
| WSt 4050 | Global Perspectives on Violence against Women (3) |
| WSt 4110 | African-American Female Activism (3)              |
| WSt 4210 | Women in Cross-Cultural Perspective (3)           |
| WSt 4370 | Women and Religion (3)                            |
| WSt 4772 | Women in Africa (3)                               |

**Social Change:**

|          |                                               |
|----------|-----------------------------------------------|
| WSt 4070 | Family Violence and Criminal Justice (3)      |
| WSt 4110 | African-American Female Activism (3)          |
| WSt 4440 | Women in America (4)                          |
| WSt 4510 | Feminist Political Theory (3)                 |
| WSt 4620 | Psychology of Women (3)                       |
| WSt 4650 | Women in Europe since 1500 (4)                |
| WSt 4750 | Black Feminist Thought (3)                    |
| WSt 4760 | Activism: History and Theory (3)              |
| WSt 4780 | African-American Lesbian and Gay Activism (3) |
| WSt 4790 | Womanism (3)                                  |

**Additional Electives:**

|          |                             |
|----------|-----------------------------|
| WSt 3000 | African-American Family (3) |
|----------|-----------------------------|

---

|          |                                         |
|----------|-----------------------------------------|
| WSt 3120 | Families and Society (3)                |
| WSt 3130 | Gender and Society (3)                  |
| WSt 3140 | Birth and Parenthood (3)                |
| WSt 3980 | Women's Literature I (3)                |
| WSt 3995 | Feminist Literary Criticism (3)         |
| WSt 4020 | Gender in Criminal Justice (3)          |
| WSt 4116 | Aging and Society (3)                   |
| WSt 4130 | Communication and Gender (3)            |
| WSt 4150 | Women and Media (3)                     |
| WSt 4360 | Philosophical Perspectives on Women (3) |
| WSt 4470 | Visual Culture (4)                      |
| WSt 4520 | Feminism and Technology (3)             |
| WSt 4740 | Women Artists (3)                       |

**Area H: Minor and Additional Courses**

1. Students majoring in Women's Studies are required to complete a minor of at least 15 hours, at least 9 hours of which must be 3000 level or above. The minor may be taken through a department or institute, or it may be an interdisciplinary minor.
2. Additional courses not in the major or the minor must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses.

**Minor in Women's Studies**

Students choosing to minor in Women's Studies should complete WSt 2010, WSt 3010, and twelve additional hours of upper-division elective WSt courses, not all of which are in the same area and one of which is a cross-cultural course (as described above for majors). Only courses with the WSt prefix count as Women's Studies courses.

# 4000 College of Education

(See Section 1600 for Teacher Preparation Information).

## 4010 General Information

The material contained in this section is designed to provide information regarding requirements specific to the College of Education and is to be considered supplemental to the information found in preceding sections of this catalog.

### 4010.10 Office of the Dean

1000 College of Education Building

404/651-2525

<http://education.gsu.edu/coe/>

Ronald P. Colarusso, Dean

Gwen Benson, Associate Dean of School and Community Partnerships

Mike Metzler, Associate Dean and Director of Academic Programs

Jim Rutledge, College Administrative Officer

The information contained in this chapter applies to programs, course offerings, and requirements specific to the College of Education. However, the information in this chapter is to be considered supplemental to the general university information found in the preceding chapters of this catalog. Therefore, students should familiarize themselves thoroughly with general information on registration, fees and refunds, academic regulations, student life, and campus services. All policies, regulations, and requirements explained in the preceding chapters of this catalog also apply to the College of Education.

### 4010.20 Mission

The mission of the College of Education at Georgia State University is to provide leadership and scholarship for the betterment of education and human development (Strategic Plan 2002-2007).

### 4010.30 Accreditation

The professional education unit at Georgia State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave. NW, Suite 500, Washington, DC 20036; 202/466-7496. This accreditation covers the institution's initial teacher preparation and advanced educator preparation programs.

The Georgia Professional Standards Commission approves teacher preparation programs offered through the College of Arts and Sciences and the College of Education.

### 4010.40 Degree Programs

Undergraduate and graduate degree programs are offered through the departments of Early Childhood Education and Kinesiology and Health. The departments of Counseling and Psychological Services, Educational Policy Studies, Educational Psychology and Special Education, and Middle-Secondary Education and Instructional Technology offer graduate programs only.

Undergraduate degree programs for teachers of art, foreign languages, or music are offered by the College of Arts and Sciences.

#### College of Education undergraduate degrees and majors:

##### Bachelor of Science (B.S.)

Exercise Science

##### Bachelor of Science in Education (B.S.E.)

Early Childhood Education

Health and Physical Education

Graduate programs offered through the College of Education are listed in the "General Information" section of this catalog and are described in the university's graduate catalog available on the university website at <http://www.gsu.edu>. Graduate application materials can be obtained by visiting the website for the College of Education <http://education.gsu.edu/coe/>.

## 4010.50 College Facilities

Many of the college's programs involve student and faculty participation and interaction with metropolitan Atlanta community schools and agencies. Atlanta offers an ideal laboratory for the development of our students. Special facilities in the college of particular interest to undergraduate students are listed below.

### Alonzo A. Crim Center for Urban Educational Excellence

350 College of Education Building,

404/651-1154

<http://education.gsu.edu/cuee/home.htm>

The Alonzo A. Crim Center for Urban Educational Excellence works in partnership with the larger Georgia State community, other universities, school systems, social agencies, and community organizations. Current work includes: (1) **Benjamin E. Mays Lecture Series**, an annual program which brings nationally prominent educators to Atlanta to address critical issues facing education; (2) **Urban Teacher Leadership Master's Degree Program**, designed to facilitate the development of teachers in urban settings who will remain in the classroom and become change agents; (3) **Coalition Urban Affiliate Liaisons**, meetings between College of Education and Atlanta Public Schools urban affiliates to develop research agendas and to discuss difficult issues related to providing excellent education for those children who traditionally have been least well-served by schools; (4) **Quarterly Forums**, events which address the topic, "Tapping Into the Genius of Our Children," which allows teachers and educators to participate in dialogue with outstanding people who have demonstrated success in fostering academic excellence for economically disenfranchised children in urban schools; (5) **The Peachtree Urban Writing Project**, a national writing project site and a collaborative of the Atlanta Public School System, Georgia State University, Morehouse College, and Spelman College; (6) **National Board Certification Resource Center**, provides awareness training to principals and teachers who are going through National Board Certification (NBC), places special emphasis on the recruitment of minority candidates and houses an information library for NBC literature; (7) **Martin Luther King, Jr. Curriculum Project**, lesson plans developed and designed to encourage hands-on, interactive exploration of materials available in The King Center, while providing historical and sociological knowledge to students as well as in social studies, civics, history, writing and language arts; (8) **Staff Development and Curriculum Enhancement**, facilitates and hosts ongoing workshops and training sessions that promote professional development for in-service teachers, and identifies supplemental learning resources that will compliment the curriculums that are currently used by teachers. The director of the center is Dr. Gwen Benson.

### Instructional Technology Center

2nd floor, College of Education Building

404/651-2457

<http://itc.gsu.edu/>

The Instructional Technology Center serves faculty, students, and prekindergarten through twelfth-grade educators by encouraging and supporting technological confidence and expertise in the areas of teaching, collaboration, and consulting. The ITC serves as a resource center providing learning spaces, technology workshops, student computer access, and specialized educational technology resources. Our resources include computers, peripheral equipment, productivity and educational software titles, audio/video production and reproduction technology and over 100 years of combined educational technology expertise from our experienced staff.

The ITC will provide customized workshops for faculty and instructor-led classes on topics that support instruction. The ITC can create workshops for a variety of instructional technologies. It has a variety of purpose-built teaching facilities including, smart classrooms, computer classrooms, a conference room and a student computing commons.

Michael Metzler, Ph.D., Associate Dean for Academic Programs in the College of Education, serves as Director of the ITC. Call the Instructional Technology Center for information and appointments or visit their website at <http://itc.gsu.edu>.

### Lanette L. Suttles Child Development Center

Alumni Hall, 30 Courtland St.

404/651-2025

[http://education.gsu.edu/coe/content/child\\_dev.htm](http://education.gsu.edu/coe/content/child_dev.htm)

The Lanette L. Suttles Child Development Center is operated by the College of Education under the direction of the Department of Early Childhood Education. It provides care for children of students, faculty, and staff. The center is open from 7:30 a.m. to 6:00 p.m. Mondays through Fridays. There is a waiting list for parents interested in enrolling their children. Information regarding registration, fees, and ages for children accepted into the program may be obtained by contacting the center. The director of the center is Stacey French-Lee.



## **Speech - Language - Hearing Clinic**

8th floor, College of Education Building  
404/651-3627

[http://education.gsu.edu/epse/projects/speech\\_clinic.htm](http://education.gsu.edu/epse/projects/speech_clinic.htm)

The Speech–Language–Hearing Clinic is operated by the Department of Educational Psychology and Special Education to provide practicum and experience for students in the master’s level Communication Disorders program offered through the College of Education. Students who are identified by faculty as needing evaluation may be referred to the clinic. Students can also receive evaluations and treatment services at their own request. The director of the center is Dr. Debra Schober-Peterson.

## **4010.60 Student Organizations**

### **Honor Society: Kappa Delta Pi**

The purpose of Kappa Delta Pi, an international honor society in education, is to promote excellence in and recognize contributions to education. Invitations for membership are extended to students in the College of Education who exhibit high academic scholarship, commendable personal qualities, and worthy educational ideals. Members of Kappa Delta Pi are eligible to apply for national and local scholarships. The local scholarship is described in the “Student Life and Services” chapter of this catalog. For more information, contact Dr. Susan McLendon in the Crim Center, College of Education, 404/651-1154.

### **Student Georgia Association of Educators**

The purposes of the Student Georgia Association of Educators (SGAE) are to serve as a student support network of Georgia State University teacher education students, to address needs and concerns of teacher education students, and to provide supplemental experiences for those students. It is open to all Georgia State University students. For more information, contact Dr. Laura Meyers, Department of Early Childhood Education, 404/651-2584.

## **4020 Faculty**

The faculty of the College of Education is organized into six departments. Listed below are the specific departments, their locations, telephone numbers, websites, department chairs, and faculty members who are responsible for the design and instruction of College of Education programs and courses. Also shown are the prefixes of the undergraduate courses taught by these faculty. Course descriptions appear in the “Course Descriptions” chapter of this catalog.

### **Department of Counseling and Psychological Services**

950 College of Education Building  
404/651-2550

<http://education.gsu.edu/cps/>

Joanna White, Chair

Faculty: Ancis, Ashby, Brack, Cadenhead, Chang, Chung, Decker, Dew, Gormley, Hill, Kern, Levy, Matheny, McMahon, J. Meyers, Mullis, Orr, Ripley, Roach, S. Truscott, Varjas, Weed, White, Wynne

Course prefix: CPS.

### **Department of Early Childhood Education**

550 College of Education Building  
404/651-2584

<http://education.gsu.edu/ece/>

Barbara Meyers, Chair

Faculty: Anastasi, Carter, Dangel, Dooley, Hart, Howrey, Jarrett, Jordan, Kesner, Lemons-Smith, L. Matthews, M. Matthews, B. Meyers, L. Meyers, Parrish, Robertson, Saxton, Schafer, L. Smith, S. Smith, Swars, Tanguay, Taylor, Thornton-Reid, D.Truscott, B. Williams, R. Williams, Zhao

Course prefix: ECE.

### **Department of Educational Policy Studies**

450 College of Education Building  
404/651-2582

<http://education.gsu.edu/eps/>

Sheryl Gowen, Chair

Faculty: Boyles, Breault, Curlette, Davis, Dobbs, Esposito, Freeman, Furlow, Gagne, Gowen, A. Hilliard, Hutcheson, Kaufman, King, Lakes, McCray, Neel, Oshima, Richardson, Rogers, Tighe

Course prefix: EPSF.

## **Department of Educational Psychology and Special Education**

835 College of Education Building

404/651-2310

<http://education.gsu.edu/epse>

Peggy Gallagher, Chair

Faculty: Alberto, Benson, Biscoe, Brooks, Calhoon, Colarusso, Coleman-Martin, Dangel, Easterbrooks, Fowler, Fredrick, Gallagher, Gray, Greenberg, Heflin, Heller, Houchins, Howard, Irving, Jolivet, Kruger, Laues-Gore, Lederberg, O'Rourke, Patton, Patton-Terry, Rambow, Rose, Schober-Peterson, Steventon, D. Thompson, Zabucky

Course prefixes: EPY, EXC.

## **Department of Kinesiology and Health**

137 Physical Education Building

404/651-2536

<http://education.gsu.edu/kin/>

Andrew Doyle, Chair

Faculty: Appleberry, Brandon, Calloway, Doyle, Geil, Gurewicz, Ingalls, Lund, M. Metzler, T. Metzler, Nagel, S. Owen, Pitts, Rupp, Shapiro, W. Thompson, Tis

Course prefixes: KH, RCLS.

## **Department of Middle-Secondary Education and Instructional Technology**

639 College of Education Building, 404/651-2510

<http://msit.gsu.edu/>

Steve Harmon, Associate Chair, Learning Technologies Division

Joyce Many, Associate Chair, Language, Literacy, and Social Studies Education Division

Christine Thomas, Associate Chair, Mathematics and Science Education Division

Faculty: Albers, Ariail, Bohan, Brown, Burns, Calandra, Chung, Daily, Dias, Elliott, Feinberg, Flint, Fox, Harmon, Hatcher, Hayden, Howard, Junor-Clarke, Kinuthia, Lomax, Manley, Many, Martin-Hansen, L. Matthews, McGrail, McNeal, Nosegbe, Pecore, Shoffner, A. Smith, Stinson, C. Thomas, Tinker-Sachs, Verma, X. Wang, Y. Wang, Williams

Course prefixes: EDBT, EDCI, EDLA, EDMT, EDRD, EDSC, EDSS, IT, RGTR.

# **4030 College Academic Advisement**

Academic advisers in the Office of Academic Assistance and Graduate Admissions may advise students in the College of Education. The college encourages students with questions about their degree requirements or the academic regulations of the college or university to contact their advisers.

Students with questions about course content, career plans, and expectations for their fields of preparation and interest may contact faculty members in the college. Students should contact the academic department in advance to arrange a conference with a faculty member.

For students considering a change of major related to career interest, professional assistance in selecting a career area is available through the university's Counseling Center (106 Courtland St.). The services of the center are described in the "Student Life and Services" chapter of this catalog.

## **4030.10 Office of Academic Assistance and Graduate Admissions**

300 College of Education Building

404/651-2539

<http://education.gsu.edu/aae/>

Dr. John Haydock, Director

Cynthia Curtis, Academic Adviser

The College of Education provides the Office of Academic Assistance and Graduate Admissions for the benefit of its students. The purposes of this office are as follows:

- To provide programs of study of each undergraduate major offered by the college;
- To indicate to undergraduate transfer students the specific credits for work done at other institutions that can be applied toward the B.S. and B.S.E. degrees;
- To confirm eligibility for entry into teacher education;
- To assist students in course selections and schedule revisions each term;
- To explain catalog regulations;
- To administer policies for the college and the university;
- To refer students to other sources of assistance in the university; and
- To receive and process applications for graduate study.

Students are advised by appointment except during walk-in times that are provided for brief questions that can be resolved in 10 or fewer minutes. Students must schedule appointments a minimum of two days in advance so updated records can be provided. Office hours are 8:30 a.m. to 5:15 p.m. (M. & Th.); 8:30 a.m. to 6:00 p.m. (Tu. & W.); and 8:30 a.m. to 4:30 p.m. (F.).

Teacher preparation students in the College of Arts and Sciences should contact their Office of Academic Assistance (724 General Classroom Building, 404/651-2291) for advisement.

## 4040 College Academic Regulations

Students may select the College of Education at the point of application to the university or at any point thereafter. Transfer students must comply with all academic regulations of the university and the college.

Entry into teacher education is a separate step and requires meeting additional criteria. Students interested in teacher education programs should refer to the “Teacher Preparation” section 1600 of this catalog.

### Visiting Students

Students currently enrolled in a degree program at another institution who wish to take coursework from the College of Education must follow the admissions requirements shown in the “Undergraduate Admissions” chapter of this catalog. Teacher education courses designated TEA or TCP are not available to visiting students. Students from other institutions may be enrolled as visiting students at Georgia State University for no more than two academic terms.

### Transient Credit

College of Education students must have prior written approval from the college to earn transient credit from another institution if that credit is to be used in a degree program. Contact the Office of Academic Assistance and Graduate Admissions for procedures. Transient approval will not be granted to take courses at Atlanta area institutions when the course is readily available at Georgia State.

The acceptance of all transient applications is subject to any limitations set by the departments or programs of study.

### Credit by Examination

Students displaying exceptional ability in certain areas of knowledge may be recommended, with the approval of the dean, to receive credit for a particular course by successfully completing a departmental examination. Credit by examination cannot be used to meet semester hour requirements for the 39-hour residency, nor can it be used to meet the hour requirements for Honors. Students are directed to contact the specific department to determine eligibility for taking an examination.

The following course has been approved for credit by examination:

KH3390      Advanced First Aid and Emergency Care

Additional courses with the KH prefix may be approved for credit by examination. Contact the Department of Kinesiology and Health for a complete list of such courses.

### Directed Reading Courses

Directed reading courses are designated with the prefix of the program area for which the content of the course is relevant and are numbered 4810. Such a course is for junior or senior level students of superior abilities and proven performance who wish to do independent study in a specific area. Applications for directed reading courses are available from the Office of Academic Assistance and Graduate Admissions. These courses require consultation with the instructor of choice to develop the topic of study, approval of students’ advisers, and approval of the department chair of the instructor’s department. ***Directed reading courses may not substitute for courses that are part of the regular course offerings of the college.***

## 4050 Petitions and Appeals Procedure (See Addendum)

~~There are petitions and appeals procedures for students within the College of Education for the resolution of academic problems that are not governed by university policy.~~

~~Students enrolled in other Georgia State University colleges would follow the same process when a request involves a College of Education course or program requirement.~~

~~**Petition for Waiver or Variance:** This petition is for use by students in the College of Education who are seeking a waiver or variance from an established policy, procedure, rule, or guideline governed by the College of Education. All proposed deviations from the program of study as contained in this catalog must have the prior approval of the adviser, the department chair, and the dean of the college. Students must complete a student petition for waiver or variance form for each proposed program deviation. The petition form can be obtained from the Office of Academic Assistance and Graduate Admissions, 300 College of Education Building. This petition form must be submitted by the end of the prior to the term in which the exception is needed.~~

~~**Student Petition for Resolution:** This petition is for use by students seeking resolution to academic treatment within the College of Education thought by the students to be injurious, unjust, or wrong. Students who believe they have suffered academically because of such treatment should contact the department that offers the course or program in which the treatment occurred to obtain a Student Petition for Resolution form. Within 10 days following the students' written requests, the department chair schedules meetings with the students and their professor. Students must submit the Student Petition for Resolution and required attachments to the appropriate department chair before the end of the term in which the academic problem occurred or in the case of a final grade within 30 calendar days after the first week of classes of the following term.~~

~~**Appeal Procedure:** Students in the College of Education may appeal to the College of Education Student Affairs Committee for review of a College of Education petition (Petition for Waiver or Variance; Student Petition for Resolution) decision thought by the student to be arbitrary, capricious, or discriminatory. This appeal must be initiated within 30 working days following the decision of the petition process. To initiate an appeal, students must Shea Allman, Liaison to the Appeals Panel, Office of the Dean, 404/651-1006, for an appointment.~~

## 4060 College Degree Requirements

The College of Education has no additional degree requirements beyond the university academic regulations.

## 4070 Program Degree Requirements

Undergraduate degrees offered by the College of Education are listed in this section alphabetically by major and then by degree designation. The Bachelor of Science (B.S.) and Bachelor of Science in Education (B.S.E.) majors are listed, followed by nondegree, certification only programs. Students enrolled in degree programs must complete all the requirements for the selected degree and must comply with the general academic regulations of the university. Each program of study listed in this section provides the minimum requirements for that specified program. Additional coursework and noncoursework activities may be required based on faculty evaluation of the students' background preparations and demonstration of their skills and knowledge.

Course descriptions are listed alphabetically by prefix name then course number in the "Course Descriptions" chapter of this catalog.

## 4100 Undergraduate Core Curriculum

Georgia State University requires all students seeking a baccalaureate degree to complete satisfactorily a basic core of general education subjects. All programs offered by the College of Education are designed to comply with the University System of Georgia core curriculum requirements. For a full description of the requirements for Areas A through E of the undergraduate core curriculum, please see the "Core Curriculum" chapter of this catalog. Requirements for completing Areas F through H of each degree program are listed in this chapter.

Students who are completing the core curriculum requirements at another unit of the University System of Georgia are encouraged to check the Georgia State catalog for specific required course prerequisites to maximize the transfer of core credits to apply to the programs in which they plan to enroll.

## 4200 Early Childhood Education

**Program Offered:****Bachelor of Science in Education in Early Childhood Education****Concentration in P-5 Certification****Concentration in dual certification in Early Childhood Education  
and Special Education**

Department of Early Childhood Education

5th floor, College of Education Building

404/651-2584

ecemail@langate.gsu.edu

Barbara Meyers, Chair

Program Theme: Educator as Facilitator

The B.S.E. major in Early Childhood Education prepares teachers to work in classrooms with children in pre-kindergarten through fifth grade. The program reflects research and best practice in the field of early childhood education and teacher education. Candidates receive content and pedagogy in all academic disciplines taught in the early childhood classroom. The program further provides integration of the visual and musical arts within the context of specific content area methods courses. The broad and extensive field-based experiences effectively develop candidates' knowledge and ability to select and implement developmentally appropriate resources and activities for teaching and learning in diverse settings. Successful completion of this program leads to a recommendation for P-5 licensure or dual certification in P-5 and special education. Students may receive a mathematics endorsement for taking MATH 2008, MATH 3050, MATH 3070 and MATH 3090.

**Program Admission**

Students are required to meet all University and College admission requirements. In addition, students must apply for teacher education prior to beginning coursework in Area G of the program. To apply for teacher education, students must have a minimum 2.75 composite grade point average on all undergraduate coursework previously completed; students must have passed the GACE Basic Skills Assessment (see <http://www.gace.nesinc.com> for more information) or presented official scores to demonstrate exemption upon application to the teacher education program; students must have passed the Regents' Test; students must have successfully completed all courses in Area A-F; students must successfully complete a technology course that meets the requirement for the Georgia 2006 Technology Proficiency Requirement (IT 2210 recommended) or demonstrate satisfactory proficiency on a PSC approved test of computer skills competency; students must consent to a criminal background check; students must submit proof of tort liability; and students must complete a writing sample and participate in an interview with program faculty. Please note that the completion of the writing sample and participation in the interview does not guarantee admission to the B.S.E. program.

There are two program options for completing the B.S.E. Degree in Early Childhood Education: the general certification in PreK-5<sup>th</sup> Grade and the Dual Certification in Early Childhood and Special Education.

Additional Teacher Education information is found in section 1600 of the catalog.

**Program Financial Information**

B.S.E majors must pay all tuition and fees charged by the University and the College. A lab fee of \$125 will be charged at the time students register for the student teaching experience. Educator preparation students must be aware that extra cost such as tort liability and transportation will be incurred at various times during the completion of various teacher education field experiences, particularly during the students' senior year.

**Program Academic Regulations**

Program of Study: Students must complete 42 semester hours in Areas A-E of the undergraduate Core Curriculum. Courses in Area A must be completed with "C" or higher grades. All courses listed below in Areas F-G must be completed with a grade of "C" or higher unless otherwise noted. Semester hours are shown in parentheses following an entry.

There are two program options for completing the B.S.E. Degree in Early Childhood Education: the general certification in PreK-5<sup>th</sup> Grade and the Dual Certification in Early Childhood and Special Education.

Tort liability and criminal background check requirement: all students must show proof of tort liability insurance and consent to a criminal background investigation prior to any field experience.

**Program Degree Requirements****B.S.E. in Early Childhood Education**

Students must pass the appropriate GACE Content Assessment prior to graduation (see <http://www.gace.nesinc.com> for more information).

### **Areas A-E: Core Curriculum Recommendations**

Students must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. Courses in Area A must be completed with “C” or higher grades.

Semester hours are shown in parentheses following an entry.

### **Area F. Courses Appropriate for a Major (18)**

Students must complete coursework with a grade of “C” or higher in Area F prior to admission to teacher education.

Required (18):

|           |                                                               |
|-----------|---------------------------------------------------------------|
| EDUC 2110 | Investigating Critical & Contemporary Issues in Education (3) |
| EDUC 2120 | Exploring Socio Cultural Perspectives on Diversity (3)        |
| EDUC 2130 | Exploring Teaching & Learning (3)                             |
| ISCI 2001 | Life/Earth Science (3)                                        |
| ISCI 2002 | Physical Science (3)                                          |
| MATH 2008 | Foundations of Numbers and Operations (3)                     |

### **Area G. Major Courses (54)**

There are two program options for completing the B.S.E. Degree in Early Childhood Education: the general certification in PreK-5<sup>th</sup> Grade and the Dual Certification in Early Childhood and Special Education. Students must complete all courses listed below in Areas G with a grade of “C” or higher unless otherwise noted. Students begin Area G of their programs as a cohort and must take courses in the sequence specified. The Department of Early Childhood Education provides a program manual describing course requirements and expectations.

*\*One asterisk indicates courses required exclusively for the ECE P-5 concentration*

*\*\*Two asterisks indicate courses required exclusively for special education (EXC) concentration*

#### **Block 1**

Required concurrently (15):

|            |                                                                                 |
|------------|---------------------------------------------------------------------------------|
| ECE 3021   | Child Development (3)                                                           |
| ECE 3031   | Cultural Diversity in Early Childhood Education (3)                             |
| ECE 3600   | Language and Literacy (3)                                                       |
| ECE 3661   | Classroom Management in Early Childhood Education Field Experience I (3)        |
| **EXC 4010 | Characteristics of Students with Disabilities (3)                               |
| *EXC 4020  | Characteristics and Instructional Strategies for Students with Disabilities (3) |

#### **Block 2**

Required concurrently (15):

|          |                                                                           |
|----------|---------------------------------------------------------------------------|
| ECE 3601 | Reading and Language Arts in Early Childhood Education I (6)              |
| ECE 3606 | Science and Inquiry in Early Childhood Education (3)                      |
| ECE 3607 | Mathematics Methods in Early Childhood Education (3)                      |
| ECE 3662 | Classroom Management in Early Childhood Education Field Experience II (3) |

#### **Block 3**

Required concurrently (15):

|            |                                                                                                                                         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| ECE 3360   | Assessment of Classroom Learning in Early Childhood Education (3)                                                                       |
| ECE 3602   | Reading and Language Arts in Early Childhood Education II (3)                                                                           |
| ECE 3605   | Social Studies Methods in Early Childhood Education (3)                                                                                 |
| ECE 3663   | Classroom Management in Early Childhood Education Field Experience III (3)<br>(Students must earn a grade of “B” or higher in ECE 3663) |
| **EXC 4560 | Educational Evaluation of Students with Disabilities (3)                                                                                |
| **EXC 4590 | Functional and Social Methods for Students with Behavior/Learning Disabilities (3)                                                      |
| *MATH 3090 | Algebraic Concepts (3) (MATH 2008 is a prerequisite for this course)                                                                    |



Required prior to Area H (9):

MATH 3050    Geometry and Spatial Sense (3)    (MATH 2008 is a prerequisite for this course)

MATH 3070    Introduction to Probability and Statistics I (3) (MATH 2008 is a prerequisite for this course)

Select one (3):

AE 2300    Art and Music for Early Childhood (3)

MUS 2300    Art and Music for Early Childhood (3)

### **Area H. Student Teaching (12-15)**

All program requirements must be satisfactorily completed before students are authorized to enroll in student teaching. Students must complete student teaching coursework in Area H with a grade of “C” or higher.

Required (12):

ECE 4650    Opening School Experience (0) (Required to successfully complete during the first fall semester preceding student teaching.)

ECE 4661    Student Teaching (8-12)  
(P-5 concentration completes 12 hours; ECE/Special Education completes 9 hours)

\*\*EXC 4671    Educational Partnerships and Practicum II: Special Education General Curriculum: Consultative (3)

\*\* EXC 4570    Individual and Classroom Management (3)

Students must pass the appropriate GACE Content Assessment prior to graduation (see <http://www.gace.nesinc.com> for more information).

### **Area I. Minor**

Students majoring in Early Childhood Education do not have the option to take a minor.

**Total Program: minimum of 126 semester hours P-5 concentration/ 129 hours ECE/ special education concentration**

## **4210 Exercise Science**

### **Program Offered:**

#### **Bachelor of Science in Exercise Science**

Department of Kinesiology and Health

Sports Arena

404/651-2536

[kinhjc@langate.gsu.edu](mailto:kinhjc@langate.gsu.edu)

Andy Doyle, Chair

The B.S. major in Exercise Science prepares students for careers in corporate fitness, adult fitness, personal training, cardiac rehabilitation, and related fields. Also, preparation is provided in fitness management, program management, sports skills, and related topics.

### **Program Admission**

There are no admission requirements specific to the Bachelor of Science program. However, students are required to meet all University and College admission requirements.

### **Program Financial Information**

There are no special fees associated with majoring in Bachelor of Science in Education. However, B.S. majors must pay all tuition and fees charged by the University and the College.

### **Program Academic Regulations**

A grade of “C” or higher is required in all courses in Area G. A grade of “S” is required in all courses in Area H.

## Program Degree Requirements

### B.S. in Exercise Science

#### Areas A-E: Core Curriculum Recommendations

Students must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. MATH 1111 is a prerequisite for B.S. Exercise Science majors. The Department of Kinesiology and Health recommends that students take MATH 1111 in Area A.

Semester hours are shown in parentheses after an entry.

#### Area F. Courses Appropriate for a Major (18)

Required (18):

|           |                                                                                  |
|-----------|----------------------------------------------------------------------------------|
| BUSA 2106 | The Environment of Business (3)                                                  |
| EPY 2050  | Human Growth and Development (3)                                                 |
| IT 2010   | Computer Skills for the Information Age (3)                                      |
| KH 2130   | Introduction to the Allied Fields of Health, Physical Education, and Fitness (3) |
| KH 2220   | Musculoskeletal Function and Human Performance I (3)                             |
| KH 2230   | Musculoskeletal Function and Human Performance II (3)                            |

“C” or higher grade required for the remainder of the program.

#### Area G. Major Courses (54)

A grade of “C” or higher is required in all courses in Area G.

Required (48):

|           |                                                            |
|-----------|------------------------------------------------------------|
| KH 3000   | Personal Health and Wellness (3)                           |
| KH 3020   | Performance and Analysis Area II: Training and Fitness (2) |
| KH 3390   | Advanced First Aid and Emergency Care (3)                  |
| KH 3500   | Athletic Training and Conditioning (3)                     |
| KH 3550   | Exercise Science (3)                                       |
| KH 3600   | Biomechanics (3)                                           |
| KH 3610   | Motor Learning and Development (4)                         |
| KH 3650   | Physiology of Exercise (3)                                 |
| KH 4280   | Psychology of Physical Activity (3)                        |
| KH 4290   | Cardiopulmonary Physiology (3)                             |
| KH 4300   | Neuromuscular Physiology and Plasticity (3)                |
| KH 4350   | Fitness Program Management (3)                             |
| KH 4360   | Clinical Exercise Physiology (3)                           |
| KH 4600   | Advanced Biomechanics for Exercise Science (3)             |
| KH 4630   | Fitness Assessment and Exercise Prescription (3)           |
| NUTR 4960 | Nutrition and Physical Fitness (3)                         |

Electives (6):

Select two or more:

|                |                                                          |
|----------------|----------------------------------------------------------|
| BIOL 2240-2250 | Human Physiology (3) and Human Physiology Laboratory (1) |
| KH 3030        | Performance and Analysis Area III: Team Sports (2)       |
| KH 3040        | Performance and Analysis Area IV: Lifetime Sports (2)    |
| KH 3360        | Disability, Sport, and Physical Activity (3)             |
| PSYC 3450      | Health Psychology (3)                                    |
| NUTR 3100      | Nutrition and Health (3)                                 |
| NUTR 3200      | Introduction to Clinical Nutrition (2)                   |
| NUTR 3500      | Nutrition and Metabolism (3)                             |
| RCLS 4350      | Group Dynamics (3)                                       |
| RT 3005        | Clinical Cardiopulmonary Physiology (CPR) (3)            |
| SOCI 1101      | Introductory Sociology (3)                               |
| SOCI 4230      | Sociology of Health and Illness (3)                      |

(Other courses may be selected with consent of adviser.)

**Area H. Practicum (6 semester hours)**

A grade of “S” is required in all courses in Area H. This experience is established with the assistance of the program advisor.

Required (6):

KH 4750 Practicum in Exercise Science (1)

KH 4760 Internship in Exercise Science (5)

**Area I. Minor**

Students majoring in Exercise Science do not have the option to take a minor.

**Total Program: minimum of 120 semester hours**

## 4220 Health and Physical Education

### Programs Offered:

#### Bachelor of Science in Education in Health and Physical Education

Department of Kinesiology and Health

Sports Arena

404/651-2536

kinhjc@langate.gsu.edu

Andy Doyle, Chair

Program Theme: Teaching for Learning

The B.S.E. major in Health and Physical Education prepares graduates to teach integrated programs of health and physical education for pre-kindergarten through twelfth grade. Areas of emphasis include skill development and analysis, personal health assessment, pedagogical-disciplinary study, contemporary curriculum, instructional skills and models, and direct field experiences. The program features a field-based approach.

### Program Admission

Students are required to meet all University and College admission requirements. In addition, students must apply for teacher education prior to beginning the block courses (KH 4510, KH 4520, KH 4530, KH 4540, KH 4650) in Area G of the program. To be accepted into teacher education, students must have a 2.50 composite grade point average on all undergraduate coursework previously completed; students must have passed the GACE Basic Skills Assessment (see <http://www.gace.nesinc.com> for more information) or presented official scores to demonstrate exemption; students must have passed the Regent’s Test; students must consent to a criminal background check; students must show proof of tort liability; and students must participate in an interview and writing sample with program faculty.

Additional Teacher Education information is found in section 1600 of the catalog.

### Program Financial Information

B.S.E. majors must pay all tuition and fees charged by the University and the College. A lab fee of \$125 will be charged at the time students register for the student teaching experience. Educator preparation students must be aware that extra cost such as tort liability and transportation will be incurred at various times during the completion of various teacher education field experiences, particularly during the students’ senior year.

### Program Academic Regulations

Students must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. Courses in Area A must be completed with “C” or higher grades. A grade of “C” or higher is required in all courses in Areas F-H. Semester hours are shown in parentheses following an entry.

Entry into the program does not guarantee continuation in the program, graduation from the program and/or recommendation for certification even if all requirements have been met. Students may graduate from the program with a “C” without recommendation for certification even if the certification test has been passed.

Program candidates may be placed on a Professional Development Plan (PDP). The HPE faculty has many options to choose from for determining a PDP for individuals. These options may include but are not limited to retaking courses; taking additional courses; and taking speech or writing workshops.

As the courses progressively become more field-based, program faculty, cooperating teachers, and school administrators may also recommend that program candidates be placed on a PDP, removed from a course or removed from the program. The HPE program faculty has a personal and professional responsibility to ensure that the teacher candidates that enter and graduate from the program exhibit professional behaviors. The HPE faculty is obligated to follow university policy set forth in the following excerpt from the GSU catalog:

The Professional Education Faculty believes that all students who are in field experiences must be personally and psychologically equipped as well as academically prepared. Students may be denied entry to field experiences based on departmental prerequisites or the professional judgment of faculty based on observed performance and behavior. This policy is based on the premise that educators should be part of the evaluation of the students' ability to function adequately and safely in classrooms and those educators have a right and responsibility to make such judgments prior to placing students in schools. The practicum or student teaching supervisor has the authority to withdraw students from their classroom experience if their performance constitutes a detriment to the children in the class. If such removal is necessary, students will be given an F in each corresponding course.

\*Tort liability and criminal background check requirement: all students must show proof of tort liability insurance and consent to a criminal background investigation prior to enrollment in KH 3200 Instructional Skills for Health and Physical Education, 9-12 and at the time of application for student teaching (KH 4710 Student Teaching in Health and Physical Education, P-5, and KH 4720 Student Teaching in Health and Physical Education, 6-12). Students may obtain the appropriate forms from departmental advisers.

## **Program Degree Requirements**

### **B.S.E. in Health and Physical Education**

#### **Areas A-E: Core Curriculum Recommendations**

Students must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. Courses in Area A must be completed with "C" or higher grades.

Semester hours are shown in parentheses following an entry.

#### **Area F. Courses Appropriate for a Major (18)**

Students must complete coursework with a grade of "C" or higher in Area F prior to admission to teacher education.

Required (18):

|           |                                                                                  |
|-----------|----------------------------------------------------------------------------------|
| EDUC 2110 | Investigating Critical and Contemporary Issues in Education (3)                  |
| EDUC 2120 | Exploring Socio Cultural Perspectives on Diversity (3)                           |
| EDUC 2130 | Exploring Teaching and Learning (3)                                              |
| KH 2130   | Introduction to the Allied Fields of Health, Physical Education, and Fitness (3) |
| KH 2220   | Musculoskeletal Function and Human Performance I (3)                             |
| KH 2230   | Musculoskeletal Function and Human Performance II (3)                            |

#### **Area G. Major Courses (51)**

Students must apply for teacher education prior to beginning the block courses (KH 4510, KH 4520, KH 4530, KH 4540, KH 4650) in Area G. To be accepted into teacher education, students must have a 2.50 composite grade point average on all undergraduate coursework previously completed; students must have passed the GACE Basic Skills Assessment (see <http://www.gace.nesinc.com> for more information) or presented official scores to demonstrate exemption; students must have passed the Regent's Test; students must consent to a criminal background check; students must show proof of tort liability; and students must participate in an interview and writing sample with program faculty.

Students must complete coursework in Area G with a grade of "C" or higher.

#### *Content*

Required (35):

|         |                                                                        |
|---------|------------------------------------------------------------------------|
| KH 3000 | Personal Health and Wellness (3)                                       |
| KH 3010 | Performance and Analysis Area I: Movement and Rhythmics (3)            |
| KH 3020 | Performance and Analysis Area II: Training and Fitness (2)             |
| KH 3030 | Performance and Analysis Area III: Team Sports (2)                     |
| KH 3040 | Performance and Analysis Area IV: Lifetime Sports (2)                  |
| KH 3050 | Performance and Analysis Area V: Outdoors and Adventure Activities (2) |
| KH 3100 | Instructional Technology in Health and Physical Education (3)          |

|          |                                                                                                |
|----------|------------------------------------------------------------------------------------------------|
| KH 3410  | Assessment in Health and Physical Education (3)                                                |
| KH 3420  | Curriculum in Health and Physical Education (3)                                                |
| KH 3600  | Biomechanics (3)                                                                               |
| KH 3610  | Motor Learning and Development (4)                                                             |
| KH 3650  | Physiology of Exercise (3)                                                                     |
| KH 3700  | Sexuality Education Inclusive of Students with Special Needs/Disabilities (3)                  |
| EXC 4020 | Characteristics and Instructional Strategies for Student with Disabilities (3) (or equivalent) |

#### *Methods and Curriculum*

Required (16):

|          |                                                                                   |
|----------|-----------------------------------------------------------------------------------|
| KH 3200* | Instructional Skills for Health and Physical Education, P-12 (4)                  |
| KH 4510  | Contemporary Instructional Models for Pre-K and Elementary Physical Education (3) |
| KH 4520  | Contemporary Instructional Models for Secondary Physical Education (3)            |
| KH 4530  | Contemporary Instructional Models for Health Education (3)                        |
| KH 4540  | Contemporary Instructional Models for Adapted Physical Education (3)              |

#### **Area H. Practicum and Student Teaching (12)**

First Aid and CPR Proficiency: All students must have current certifications in First Aid and CPR (including infant, child, and adult) at the time of application to student teaching. Those certifications must remain current through the end of the student teaching term. Students may demonstrate this proficiency by attaining the appropriate certifications from the American Red Cross or by completing KH 3390 Advanced First Aid and Emergency Care (3).

Students must complete student teaching coursework in Area H with a grade of “C” or higher.

Required (12):

|         |                                                             |
|---------|-------------------------------------------------------------|
| KH 4650 | Opening School Experience (0)                               |
| KH 4710 | Student Teaching in Health and Physical Education, P-5 (6)  |
| KH 4720 | Student Teaching in Health and Physical Education, 6-12 (6) |

**Total Program: minimum of 127 semester hours**

## 4230 Certification Only Programs

### 4230.10 Endorsement for Teacher Certification (ESOL)

#### English to Speakers of Other Languages (ESOL) Endorsement

Department of Early Childhood Education

550 College of Education Building, 404/651-2584

<http://education.gsu.edu/ece/>

Barbara Meyers, Chair

The Department of Early Childhood Education offers elective undergraduate courses in the area of English to Speakers of Other Languages (ESOL) to provide teacher candidates with additional training to work with non-English-speaking or limited-English-speaking students at early childhood, middle childhood, and secondary school levels. The English to Speakers of Other Languages (ESOL) endorsement, issued by the Professional Standards Commission (PSC) of the State of Georgia qualifies individuals to work with English language learners (ELL) in Georgia’s public schools.

Students must meet admission to teacher education criteria for Early Childhood Education major to be eligible to take these endorsement courses. Successful completion of the following three courses and completion of an initial certification bachelor’s degree will qualify the candidate for the English to Speakers of Other Languages (ESOL) endorsement at the baccalaureate level (initial certification):

|          |                                               |
|----------|-----------------------------------------------|
| ECE 3250 | ESOL: Language Acquisition and Assessment (3) |
| ECE 3255 | ESOL: Cultural Foundations (3)                |
| ECE 3440 | ESOL: Curriculum and Instruction (3)          |

**Total hours for endorsement: minimum of 9 semester hours**

## 4230.15 Endorsement for Teacher Certification (P-5)

### P-5 Mathematics Endorsement

Department of Early Childhood Education  
550 College of Education Building, 404/651-2584  
<http://education.gsu.edu/ece/>  
Barbara Meyers, Chair

The Department of Early Childhood Education and the Department of Mathematics offers a P-5 Mathematics Endorsement Program for undergraduate Early Childhood Education majors. This endorsement program enables teachers who successfully complete the four course sequence to have a mathematics endorsement added to their P-5 teaching certification and to enhance their preparation for teaching mathematics in diverse elementary settings.

MATH 2008 Foundations of Numbers and Operations (3)  
MATH 3050 Geometry and Spatial Sense (3)  
MATH 3070 Introduction to Probability and Statistics (3)  
MATH 3090 Algebraic Concepts (3)

**Total hours for endorsement: minimum of 12 semester hours**

## 4230.20 Initial Certification Special Education

### Special Education General Curriculum: Consultative

Department of Educational Psychology and Special Education  
835 College of Education Building, 404-651-2310  
<http://education.gsu.edu/epse/>  
Peggy Gallagher, Chair

This is an initial certification program for students in an undergraduate degree program at Georgia State University that has a cooperative dual certification agreement with the Department of Educational Psychology and Special Education. Students seeking admission to this initial certification program, must have a minimum cumulative GPA of 2.5 and have passing scores on the GACE Basic Skills Assessment (see <http://www.gace.nesinc.com> for more information) or be exempt based on equivalent SAT, ACT or GRE scores. Undergraduate students at Georgia State University must meet the requirements jointly set by their major department and the Department of Educational Psychology and Special Education.

Students who do not satisfactorily pass a course must retake the course and satisfactorily pass the course prior to taking additional courses in the program. Courses may be repeated once.

The sequence of required certification courses are as follows:

EPY 2050 Human Growth and Development (3)  
EXC 4010 Characteristics of Students with Disabilities (3)  
EXC 4560 Educational Evaluation of Students with Disabilities (3)  
EXC 4570 Individual and Classroom Management (3)  
EXC 4580 Instructional Methods for Students with Behavior Learning Disabilities (3)  
EXC 4590 Functional and Social Methods for Students with Behavior Learning Disabilities (3)  
EXC 4661 Practicum I: Special Education General Curriculum: Consultative (3)  
EXC 4671 Educational Partnerships and Practicum II: Special Education General Curriculum: Consultative (3)

**Total hours for certification: 24 semester hours**

## 4230.30 Initial Certification (Trade and Industry)

### Trade and Industrial Education

### Health Occupations Education Certification

Department of Middle-Secondary Education and Instructional Technology  
639 College of Education Building, 404/651-2510  
<http://msit.gsu.edu>  
Steve Harmon, Associate Chair

The department offers undergraduate courses to allow individuals from specific areas of industry, business, or health to become teachers at secondary schools based on occupational experience in the field and the minimum educational level required



for the field. Applicants to this program have qualified for the provisional (BT) teaching certificate in Georgia and are required to complete an approved program for the professional renewable certificate. These programs lead to initial certification only.

Successful completion of the following courses qualifies a person for the NT- or T-level certificate, depending upon the current level of certification. The program presupposes certification at least at the provisional level. Students are admitted through a special application process; they may take these courses either as non degree or degree-seeking students. GACE Basic Skills Assessment (see <http://www.gace.nesinc.com> for more information) is required for certification at the T-4 level and above. Contact the Department of Middle-Secondary Education and Instructional Technology (404/651-2510) for additional information.

Required (21):

|           |                                                                                 |
|-----------|---------------------------------------------------------------------------------|
| EDBT 3020 | Instructional Development in Technology/Career Education (3)                    |
| EDBT 3360 | Foundations of Management and Safety in Technology/Career Education (3)         |
| EDBT 3690 | Teaching Practicum in Technology/Career Education (3)                           |
| EDBT 3700 | Teaching Practicum in Technology/Career Education (3)                           |
| EDBT 3710 | Teaching Practicum in Technology/Career Education (3)                           |
| EDBT 4250 | Principles and Practices in Technology/Career Education (3)                     |
| EXC 4020  | Characteristics and Instructional Strategies for Students with Disabilities (3) |

Select one (3):

|           |                                                             |
|-----------|-------------------------------------------------------------|
| EDBT 4370 | Instructional Management in Technology/Career Education (3) |
| EDBT 4570 | Instructional Strategies in Technology/Career Education (3) |

**Total hours for certification: minimum of 24 semester hours**

## 4240 Graduate Degree Programs

The College of Education offers the following graduate degree programs:

**Master of Arts in Teaching:** Behavior/Learning Disabilities; Early Childhood Education—Urban Accelerated Certification and Master's Program; English Education; Mathematics Education; Middle Childhood Education (Language Arts, Mathematics, Reading, Science, Social Studies); Multiple and Severe Disabilities (Adapted Curriculum, Deaf Education, General Curriculum, Early Childhood Special Education General Curriculum, Physical and Health Disabilities, Special Education Preschool); Reading, Language, and Literacy Education (English for Speakers of Other Languages), Science Education; Social Studies Education.

**Master of Education:** Behavior/Learning Disabilities; Communication Disorders; Early Childhood Education; Educational Leadership; English Education; Health and Physical Education; Mathematics Education; Middle Childhood Education (Health, Language Arts, Mathematics, Reading, Science, Social Studies); Multiple and Severe Disabilities (Adapted Curriculum, Deaf Education, General Curriculum, Early Childhood Special Education General Curriculum, Physical and Health Disabilities, Special Education Preschool); Reading, Language, and Literacy Education (Reading Instruction, Early Literacy, Teaching English as a Second Language); School Counseling (Elementary/Middle Grades School Counseling, Secondary School Counseling); School Psychology; Science Education; Social Studies Education

**Master of Library Media:** Library Media Technology

**Master of Science:** Educational Psychology; Educational Research; Exercise Science (Fitness and Health Promotion, Exercise Physiology, Occupational and Sport Biomechanics); Instructional Design and Technology; Professional Counseling; Rehabilitation Counseling; Social Foundations of Education; Sports Administration (Facilities Management; School, College, and Professional Sports Management; Sports Clubs and Fitness Management; Sports Information; Sports Marketing and Promotion); Sports Medicine; Urban Teacher Leadership.

**Specialist in Education:** Early Childhood Education; Educational Leadership; Professional Counseling; School Counseling (Elementary, Middle, Secondary); School Psychology; Teaching and Learning (Art Education, English Education, English as a Second Language, Foreign Language Education, Instructional Technology, Library Media Technology, Mathematics Education, Middle Childhood Education, Music Education, Reading Education, Science Education, Social Studies Education).

**Doctor of Philosophy:** Counseling Psychology; Counselor Education and Practice; Early Childhood Education; Education of Students with Exceptionalities (Behavior Disorders, Learning Disabilities, Mental Retardation, Orthopedic Impairments, Sensory

Impairments, Special Education/Early Childhood Education); Educational Policy Studies (Educational Leadership; Research, Measurement, and Statistics; Social Foundations of Education); Educational Psychology; Instructional Technology (Alternative Instructional Delivery Systems, Instructional Design, Library Media Technology, Management, Research, and Consulting); Kinesiology (Biomechanics, Exercise Physiology, Physical Rehabilitative Science); School Psychology; Sport Science (Biomechanics, Exercise Physiology, Physical Rehabilitative Science); Teaching and Learning, (Art Education, Language and Literacy Education, Mathematics Education, Music Education, Science Education, Social Studies Education).

. Information concerning the graduate programs is contained in the university's Graduate Catalog and is available on the Internet at <http://education.gsu.edu> and from the Office of Academic Assistance and Graduate Admissions, 300 College of Education Building, Georgia State University, Atlanta, GA 30303-3083, 404/651-2540.

# 5000 College of Health and Human Sciences

## 5010 General Information

The College of Health and Human Sciences is committed to the preparation of health and human science professionals and offers undergraduate, graduate, and certificate programs that prepare students for careers in the health and human science professions. The programs are designed to meet the health and human service needs of the citizens of Georgia. Classes and practicum experiences are designed to foster involvement in the urban community. The programs are responsive to the needs of both full-time and part-time students and to students entering both first and second careers. Courses are taught in traditional classroom format, in clinical facilities, and by web-based instruction. Graduates of the programs are prepared for entry-level positions in their profession, for continuation of their education in advanced degree programs, and for making a positive impact on the health and well being of the citizens of Georgia.

### 5010.10 Office of the Dean

816 Urban Life Center

404/651-3032

<http://chhs.gsu.edu>

Susan J. Kelley, Dean

Christine A. Rosenbloom, Associate Dean for Academic Affairs

Jan Ligon, Associate Dean for Research

### 5010.20 Mission

The mission of the College of Health and Human Sciences is to engage in teaching, scholarly endeavors, and service activities that improve health and well-being and address social justice issues within a multi-cultural society. This is accomplished through a unique professional and academic interdisciplinary environment and a community-focused approach that enriches student learning, fosters leadership development, and furthers the pursuit of science.

### 5010.30 Accreditation

The baccalaureate program in the Byrdine F. Lewis School of Nursing is approved by the Georgia Board of Nursing and is accredited by the Commission on Collegiate Nursing Education. The Commission on Accreditation of Allied Health Education Programs accredits the baccalaureate program in the Division of Respiratory Therapy in collaboration with the Committee on Accreditation for Respiratory Care. The Didactic Program in Dietetics in the Division of Nutrition is accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association. The Council on Social Work Education accredits the baccalaureate program in the School of Social Work.

### 5010.40 Degree Programs

The College of Health and Human Sciences offers a Bachelor of Science degree with majors in criminal justice, nursing, nutrition and dietetics, and respiratory therapy, and a Bachelor of Social Work degree.

### 5010.50 Facilities and Services

#### College of Health and Human Sciences Student Computer Lab

The College of Health and Human Sciences manages a computer laboratory that serves undergraduate and graduate students with majors in the health and human sciences. This computer laboratory contains networked computer workstations, printers and wireless notebook computers preloaded with software related to the health and human science professions.

In addition to standard productivity software, College of Health and Human Sciences students have access to specialized software related to anatomy, physiology, nutrition assessment, drug-interactions, food science, criminal justice trends, social work case management, diet analysis, school nurse assistance, patient care assessment work sheets, charge nurse staffing, psychiatric nurse documentation, and electronic medical record documentation.

Graduate laboratory assistants supervise the computer laboratory, located in Room 933 Urban Life, during the operation hours of 9:00 a.m. to 7:30 p.m. on Monday through Thursday and from 9:00 a.m. to 5:00 p.m. on Friday. Hours of operation are subject to change.

## **5010.60 Academic Units**

### **Department of Criminal Justice**

1281 Urban Life Building

404/651-3515

<http://www.cjgsu.net>

Richard J. Terrill, Acting Chair

Faculty: Blackwell, Camp, Collins, Dabney, Finn, Friedmann, Pogorzelski, Reed, Terrill, Topalli, Warner

### **Institute of Public Health**

848 Urban Life Building

404/651-4133

<http://publichealth.gsu.edu>

Michael P. Eriksen, Sc.D., Director

Faculty: Eriksen, Gieseke, Hepburn, Kreuter, Okosun, Shendell, Toal

### **School of Health Professions**

1228 Urban Life Building

404-651-3091

<http://chhsweb.gsu.edu/shp/>

Lynda T. Goodfellow, School Director

#### **Division of Nutrition**

862 Urban Life Building

404/651-3085

<http://chhs.gsu.edu/nutrition>

Mildred M. Cody, Division Head

Faculty: Baxter, Benardot, Cody, Hopkins, Kicklighter, Penumetcha, Roman, Rosenbloom, Thompson

#### **Division of Physical Therapy**

1228 Urban Life Building

404/651-3091

<http://chhs.gsu.edu/pt>

Leslie F. Taylor, Division Head

Faculty: Donnelly, Flynn, Michael, Taylor, Thompson, Tieman, Tunney, Wang, Warren

#### **Division of Respiratory Therapy**

1228 Urban Life Building

404/651-3091

<http://chhs.gsu.edu/rt>

Lynda T. Goodfellow, Division Head

Faculty: Ari, Gardenhire, Goodfellow, Harwood, Powell, Sheard, Zimmerman

### **Byrdine F. Lewis School of Nursing**

960 Urban Life Building

404/651-3040

<http://chhs.gsu.edu/nursing>

Barbara Woodring, Director

Faculty: Aycock, Bacon, Baldwin, Bates, Browning, Carmon, Chen, Clark, Cranwell-Bruce, DiFalco, Doerr, Eastman, Gaines, Gebhardt, Gordon, Grantham, Grindel, Hayes, Hewell, Horne, Howell, Kassens, Kelley, Kimble, Koci, Lee, Meinersmann, Minick, Moloney, Schippit, Tice, Williams, Wold, Woodring

### **School of Social Work**

1242 Urban Life Building

404/651-3526

<http://www.gsu.edu/socialwork>

Nancy P Kropf, Director

Faculty: Beck, Breedlove, Brooks, Dear, East, Ivery, Klausner, Kropf, Ligon, Littrell, Lyons, Ohmer, Scott, Wertheimer, Whitley, Whitten, Wolk

## **5010.70 Admission to Professional Programs**

Acceptance to Georgia State University into a major in the College of Health and Human Sciences allows a student to take prerequisite course work leading to a professional program. A separate application process through the individual school or division is required for acceptance into the professional programs in nursing, nutrition, respiratory therapy and social work. No separate admission is required in the criminal justice program.

The professional programs in nutrition, respiratory therapy, and social work begin annually in the fall semester only. The professional program in nursing begins semi-annually in the fall and spring semesters. Admission to these programs is highly competitive, and students are encouraged to inquire about admission criteria, policies, and deadlines as soon as possible. Admission information and requirements for each program are included in the section on the major.

It is highly recommended that a student wishing to enter the programs in nursing, nutrition, and respiratory therapy take one year of biology and one year of chemistry in high school.

Applicants for admission to the professional programs in nursing, nutrition, respiratory therapy, and social work must be able to demonstrate prior to admission an ability to meet certain technical standards of performance which are necessary to carry out their activities as health and human service professionals. They must demonstrate the functional use of their senses that will allow them to elicit appropriate information, as well as to perceive nonverbal communications from patients or clients whom they are serving. They must be able to communicate effectively and efficiently in oral and written form. Additionally, each applicant should be able physically to provide reasonable care and emergency treatment when necessary.

The schools and divisions in the College of Health and Human Sciences reserve the right to require the withdrawal of any student at any time in order to preserve and maintain the program's standards of scholarship and conduct.

International applicants to the professional programs whose native language is not English, regardless of language of instruction, may be required to submit acceptable results from an English proficiency examination.

Each school or division may require other, more specific, technical abilities in its consideration of candidates for admission to its program.

## **5020 College Academic Regulations**

### **5020.10 Credit for Transfer Work**

The specific credit for work done at other institutions that may apply toward a degree from the College of Health and Human Sciences is determined by the Undergraduate Admissions Office, the Student Advisement Center, the Office of Academic Assistance, and, if appropriate, the school or department concerned. Allowance of transfer credit by the Office of Admissions does not mean necessarily that all such credit will be accepted toward a degree from the College of Health and Human Sciences.

### **5020.20 Credit for Transient Work**

Students in the College of Health and Human Sciences who wish to take course work at another college must have prior written approval from the Office of Academic Assistance if they wish to apply that credit to a degree program. The student must be in good academic standing at Georgia State University. Transient approval will not be granted to take courses at Atlanta-area colleges when the course is readily available at Georgia State. Please consult the "Academic Regulations" section of this catalog for additional regulations pertaining to transient status.

### **5020.30 Clinical, Field Experience, or Internship**

As part of the degree completion requirements for some of the programs in the College of Health and Human Sciences, the student will be placed in a clinical setting which requires the student to care for and/or be exposed to individuals and patients of all ages and with a variety of diagnoses and symptoms, some of which are communicable and infectious. However, unless otherwise required by law, the Georgia State University College of Health and Human Sciences does not grant special consideration or waiver of any degree completion requirements, including placement in a clinical setting.

Please note that some majors must complete a clinical program, field experience or internship during their program. Some students will be placed with a clinical affiliate that gives care to vulnerable populations or deals with sensitive information. As a result, the affiliate may request a criminal background check and/or drug screen as a prerequisite for placement. If students use illegal drugs, have a criminal record before they declare their major, or acquire a criminal record after declaring their major, they might be prohibited from participating in the clinical program, field experience or internship. Because the program or internship is a requirement, the student might be prevented from completing the degree program. Students are referred to the College's Statement on Criminal Background Checks and Drug Screens at <http://chhs.gsu.edu>.

## 5020.40 Graduation

Coursework with a grade of D can satisfy no more than 12 semester hours of degree requirements. A minimum grade of C is required in all major courses, including HHS courses. Certain programs may require a grade of C or higher in other courses as well. A 2.00 grade point average is required for graduation.

Any deviations from catalog requirements are unauthorized except by approval of the department, school or division, or by written petition filed through the Office of Academic Assistance and properly approved by the appropriate committee.

Please note that licensing boards or agencies for program-related occupations may deny, suspend or revoke a license if an applicant has a criminal history or licensee is convicted, pleads guilty or *nolo contendere* to a felony or other crime. Students should consult the licensing board corresponding to their intended occupations for more details. Successful completion of a program of study in the College of Health and Human Sciences does not guarantee licensure, certification, or employment in the relevant occupation.

## 5030 College Degree Requirements

All undergraduate programs offered by the College of Health and Human Sciences are designed to comply with the University System of Georgia core curriculum requirements. The program requirements for Undergraduate Core Curriculum Areas A through E are listed in the "Core Curriculum" chapter of this catalog. Recommendations of specific courses in the core curriculum for programs offered by the College of Health and Human Sciences are listed below as well as in each program section. Area F requirements for the major and other course requirements are found in the sections of this chapter which describe the specific major.

### 5130.10 Core Curriculum Recommendations

**Area B: Institutional Options:** It is recommended that nursing majors take Phil 1010 as one of the two required courses.

**Area C: Humanities and Fine Arts:** It is recommended that nursing majors take Spanish 1002 as one of the two required courses.

**Area D: Science, Mathematics and Technology:** It is strongly recommended that nursing, nutrition, and respiratory therapy majors take Chem 1151K and 1152K. It is recommended that social work majors take Biol 1103K – 1104K. If not, Biol 1103K or Biol 1110K must be taken in Area H electives.

**Area E: Social Sciences:** It is strongly recommended that nursing majors take Psyc 1101 as the social science foundations selection. It is recommended that criminal justice majors take CrJu 2200 as the social science foundations selection.

## 5040 College Academic Advisement

The College of Health and Human Sciences is committed to providing advisement, counseling, and referrals to help students achieve academic success. Students in the College receive advisement from faculty members in their department, school or division as well as from advisers in the Office of Academic Assistance. Students in the pre-professional program status are advised in the Office of Academic Assistance until entry into the professional program when they are advised in the school or division.

### 5040.10 Office of Academic Assistance

811 Urban Life Center

404/651-3064

Felisha L. Norrington, Director

William R. Andrews, Senior Academic Adviser

Kerry Fraatz, Academic Adviser

Grace Gipson, Academic Adviser

Leigh Walling, Senior Academic Adviser



The services of the Office of Academic Assistance include providing programs of study, evaluating transfer credit, assisting in course selection and schedule revisions, and providing information on college and university policies. Students are advised by appointment except during walk-in times that are provided for brief questions. Walk-in advisement is 10:00 a.m. to 11:00 a.m. on Tuesday and Wednesday, and 3:00 p.m. to 4:00 p.m. on Wednesday and Thursday. Additional walk-in hours are available during the first week registration for each term. The office is open from 8:30 until 5:15 on Monday, Thursday and Friday, and 8:30 until 6:00 on Tuesday and Wednesday.

## 5050 Appeals and Petitions Procedures (See Addendum)

~~The appeals procedures for students in the College of Health and Human Sciences are available in the Office of Academic Assistance, 811 Urban Life, or on the Web at <http://chhs.gsu.edu/appeals.asp>. The Student Appeals Policy and Procedure provides for an impartial review of a grading decision that cannot be resolved between the student and instructor. The Student Petition for Waiver provides students with the procedure to follow if they wish to petition for a waiver of established policy and procedure from curricular and/or programmatic requirements. All students may obtain assistance in interpretation of appeals policies and procedures from the Associate Dean for Academic Affairs.~~

## 5060 Honors and Awards

**Byrdine F. Lewis School of Nursing:** The Byrdine F. Lewis School of Nursing awards various scholarships to students enrolled in the school of nursing both Fall and Spring Semesters. The scholarships are available to both the traditional and the accelerated students. They can be used for tuition, student fees, books and living expense. Information about a particular scholarship and the guidelines for applying can be found on the Scholarship page of the Byrdine F. Lewis School of Nursing Web site under current students.

**Criminal Justice Undergraduate Academic Honor Student Award:** This award is presented to the student who has maintained the highest grade point average in the undergraduate criminal justice program in his or her senior year.

**Chris Perrin Memorial Scholarship:** This award was established by the Georgia Council of Juvenile Court Judges in honor of Chris Perrin, a long-time advocate for children, executive director of the council and an alumnus of Georgia State University. This award, shared by the Department of Criminal Justice and the School of Social Work, is given annually to one social work and criminal justice student.

**Diane B. Davis Award:** This is the highest academic award/honor the School of Social Work gives to a BSW student. The award is given to a graduating Bachelor of Social Work student who has earned a minimum grade point average of 3.75 and who has demonstrated outstanding performance in field and expressed commitment to the social work profession.

**Evangeline B. Lane Founders Award:** This award is given to all graduating senior students in nursing who have a 3.5 overall average in those courses required for the bachelor of science degree in nursing and a 3.67 average in the nursing courses.

**James L. Maddex, Jr. Scholarship:** This scholarship was established in honor of Dr. James L. Maddex, Jr., Professor Emeritus of Criminal Justice, who retired in 2000. The merit-based scholarship is awarded to an undergraduate or graduate criminal justice student.

**Johnnie W. Prothro Academic Excellence Award:** This award is given to an undergraduate nutrition student who has achieved a high level of academic excellence in the nutrition program. The faculty in the Division of Nutrition selects the recipient who receives a gift certificate for book purchase.

**Marshall L. Bowie College of Health and Human Sciences Scholarship:** Two scholarships are awarded to students enrolled in the college based on academics, community services, and involvement in the College of Health and Human Sciences and Georgia State University.

**Narviar C. Barker Scholarship:** This award was created in honor of Dr. Narviar C. Barker, a former professor, department chair and BSW program director in the School of Social Work. This honor is awarded to a senior BSW student with at least a 2.75 GPA who has demonstrated a commitment to social advocacy, social justice and family empowerment.

**Respiratory Care Academic Achievement Award:** This award is given to the graduating senior with the highest grade point average achieved in the respiratory therapy program.

**Respiratory Care Clinical Excellence Award:** the faculty in the Division of Respiratory Therapy gives this award to the graduating senior who has displayed outstanding performance in his or her clinical rotations.

**Respiratory Care Faculty Recognition Award:** This award, sponsored by Mallinckrodt, Inc., is for a graduating senior in the respiratory therapy program. The award is intended to recognize the student who, in the opinion of the faculty of the Division of Respiratory Therapy, exhibits a positive professional attitude and a willingness to serve the needs of classmates, the community, and the profession of respiratory therapy.

**Robert Hinrichs Memorial Scholarship:** Created in honor of Robert Hinrichs, an administrator with the Social Security Administration Office, this is the highest academic award/honor the School of Social Work gives to an MSW student.

**Social Work Honors:** Awarded to up to three graduating BSW students with a minimum of 3.0 grade point average whose performance in field practicum is above and beyond the expected requirements. Students who show initiative and creativity in their field placement and who have followed all of the field requirements as specified in the *Field Manual* are given highest consideration for the awards of \$150 each.

**Wanda K Cardwell Memorial Award:** This award was created in memory of Wanda Cardwell, a BSW and MSW graduate of Georgia State University. The award is given to a BSW and/or MSW student who has shown perseverance in obtaining their social work degree despite obstacles.

The schools, departments and divisions in the College of Health and Human Sciences may award honors. Criteria for honors are listed below:

1. Students must be recommended and approved by a school or departmental faculty committee.
2. The residence requirements for graduation from Georgia State University must be fulfilled. No courses exempted or validated by examination are considered as being taken in residence.
3. The following grade point average requirements must be met:
  - a. A minimum overall accumulated grade point average of 3.0 in all courses excluding professional program courses. This includes all courses applied toward the degree including courses transferred in.
  - b. An accumulated grade point average of at least 3.5 in all professional program courses.
  - c. Accumulated grade point average will be calculated on courses that apply to the degree including courses transferred in from other schools.
4. Career-related projects, over and above the requirements for graduation, must be designed and completed by the student with approval of the school or department. The projects, or at least the written part of the projects, will be kept on record in the Office of the Dean.

## 5110 Criminal Justice

### Program Offered:

#### B.S. in Criminal Justice

Department of Criminal Justice  
1201 Urban Life Building, 404/651-3515  
<http://www.cjgsu.net>  
Richard J. Terrill, Acting Chair

The term “criminal justice” refers to public safety agencies, courts, and corrections as a system for the administration of city, county, state, and federal laws. The curriculum also focuses on the causes of crime and theoretical explanations relating to the crime problem. The Department’s curriculum is designed to provide students with a liberal arts education that focuses upon basic skills such as the ability to read critically, to write clearly, to speak effectively, and to think analytically. The criminal justice curriculum in this department represents a broad range of study designed to meet the academic needs of both pre-professional students and those already employed in a wide range of agencies that make up the criminal justice and juvenile justice systems.

Both the justice system and the causes and consequences of criminal behavior are the focus of this program of study. The juvenile or adult who is accused of conduct that violates the law will be affected by law enforcement, prosecutorial, judicial, and correctional agencies. The requirements of degree programs in this department stress an integrated view of the criminal justice system. In this view all components of the system interrelate with all other components to provide coordinated justice administration. The criminal justice curriculum is designed to give students an understanding of the developing theoretical knowledge base in this field of study while simultaneously providing an understanding of how each of the component parts relate to one another. Additionally, students learn how the justice system influences and is influenced by other institutions in society.

Student’s learning in the classroom is enhanced as faculty bring forth a myriad of expertise in criminal justice and criminology. Currently, faculty research topics highlight legal issues in the criminal justice system; the impact of race, sex, and class in criminal justice processing; communities and police; evaluation of criminal justice programs; comparative criminal justice; crime and the media; domestic terrorism; healthcare fraud; crime in organizations; juvenile delinquency; criminological theory; and the role of aggression in crime and delinquency. Faculty conduct research drawing on their expertise in a variety of quantitative and qualitative research methods, thus allowing them to bring not only their topical expertise, but also their methodological experience, into the learning environment.

Degree programs offered through the Department of Criminal Justice include Bachelor of Science in criminal justice and Master of Science in criminal justice. The bachelor’s degree program complies with the core curriculum requirements of the University System of Georgia.

## Program Admission

There are no admission requirements specific to the Bachelor of Science degree program in Criminal Justice beyond the admission requirements to the University. A student should complete the lower-division core curriculum requirements prior to taking upper-division courses. To enroll in 3000/4000-level Criminal Justice courses, students must have a 2.00 grade point average at Georgia State University.

## Program Financial Information

No special fees are associated with the Bachelor of Science degree program in Criminal Justice. Students must pay all tuition and fees required by the University.

## Program Academic Regulations

1. A grade of C or higher is required in CrJu 1100 (or equivalent transfer course) and all 3000/4000-level Criminal Justice courses at Georgia State University (GSU). A grade of C or higher is required in all courses in Areas G-L.
2. A minimum 2.00 cumulative grade point average at GSU is required to register for 3000/4000-level criminal justice courses. There are no exceptions to this policy.
3. A minimum of 45 semester hours (15 courses) must be completed in 3000/4000-level criminal justice courses at Georgia State University. HHS 3000 is included in the 45 hours; CrJu 1100/3100 and CrJu 2200 are **not** included.
4. The Department of Criminal Justice believes that all students who are in internship experiences (class and field) must be personally and psychologically equipped as well as academically prepared. A student may be denied entry into internship field experience based on departmental prerequisites or the professional judgment of faculty based on observed performance, behavior, or documentation which indicates erratic, unpredictable, or unsuitable conduct. This policy is based on the premise that criminal justice faculty should be part of the evaluation of a student's ability to function adequately and safely in a criminal justice setting and that faculty has a right and responsibility to make such judgments prior to placing a student in an internship. The internship coordinator has the authority to withdraw a student from a classroom and/or field experience (i.e., CrJu 4930, CrJu 4940) if the student's performance constitutes a detriment to the students in the class and/or to personnel at the field internship site. If such removal is necessary, the student will be given an F for the course(s).
5. All completed applications and contracts must be turned in to the Department of Criminal Justice by the following dates in order to be considered for an internship that particular semester. **There will be no exceptions.** January 15 for summer semester; March 15 for fall semester; September 15 for spring semester.
6. Please note that all criminal justice majors must complete an internship during their final semester in the program. Some students will select placement with an agency that deals with sensitive information. As a result, a background check might be a requirement for placement. Background checks include prior arrests and convictions, abuse of illegal drugs, and DUI convictions. If students have a criminal record either before they declare their major or acquire a criminal record after declaring their major, they might be prohibited from participating in the internship. Since the internship is a requirement, they might be excluded from the degree program.
7. The Department has two options from which students must choose: the Crime and Justice Track or the Legal Track. The Crime and Justice Track includes the traditional curriculum for criminal justice majors. The Legal Track is designed for criminal justice majors who are interested in an intensive exposure to law in preparation for law school. Students who fail to choose a track will automatically be placed in the Crime and Justice Track.

## Program Degree Requirements:

### Crime and Justice Track

Requirements for Areas A through E of the undergraduate core curriculum are listed in the "Core Curriculum" chapter of this catalog. Semester hours are shown in parentheses following an entry. Area I courses can fulfill Area J requirements. Courses from Areas I and J can fulfill Area L requirements.

**Area E:** CrJu 2200 is recommended as the Social Science Foundations course.

### Area F: Courses Related to the Program of Study (18)

|           |                                        |
|-----------|----------------------------------------|
| CrJu 1100 | Introduction to Criminal Justice (3)   |
| Anth 1102 | Introduction to Anthropology (3)       |
| Phil 2010 | Great Questions of Philosophy (3)      |
| Psyc 1101 | Introduction to General Psychology (3) |
| Soci 1101 | Introduction to Sociology (3)          |
| Elective: | Any elective (3)                       |

**Area G: Criminal Justice Core (15)**

- CrJu 3110 American Police System (3)
- CrJu 3310 Corrections (3)
- CrJu 3410 Criminology (3)
- CrJu 3700 Judicial System (3)
- HHS 3000 Communication/Cultural Diversity (3)

**Area H: Methods of Analysis (6)**

- CrJu 3020 Research Methods in Criminal Justice (3)
- CrJu 3610 Criminal Justice Statistics (3)

**Area I: Legal Issues (6); select two**

- CrJu 3710 Legal Issues in Law Enforcement (3)
- CrJu 4710 Legal Issues in Corrections (3)
- CrJu 4760 Adjudication of Criminal Cases (3)
- CrJu 4770 Legal Liabilities of CJ Personnel (3)
- CrJu 4780 Criminal Law (3)
- CrJu 4910 Selected Legal Issues in CJ (3)

**Area J: Criminal Justice Issues (12); select four**

- CrJu 3030 Criminal Justice Planning (3)
- CrJu 3070 Race and the Criminal Justice System (3)
- CrJu 3210 Juvenile Delinquency (3)
- CrJu 3350 Correctional Institutional Systems (3)
- CrJu 4010 Gender in Criminal Justice (3)
- CrJu 4030 Origins of Criminal Justice (3)
- CrJu 4040 Comparative Criminal Justice (3)
- CrJu 4060 Ethics in Criminal Justice (3)
- CrJu 4070 Family Violence and Criminal Justice (3)
- CrJu 4080 Crime and the Media (3)
- CrJu 4110 Principles of Investigation (3)
- CrJu 4210 Juvenile Justice System (3)
- CrJu 4230 Prevention and Correctional Strategies for Juvenile Offenders (3)
- CrJu 4350 Correctional Alternatives (3)
- CrJu 4360 Counseling & Supervising Offenders (3)
- CrJu 4410 Advanced Criminology (3)
- CrJu 4420 Crime Typologies (3)
- CrJu 4430 Crime at Work (3)
- CrJu 4500 Criminal Justice Management (3)
- CrJu 4920 Community Policing (3)
- CrJu 4960 Domestic Terrorism (3)
- CrJu 4900 Selected Topics in Criminal Justice (3)
- CrJu 4990 Readings in Criminal Justice (3)

**Area K: Capstone: Internship (6)**

- CrJu 4930 Internship Seminar in Criminal Justice (3)
- CrJu 4940 Criminal Justice Field Instruction (3)

**Area L: Electives (15)**

Students choose 15 credit hours from Criminal Justice courses or courses from other departments. Note: The 45-hour requirement in Criminal Justice courses at GSU must be met (see “Program Academic Regulations” #3, section 5110.30).

**Total Program Hours Required: a minimum of 120 semester hours**

**Legal Track**

Requirements for Areas A through E of the undergraduate core curriculum are listed in the “Core Curriculum” chapter of this catalog. Semester hours are shown in parentheses following an entry. Area I courses can fulfill Area J requirements. Courses from Areas I and J can fulfill Area L requirements.

**Area E:** CrJu 2200 is recommended as the Social Science Foundations course.

**Area F: Courses Related to the Program of Study (18)**

CrJu 1100 Introduction to Criminal Justice (3)  
Anth 1102 Introduction to Anthropology (3)  
Phil 2010 Great Questions of Philosophy (3)  
Psyc 1101 Introduction to General Psychology (3)  
Soci 1101 Introduction to Sociology (3)  
Elective: Any elective (3)

**Area G: Criminal Justice Core (15)**

CrJu 3110 American Police System (3)  
CrJu 3310 Corrections (3)  
CrJu 3410 Criminology (3)  
CrJu 3700 Judicial System (3)  
HHS 3000 Communication/Cultural Diversity (3)

**Area H: Methods of Analysis (6)**

CrJu 3020 Research Methods in Criminal Justice (3)  
CrJu 3610 Criminal Justice Statistics (3)

**Area I: Legal Issues (15); select five**

CrJu 3710 Legal Issues in Law Enforcement (3)  
CrJu 4710 Legal Issues in Corrections (3)  
CrJu 4760 Adjudication of Criminal Cases (3)  
CrJu 4770 Legal Liabilities of CJ Personnel (3)  
CrJu 4780 Criminal Law (3)  
CrJu 4910 Selected Legal Issues in CJ (3)  
CrJu 4030 Origins of Criminal Justice (3)  
CrJu 4040 Comparative Criminal Justice (3)  
CrJu 4060 Ethics in Criminal Justice (3)

**Area J: Criminal Justice Issues (3); select one**

CrJu 3030 Criminal Justice Planning (3)  
CrJu 3070 Race and the Criminal Justice System (3)  
CrJu 3210 Juvenile Delinquency (3)  
CrJu 3350 Correctional Institutional Systems (3)  
CrJu 4010 Gender in Criminal Justice (3)  
CrJu 4070 Family Violence and Criminal Justice (3)  
CrJu 4080 Crime and the Media (3)  
CrJu 4110 Principles of Investigation (3)  
CrJu 4210 Juvenile Justice System (3)  
CrJu 4230 Prevention and Correctional Strategies for Juvenile Offenders (3)  
CrJu 4350 Correctional Alternatives (3)  
CrJu 4360 Counseling & Supervising Offenders (3)  
CrJu 4410 Advanced Criminology (3)  
CrJu 4420 Crime Typologies (3)  
CrJu 4430 Crime at Work (3)  
CrJu 4500 Criminal Justice Management (3)  
CrJu 4920 Community Policing (3)  
CrJu 4960 Domestic Terrorism (3)  
CrJu 4900 Selected Topics in Criminal Justice (3)  
CrJu 4990 Readings in Criminal Justice (3)

**Area K: Capstone: Internship (6)**

CrJu 4930 Internship Seminar in Criminal Justice (3)  
CrJu 4940 Criminal Justice Field Instruction (3)

**Area L: Electives** (15); select five

Students choose 15 credit hours from Criminal Justice courses or courses from other departments. Note: The 45-hour requirement in Criminal Justice courses at GSU must be met (see “Program Academic Regulations” #3, section 5110.30).

**Total Program Hours Required: a minimum of 120 semester hours**

## 5120 Nursing

### Programs Offered:

**B.S. in Nursing**

**R.N. to B.S. Bridge Program in Nursing**

Byrdine F. Lewis School of Nursing

960 Urban Life Center, 404/651-3040

<http://chhs.gsu.edu/nursing>

Krista M. Meinersmann, Associate Director for Undergraduate Programs

The Byrdine F. Lewis School of Nursing offers a curriculum leading to the Bachelor of Science degree with a major in nursing. Upon the completion of the baccalaureate program and subject to the rules of the Georgia Board of Nursing, the graduate becomes eligible to write the National Council Licensure Examination required for becoming a registered professional nurse. Generic students may enter the nursing program in the fall semester or the spring semester, RN-BS completion students may enter the nursing program in the fall only.

The university catalog in effect at the time a student is admitted to the nursing program will normally apply to a student. However, the nursing curriculum and other requirements are subject to change in order to comply with regulations of accrediting agencies or with institutional or university-system policies. Every effort will be made to notify students of such changes; however, it is the student's responsibility to become aware of all current program and college requirements. Students who withdraw from the nursing sequence may enter under the current catalog if space is available in nursing courses with a clinical requirement. Academic credit for nursing courses for a student who withdraws from the nursing program is valid for a five-year period. Abnormal Psychology (Psyc 3140) and Anatomy and Physiology I and II (Biology 1110K - 1120K) must be completed within five years prior to beginning the nursing sequence. Special exceptions may be made to this policy with the director's permission.

Academic advisers work closely with students to plan programs; however, it is the student's responsibility to see that course prerequisites are met as required. The student is expected to follow the program planned in conjunction with the assigned academic and faculty advisers.

In order to provide appropriate learning experiences nursing classes will be scheduled during the day and evening hours. In the event these experiences require the student to return to the clinical setting at times other than scheduled laboratory times, it is the student's responsibility to be there as requested for the duration of the learning experience. Students' personal schedules must be flexible to meet clinical requirements. Students will be expected to provide their own transportation to the clinical setting.

The School of Nursing reserves the right to make those program changes deemed appropriate. Curriculum changes are made whenever necessary to keep the learning experiences up to date in this rapidly changing field. Students will be expected to subscribe to these changes whenever they can do so without increasing the number of hours required for completion of the degree. The student is responsible for adhering to policies and procedures specified in the School of Nursing *Undergraduate Student Handbook*. Degree requirements must be completed in order to meet the eligibility requirements for writing the professional nurse licensure examination.

### Program Admission

The student must meet the general admission requirements of Georgia State University and the College of Health and Human Sciences. Acceptance to the university allows the student to register for prerequisite course work leading to the professional program in nursing and does not guarantee automatic admission into the nursing program. Acceptance into the professional program requires a separate application and admissions process. Students will be admitted on a space-available basis.

Two program options are available in the undergraduate nursing program: the traditional option and the accelerated option. The traditional option is six semesters and does not require summer classes. The accelerated option is four semesters, including summer over a 16-month period. Students in both options have identical degree requirements; however, the accelerated option has more stringent application requirements.

**Traditional Option Prerequisites:** The following courses are prerequisites, which must be completed before entering the traditional option in the fall or spring semester.

- Area A courses of the Core Curriculum



- Biol 1110K, Biol 1120K - Anatomy & Physiology 1 & 2
- Biol 2300, Biol 2310 - Microbiology with lab
- Chem 1151K, Chem 1152K - Survey of Chemistry 1 & 2—strongly recommended. Phys 1111K, Phys 1112K (Introductory Physics 1 & 2) OR Biol 1103K, Biol 1104K (Introductory Biology 1 & 2) are accepted.

It is recommended that Nurs 2010 be taken before beginning the nursing courses, but it is not required.

#### **Traditional Option Requirements:**

1. Acceptance to Georgia State University.
2. Completion of prerequisite courses.
3. A minimum grade point average of 2.80. Higher grade point averages receive preference for admission.
4. Successful completion of the Nursing Entrance Test.
5. A two-page typed paper discussing the applicant's position on a current social or health-related issue.
6. Two letters of reference. One should be academic (high school or college instructor); one should be professional (employer, volunteer organization, etc.).
7. An Application Cover Sheet form.
8. Answers to a short list of questions that are included with the Application Cover Sheet form.

**Accelerated Option Prerequisites:** The accelerated option requires the following prerequisites, in addition to those listed for the traditional option, be completed before entering the first semester of the accelerated option.

- All Core Curriculum requirements, Areas A-E
- Nurs 2010 (Health and Human Development Across the Lifespan)
- HHS 3000 (Communication and Cultural Diversity)
- Psyc 3140 (Abnormal Psychology)

#### **Accelerated Option Requirements:**

1. Acceptance to Georgia State University.
2. Completion of prerequisites courses.
3. A minimum grade point average of 3.0 for applicants already holding a bachelor's degree; a minimum grade point average of 3.25 for applicants who do not yet hold any bachelor's degree. Higher grade point averages receive preference for admission.
4. Successful completion Nursing Entrance Test.
5. A two-page typed paper discussing the applicant's position on a current social or health-related issue.
6. Two letters of reference. One should be academic (high school or college instructor); one should be professional (employer, volunteer organization, etc.).
7. An "Application Cover Sheet" form.
8. Answers to a short list of questions that are included with the "Application Cover Sheet" form.
9. Successful completion of the legislative requirements in U.S. and Georgia History, and U.S. and Georgia Constitution.
10. Successful completion of the Regents' Writing and Reading requirements OR a Bachelor's degree

Admissions selection for both options is based on GPA, number of and grades earned in required science courses taken, score on the nursing entrance exam, letters of reference, and a social/health issue paper. If the applicant's native language is not English, regardless of language of instruction, he or she may be required to submit acceptable results on the Georgia State Test of English Proficiency (GSTEP) or the Test of English as a Foreign Language (TOEFL).

It is important that students are aware of the current level of competition for admission. The program can accommodate only a limited number of students each year.

The application deadline for the fall semester is March 1. The application deadline for the spring semester is October 1. Early applications are advisable. Application requirements and information about the Nursing Entrance Test are available on the web at <http://chhs.gsu.edu/nursing>. The cost of the exam is the applicant's responsibility.

Upon receipt of an acceptance letter from the School of Nursing, the student will be required to complete the School of Nursing's WebCT Program Introduction and attend an orientation meeting before the first semester of nursing classes begin. The student must complete required forms and health-related requirements prior to the first semester of nursing classes. The accepted student must submit to the School of Nursing a current health record (and must keep this record current). Evidence of in-force liability insurance and current cardiopulmonary resuscitation certification by the American Heart Association is required for enrollment in clinical nursing courses. Students may be required to have a criminal background check and a drug screen based on hospital policy.

When applying to sit for the Georgia Board of Nursing licensing examination (NCLEX) upon graduation, students will be asked to respond to a question regarding any violations of federal, state, or local law. Students may be required to provide documentation to the Board explaining any such circumstance. The Georgia Board of Nursing has the exclusive authority to issue a license for the Registered Professional Nurse and could decline to issue a license based on an applicant's prior criminal record. Further information regarding this requirement can be obtained from the Georgia Board of Nursing or any other state licensing board where practice is contemplated.

## Admission to the RN to BS Bridge Program

The RN to BS Bridge program is designed for licensed Registered Nurses (R.N.) with an associate's degree or nursing diploma to earn a B.S. in nursing. This program admits for the fall semester only. The deadline is March 1.

1. Acceptance to Georgia State University.
2. Graduation from an NLN-accredited associate degree or diploma program.
3. Current registration to practice as a registered professional nurse in Georgia.
4. Evidence of practice as a registered nurse in the United States for at least one year within the three years immediately preceding the semester of enrollment in the clinical nursing courses.
5. Grade point average of at least 2.7.
6. Successful completion of a Nursing Entrance Test.
7. An RN-BS Bridge Application.
8. Three letters of reference. [ one academic; one professional (related to employment; and one from a previously attended school of nursing OR another nurse.)]
9. The following prerequisites must be completed prior to the RN to BS courses (Nurs 3980 and Nurs 4490): Engl 1101-Engl 1102, Math 1111 or Math 1101, Biol 1110K-1120K, Biol 2300 and Biol 2310, Chem 1151K-Chem 1152K or Biol 1107K-1108K or Phys 111K-1112K, and Nurs 3010.
10. Upon receipt of an acceptance letter from the School of Nursing, the student will be required to meet with an adviser and to complete required forms and health-related requirements prior to entry into the nursing sequence.

The student must present his or her current license to practice as a registered nurse in the State of Georgia to the School of Nursing no later than the time of registration for the first nursing course. The license number will be recorded at that time. The Georgia Board of Nursing recommends that copies not be made due to the risk of unauthorized duplications. Each student must be advised by an academic adviser and retain a signed copy of their program plan. Evidence of in-force liability insurance and current cardiopulmonary resuscitation certification by the American Heart Association is required for enrollment in clinical nursing courses.

## Program Financial Information

The accepted student is required to submit a percentage of his or her first semester's tuition at the time of acceptance into the nursing sequence. The advance tuition, which is nonrefundable, guarantees the student's placement in the class.

Clinical practice will require that the applicant obtain student uniforms that meet School of Nursing standards. Additional costs that are the responsibility of the student include 1) the cost of cardiopulmonary resuscitation certification and liability insurance; 2) the cost of lab supplies; 3) the cost of a standardized total testing program; and 4) the cost of criminal background checks and urine drug screens.

## Program Academic Regulations

No grade below a grade of C in a major course will be credited toward a degree. Every student must attain a passing grade of C in every nursing and allied field course. A minimum grade of C is also required in statistics. All nursing majors must maintain a minimum GPA of 2.0 to remain in the nursing sequence.

A student may be terminated from a clinical course prior to the completion of that course if, in the judgment of the student's clinical instructor, the student's clinical practice jeopardizes the safety of a patient. Course failure would violate the grade of C or higher rule and result in dismissal from the clinical nursing course sequence. A student may repeat a nursing or allied field course in which a grade of D, U, F or WF was received one time only. Failure of the repeated course or a second nursing or allied field course results in termination from the program. In the event a student is unsuccessful in Nurs 3510, Nurs 3610, Nurs 3710 or Nurs 3810, the student may take one new clinical course (Nurs 3510, Nurs 3610, Nurs 3710, Nurs 3810) concurrently with the course that must be repeated, or the student may take one new course prior to repeating the failed course, based on space availability.

The Byrdine F. Lewis School of Nursing reserves the right to require the withdrawal of any student at any time in order to preserve and maintain the school's standards of scholarship and conduct. Furthermore, if the student has been sanctioned for any violation of university rules, procedures, or policies, an automatic review and determination of that student's progress in the program will occur.

The procedure for reentering students may be found in the previous section entitled "Admission Requirements."

Each teaching team establishes the attendance policies for classroom and clinical experiences. In general, however, all learning experiences are required. Due to the complexity involved in selecting and supervising clinical learning experiences, students are required to complete all assignments promptly.

Traditional program students are expected to have completed the Regents' Test requirements by the end of the sophomore year. Selected achievement tests are required throughout the program. An end-of-program exit activity will be required of all nursing students. Generic students will be given an exit exam at the midpoint of the last semester before graduation. RN students will submit a social or health care issue paper as a required exit activity. A passing score is required to meet graduation and program completion requirements.

Additional information, including regulations on program probation, suspension, and dismissal, is included in the School of Nursing's *Undergraduate Student Handbook*. Students are responsible for the information in this handbook as well as that in other university publications.

### **Program Degree Requirements**

Semester hours are shown in parentheses following an entry. Requirements for Areas A through E of the undergraduate core curriculum are listed in the "Core Curriculum" chapter of this catalog. The School of Nursing recommends the following specific courses in the core.

**Area B:** Phil 1010 is recommended as one of the two required courses

**Area C:** Spanish 1002 is recommended as one of the two required courses

**Area D:** Chemistry 1151K and 1152K are strongly recommended to fulfill the lab science sequence

**Area E:** Psyc 1101 is strongly recommended as the social science foundations selection

#### **Area F: Courses Related to the Program of Study (18)**

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Bio 1110K<br>& 1120K | Human Anatomy and Physiology I & II (8)              |
| Bio 2300             | Microbiology and Public Health (3)                   |
| Bio 2310             | Microbiology and Public Health Lab (1)               |
| Nurs 2010            | Health and Human Development Across the Lifespan (3) |
| Nurs 2060            | Pathophysiology (3)                                  |

#### **Area G: Major (49)**

|           |                                                      |
|-----------|------------------------------------------------------|
| Nurs 2040 | Conceptual Foundations of Nursing and Trends (1)     |
| Nurs 2061 | Pharmacology (3)                                     |
| Nurs 2080 | Basic Concepts of Nursing Care (3)                   |
| Nurs 2160 | Basic Health Assessment and Nursing Skills (6)       |
| Nurs 3510 | Caring For Adult Populations (5)                     |
| Nurs 3610 | Caring for Childbearing Families (5)                 |
| Nurs 3710 | Caring for Children and Adolescents (5)              |
| Nurs 3810 | Psychiatric/Mental Health Care for Populations (5)   |
| Nurs 4510 | Caring for Families and Communities (6)              |
| Nurs 4600 | Leadership and Management in Nursing (3)             |
| Nurs 4610 | Senior Practicum (4)                                 |
| Nurs 4620 | Complex Health Care Problems Across the Lifespan (3) |

#### **Area H: Allied Fields (14)**

|           |                                                |
|-----------|------------------------------------------------|
| HHS 3000  | Communication/Cultural Diversity (3)           |
| Nurs 3300 | Human Services Policy, Planning and Trends (3) |
| Nurs 3500 | Research Methods (3)                           |
| Nutr 3200 | Introduction to Clinical Nutrition (2)         |
| Psyc 3140 | Abnormal Psychology (3)                        |

**Total Program Hours Required: a minimum of 123 semester hours**

### **Advanced Placement for Registered Nurses (RN to BS Bridge Program)**

The R.N. to B.S. bridge program allows experienced registered nurses who are graduates of accredited associate degree and diploma nursing programs to earn a bachelor's degree in a streamlined format. After completion of core and support course requirements, this program can be completed in slightly more than a year of study. The program is approved by the Georgia Board of Nursing and is accredited by the Commission on Collegiate Nursing Education.

### **Core and Support Courses**

Students must meet all requirements for the bachelor of science degree listed above in Program Degree Requirements, section 5120.40. Core requirements that must be completed with a grade of C or higher are Engl 1101 and 1102, Math 1101 or 1111,

Biol 1110K and 1120K, Chem 1151K and 1152K, Biol 2300 and 2310, Psyc 1101, Statistics (Psyc 3010, Soci 3010 or Math 1070), and Psyc 3140.

### Professional Courses

Credit is given for the following nursing courses based on the R.N. license: Nurs 2040, Nurs 2060, Nurs 2061, Nurs 2080, Nurs 2160, Nurs 3510, Nurs 3610, Nurs 3710, Nurs 3810. Credit is also given for HHS 3000 and Nutr 3200.

The following courses, totaling 36 semester hours of credit, must be taken at Georgia State University (each course must be completed with a grade of C or higher): Nurs 3010, Nurs 3980, Nurs 4490, Nurs 4510, Nurs 4600, Nurs 4610, Nurs 4620, Nurs 3300, Nurs 3500, HHS 4400, and an approved advanced communication/writing elective.

In order to receive the bachelor's degree at Georgia State University, students must complete 39 semester hours of credit in courses numbered 3000 or above with an average of C or higher (GPA 2.00). Students in the RN to BS Bridge Program will earn 36 of those 39 hours in the required nursing and HHS courses, and the elective course.

### Accreditation

The baccalaureate program of the Byrdine F. Lewis School of Nursing is approved by the Georgia Board of Nursing. The baccalaureate and master's programs are accredited by the Commission on Collegiate Nursing Education.

The School of Nursing maintains membership in the Council of Member Agencies of the Southern Council on Collegiate Education for Nursing of the Southern Regional Education Board, and the American Association of Colleges of Nursing.

### Honors and Awards

Students may graduate with honor in the Byrdine F. Lewis School of Nursing if the criteria listed under the "Honors" section of this chapter are met.

The Evangeline Lane Founders Award is given to graduating seniors who have an overall GPA in those courses required for the Bachelor of Science with a major Nursing, and a 3.6 or above. These recipients will receive a certificate of achievement.

Byrdine F Lewis School of Nursing, home of the Epsilon Alpha Chapter of the nursing honor society, Sigma Theta Tau. At each induction, the Sigma Theta Tau Academic Achievement Award is presented to the member who has maintained the highest scholastic average upon completion of the baccalaureate program.

The Excellence in Pediatric Nursing is an award given by Children's Healthcare of Atlanta to an individual in each graduating class who has demonstrated high academic achievement and interest in Pediatric Nursing.

## 5130 Nutrition

### Program Offered:

#### B. S. in Nutrition

Division of Nutrition

School of Health Professions

862 Urban Life Building, 404/651-3085

<http://chhs.gsu.edu/nutrition>

Mildred M. Cody, Division Head

Delia H. Baxter, Director, Didactic Program in Dietetics

The Didactic Program in Dietetics (DPD) is a Bachelor of Science degree program that provides the student with the appropriate course work to apply for a dietetic internship. The program is accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association (CADE), 120 South Riverside Plaza, Chicago, IL 60606, 312/899-5400. Graduates of the DPD are eligible for any dietetic internship accredited by the CADE, which is required to take the national examination to become a registered dietitian. An accredited dietetic internship program is also available in the Division of Nutrition. Contact the division for more information about the dietetic internship.

### Mission Statement—Didactic Program in Dietetics (DPD)

To graduate students with the knowledge, insight, and skills to participate effectively as dietetic professionals in a contemporary society:

### Didactic Program Goals

Upon completion of the requirements for the Didactic Program in Dietetics (DPD), the graduate will:

1. Possess a broad educational background in the physical, biological, social, and communication sciences, along with advanced knowledge in the areas of food and nutrition as evidenced by successful completion of courses in the curriculum;
2. Have the comprehensive background needed to successfully complete a supervised practice experience (DI) and the registration examination as evidenced by supervised practice placements and pass rates on the registration examination for dietitians;
3. Have the didactic knowledge necessary to become competent, entry-level dietitians who can function in a variety of settings as evidenced by job placement and pass rates on the registration examination for dietitians; and
4. Have the ability to effectively use resources and apply research principles to investigate and resolve issues related to the dietetics field as evidenced by problem-solving and critical thinking skills.

### Program Admission

The DPD, because of its professional nature, has more stringent admission requirements than those of Georgia State University. Students will be formally admitted into the DPD program for the nutrition degree at the beginning of the fall semester of the junior year.

Admission to the DPD, requires completion of prerequisite courses and an application to the division. Application packets are available in February of each year and must be returned to the Office of Academic Assistance, College of Health and Human Sciences for review. Applicants will be reviewed throughout the year for applicants who have met prerequisite requirements. May 1st is the deadline for fall admission. Applicants who plan to complete their prerequisite requirements after May 1 should submit their applications by the May 1 deadline, but they will be reviewed once final transcripts are received. Courses in nutrition, organic chemistry, human physiology, microbiology, and biochemistry must be completed within ten years prior to beginning the DPD. A student must have a minimum 2.5 GPA and must have a letter grade of C or higher in all science and nutrition courses. Selection will be based upon academic performance, a letter of reference from a college professor, and a statement of professional goals.

Nutrition courses completed at other institutions may be considered for transfer credit if they have been completed within ten years prior to beginning the DPD.

### Program Financial Information

Students are required to purchase consumable materials in some laboratory courses.

### Program Academic Regulations

Once admitted to the DPD, a student must maintain a 2.5 GPA and receive a grade of C or higher in all science and major courses. If the GPA drops below a 2.5 or a letter grade of C is not received in science or major classes, the student is ineligible to continue in the DPD until the GPA reaches a 2.5 or a grade of C or higher is earned in the science or major class.

### Program Degree Requirements

Semester hours are shown in parentheses following an entry. Requirements for Areas A through E of the undergraduate core curriculum are listed in the “Core Curriculum” chapter of this catalog.

**Area D:** Chemistry 1151K and 1152K are strongly recommended as the lab science sequence.

#### **Area F: Courses Related to the Program of Study (18)**

|            |                                        |
|------------|----------------------------------------|
| Biol 1110K | Human Anatomy and Physiology I (4)     |
| Biol 1120K | Human Anatomy and Physiology II (4)    |
| Biol 2300  | Microbiology and Public Health (3)     |
| Biol 2310  | Microbiology and Public Health Lab (1) |
| Electives  | Advisor-Approved Electives (6)         |

**or**

|            |                                        |
|------------|----------------------------------------|
| Biol 1103K | Introductory Biology I (4)             |
| Biol 1104K | Introductory Biology II (4)            |
| Biol 2240  | Human Physiology (3)                   |
| Biol 2300  | Microbiology and Public Health (3)     |
| Biol 2310  | Microbiology and Public Health Lab (1) |
| Elective   | Advisor-Approved Elective (3)          |

#### **Area G: Major (60)**

|                  |                                      |
|------------------|--------------------------------------|
| College Core (6) |                                      |
| HHS 3000         | Communication/Cultural Diversity (3) |

HHS 3400 Spanish for Health and Human Sciences (3)

**Nutrition Courses (48)**

Nutr 3000 Introduction to the Profession of Nutrition (4)  
 Nutr 3150 Food Science I (4)  
 Nutr 3160 Food Science II (4)  
 Nutr 3500 Nutrition and Metabolism (3)  
 Nutr 3600 Normal Nutrition through the Life Cycle (3)  
 Nutr 3700 Medical Biochemical Principles (3)  
 Nutr 4000 Food and Culture (3)  
 Nutr 4200 Medical Nutrition Therapy I (3)  
 Nutr 4250 Medical Nutrition Therapy II (3)  
 Nutr 4300 Nutrition Intervention I (3)  
 Nutr 4400 Nutrition Intervention II (3)  
 Nutr 4500 Organization and Management of Nutrition Services (3)  
 Nutr 4600 Food Service Systems (4)  
 Nutr 4950 Senior Seminar (2)  
 HHS 3010 Advanced Medical Terminology (3)

**Nutrition Electives (6) Choose two courses:**

Nutr 3100 Nutrition and Health (3)  
 Nutr 3170 Food Safety and Sanitation (3)  
 Nutr 3810 Interpretation of Laboratory Values (3)  
 Nutr 4105 Geriatric Nutrition (3)  
 Nutr 4960 Nutrition and Physical Fitness (3)  
 Nutr 4970 Nutrition and the Media (3)  
 Nutr 4990 Entrepreneurial Nutrition (3)

**Total Program Hours Required: a minimum of 120 semester hours**

## 5140 Respiratory Therapy

### Program Offered:

#### **B.S. in Respiratory Therapy**

Division of Respiratory Therapy  
 School of Health Professions  
 1228 Urban Life Building, 404/651-3091

<http://chhs.gsu.edu/rt>

Lynda T. Goodfellow, School Director and Division Head  
 Cindy D. Powell, Medical Director

Respiratory therapy is a health care profession dedicated to the support and management of individuals with abnormalities or deficiencies of the cardiopulmonary system. The respiratory therapist is an expert in therapeutic and diagnostic modalities associated with the pulmonary system, as well as the heart. He or she must have a working knowledge of chemistry, microbiology, and physiology as well as respiratory therapy. This background affords the therapist the ability to become proficient in working with respiratory life support systems. Under the guidance and supervision of a physician, the therapist treats by employing academic knowledge and technical skill for direct patient care. For a dedicated man or woman who finds a service field rewarding, respiratory therapy offers a career opportunity as a vital member of the health care team that is both personally and financially rewarding.

The Division of Respiratory Therapy offers a program that leads to a Bachelor of Science degree. The program provides classroom study with observation, clinical experience, independent study, and seminars. The Georgia State University respiratory therapy program is fully accredited by the Commission on Accreditation for Respiratory Care (CARC) in collaboration with the committee on Accreditation of Allied Health Programs (CAAHEP). The program provides classroom study, laboratory study and observation, clinical experience, computer-assisted instruction and simulation, seminars, and independent study. Classes generally meet on a daily basis from approximately 8:00 AM to 3:00 PM. Clinical courses in area hospitals (clinical affiliates) meet from 6:45 AM to 3:15 PM.



The overall purpose of the Division of Respiratory Therapy is to provide a quality education that is relevant and professionally sound to meet the respiratory therapy needs of the health care community. Inherent to this purpose is the goal to prepare respiratory therapy practitioners who can demonstrate the attitudes, skills, and knowledge required to meet the changing needs of the community. It will be necessary for the respiratory therapist to cooperate with all members of the health care team in identifying and solving the problems related to respiratory diseases and disorders of the cardiopulmonary system. The respiratory therapist must be able to think critically, communicate effectively, demonstrate good judgment, and provide self-direction. It is a primary objective of the respiratory therapy program to educate well-qualified, competent respiratory therapists who demonstrate leadership ability.

The baccalaureate degree program in respiratory therapy seeks to establish an atmosphere in which the student achieves respect for the dignity and worth of the individual, the capacity for critical thinking, a genuine desire for knowledge, and the realization of his or her own potential. Graduates of the baccalaureate program are qualified to enter the Registry Examination System of the National Board for Respiratory Care (NBRC).

### **Program Admission**

Admission to the Division of Respiratory Therapy is limited. In addition to meeting the general admission requirements of the university, the applicant must meet the specific admission requirements and regulations of the Division of Respiratory Therapy. Acceptance into the program is based competitively on the factors of demonstrated academic ability, consistency of performance, personal qualifications, including motivation and interpersonal abilities.

International applicants whose native language is not English, regardless of language of instruction, must submit acceptable results from the Georgia State Test of English Proficiency (GSTEP). Because of the communication demands in the profession of respiratory therapy, both with patients and staff members, and the critical nature of clinical care, adequate verbal and written comprehension of English is necessary.

Individuals who desire to pursue respiratory therapy as a profession and show academic ability may apply for admission. Enrollment in the Division of Respiratory Therapy is limited and, therefore, early application is advisable. The application deadline is July 1 preceding the fall semester in which admission is desired. The Office of Admissions evaluates the credentials of students transferring from other colleges and universities. Acceptance into the university does not ensure admission into the respiratory therapy program.

Students taking the prerequisite courses in colleges or universities other than Georgia State University should take equivalent course work.

Students are admitted into the professional courses in the fall of the junior year. A minimum grade point average of 2.50 is required. Higher GPAs receive preference for admission.

### **A.S. to B.S. Bridge Program**

The Division of Respiratory Therapy has a comprehensive advanced standing policy. . Students who are graduates of CoARC-approved A.S. degree programs may apply for advanced standing to the B.S. degree program. The department utilizes the following mechanisms to assess the awarding of credit in advanced standing: transfer credit and credit for professional credentials. The department maintains a philosophy of educational flexibility to meet the needs of the profession.

An Intergrated B.S. to M.S. degree is an option to those who have a bachelor's degree in another field and wish to enter the respiratory therapy profession. See the Graduate Catalog for details.

### **Program Financial Information**

During the junior year, students can expect to pay approximately \$750 for uniforms, stethoscopes, student liability insurance, and books. In the senior year, expenses are estimated at approximately \$1200. This includes books and expenses related to NBRC self-assessment and credentialing exams.

### **Program Academic Regulations**

A minimum grade of C is required in all major, major-field-related, and mathematics and natural sciences courses for graduation. If a student's progress is interrupted at any point in the program through withdrawal or unsatisfactory performance, the student will no longer be in the program. If an individual applies to reenter the program, consideration will be given on the same basis as any new applicant. Curriculum changes are made whenever necessary to keep the learning experiences up to date and relevant in this rapidly changing technological field. Students will be expected to subscribe to these changes whenever they are necessary.

Students are expected to provide their own transportation to clinical training sites. Students are expected to comply with the policies and regulations of the division regarding absences, tardiness, standards of performance, conduct, dress code for the

clinical areas, and other regulations as specified. A copy of these policies and regulations may be obtained from the division and will be given to all entering students.

Although respiratory therapy courses are intended to be taken by students majoring in the Division of Respiratory Therapy, selected courses may be taken by nonmajors with written permission of the instructor of each course and the division head. All professional courses involving a component of clinical training are open only to professional program majors.

### Program Degree Requirements

Semester hours are shown in parentheses following an entry. Requirements for areas A through E of the undergraduate core curriculum are listed in the “Core Curriculum” chapter of this catalog.

**Area D:** Chemistry 1151K and 1152K are strongly recommended as the lab science sequence.

#### **Area F: Courses Related to the Program of Study (18)**

|            |                                                      |
|------------|------------------------------------------------------|
| Biol 1110K | Human Anatomy and Physiology I & II (8)              |
| and 1120K  |                                                      |
| Biol 2300  | Microbiology and Public Health (3)                   |
| Biol 2310  | Microbiology and Public Health Lab (1)               |
| RT 2011    | Application of Physical Principles in Healthcare (3) |
|            | (General Physics accepted in place of RT 2011)       |
| Elective   | Adviser-approved elective (3)                        |

#### **Area G: Major (65)**

|          |                                                                                |
|----------|--------------------------------------------------------------------------------|
| RT 3005  | Clinical Cardiopulmonary Physiology (3)                                        |
| RT 3025  | Patient Evaluation (4)                                                         |
| RT 3027  | Pulmonary Diseases (3)                                                         |
| RT 3030  | Pulmonary Diagnostics (3)                                                      |
| RT 3040  | Respiratory Care Pharmacology (3)                                              |
| RT 3111  | Respiratory Care Procedures I (4)                                              |
| RT 3112  | Respiratory Care Procedures II (3)                                             |
| RT 3500  | Research Methods (3)                                                           |
| RT 4011  | Ventilatory Support I (3)                                                      |
| RT 4012  | Ventilatory Support II (4)                                                     |
| RT 4060  | Advanced Critical Care Monitoring (3)                                          |
| RT 4070  | Advanced Cardiac Life Support (2)                                              |
| RT 4075  | Patient Care Management Strategies (3)                                         |
| RT 4080  | Pediatric Respiratory Care (1)                                                 |
| RT 4081  | Neonatal Respiratory Care (3)                                                  |
| RT 4085  | Professional Practice: From Contemporary Trends to Extended Long-term Care (3) |
| RT 3050  | Clinical Practice I (1)                                                        |
| RT 3051  | Clinical Practice II (4)                                                       |
| RT 3052  | Clinical Practice III (1)                                                      |
| RT 4051  | Clinical Practice IV (4)                                                       |
| RT 4052  | Clinical Practice V (5)                                                        |
| HHS 3000 | Communication/Cultural Diversity (3)                                           |

**Total Program Hours Required: a minimum of 126 semester hours**

## 5150 Social Work

**Program Offered:**

**Bachelor of Social Work (BSW)**

School of Social Work

1242 Urban Life Building, 404/651-3526

<http://www.gsu.edu/socialwork>

Elizabeth L. Beck, BSW Program Director

The purpose of social work education is to prepare competent, effective social work professionals who are committed to practice that includes service to socially marginalized populations, and who work to alleviate poverty, oppression, and discrimination. Social work education is based upon a specific body of knowledge, values, and professional skills, and is grounded in the profession's history and philosophy. Education for the profession promotes the development and advancement of knowledge, practice skills, and services that further the well being of people and promote social and economic justice. Social work education is responsible for the production and application of research and scholarship aimed at advancing social work practice. ("Curriculum Policy Statement for Baccalaureate Degree Programs in Social Work Education," Council on Social Work Education, *Handbook of Accreditation Standards and Procedures*, 4th Edition, p. 96.)

The School of Social Work offers a Bachelor of Social Work degree (BSW) through an educational program accredited by the Council on Social Work Education (CSWE). Both the academic content of the program and its administrative procedures are consistent with the accreditation standards of CSWE. The social work curriculum represents a highly developed plan of professional education that consistently emphasizes the interface between theory and practice. The curriculum for the BSW degree may be viewed in two major sections. The lower division (60 semester hours), a liberal arts foundation, reflects those content areas which meet the standards prescribed by the Board of Regents of the University System of Georgia and by the College of Health and Human Sciences. The upper division courses (60 semester hours) have been developed to meet the guidelines for baccalaureate social work education as prescribed by CSWE, particularly as those courses can maximize appropriate knowledge and skills for entry-level, generalist social work practice.

The goal of the School of Social Work is to prepare students for competent and ethically responsible generalist social work practice. Specific objectives of the school are: (1) to enable students to demonstrate appropriate knowledge, skills, and values necessary for the beginning level of professional generalist social work practice with individuals, families, groups, organizations, and communities in an urban setting; and (2) to prepare academically qualified students for graduate social work. Successful completion of this program may lead to advanced standing in many accredited graduate programs of social work.

### **Program Admission**

The requirements and procedures for admission to Georgia State University are summarized in the university section of this General Catalog. That application process permits a potential student to indicate the college in which the individual wishes to register upon acceptance and to indicate the intended major. Based upon that application, an individual may be accepted by the university and by the College of Health and Human Sciences. Entering students who wish to major in social work begin their affiliation with the School of Social Work in a Pre-Social Work (PSW) status. A later, separate application and decision process is required before a student can be formally accepted into the Bachelor of Social Work (BSW) status. The priority application deadline is May 15 prior to the junior year. However, applications will be accepted after that date.

### **Pre-Social Work (PSW) Student**

All students admitted to the School of Social Work begin as Pre-Social Work (PSW) students and change their status only after the student has made formal application and formal admission has been granted. PSW status is assigned to students who have not completed all lower-division courses in Areas A-F or have not met GPA eligibility requirements. To complete these areas, PSW students must register only for the lower-division courses specified in their advisement files.

### **Bachelor of Social Work (BSW) Student**

For a student to be considered for BSW status, the student must:

1. Be in good standing at Georgia State University with a minimum institutional GPA of 2.0.
2. File a formal application in the school for BSW status.
3. Have grades of C or higher in English 1101 and 1102.
4. Have successfully completed Areas A through F (except SW 2000).
5. Have a minimum grade point average of 2.5 or better in the lower-division courses counted for completion of Areas A-F and a minimum grade of C or higher in SW 2000, if completed.

BSW status indicates that a student has demonstrated commitment to professional social work and has been recognized by the school as being ready to utilize that commitment in the demanding preparation for practice in this field. A student with BSW status is expected to internalize the values and ethics of social work and to develop and enhance professional practice skills. In this process, the BSW student is expected to abide by the academic regulations related to the program as outlined in this catalog and in the school's *Student Handbook*. Among those academic regulations is the requirement that a student have a grade of C (2.0) or better in each of the social work major courses that are required in Area G.

Entry into the BSW program is a selective process on a space availability basis. A student who meets only the minimum GPA or other criteria is not necessarily guaranteed acceptance. Qualified students who are denied entry at one point in time will be placed on a competitive waiting list in the order of their denial to await possible access to the program at a subsequent time.

## Program Financial Information

No special fees are associated with the Bachelor of Social Work program. Students must pay all tuition and fees required by the University.

## Program Academic Regulations

Students in the School of Social Work are required to participate in academic advisement. Each entering PSW student is assigned to a professional staff member in the Student Advisement Center or in the college's Office of Academic Assistance who serves as the student's academic adviser. PSW students should meet with that assigned academic adviser prior to registering for any courses, and those advisement appointments are available during any semester. When the student achieves BSW status, the student will be reassigned to the director of the BSW program for initial program advisement. Before the end of the junior year, the student will be assigned to a social work faculty adviser. The student is expected to meet with that assigned academic adviser at least once each academic semester for the purpose of beginning or enhancing acculturation to the field of social work, as well as for sequencing course selections in accordance with school procedures. BSW advisement appointments are scheduled only during the fall and spring semesters, so students are expected to plan accordingly. In an emergency situation, the student (PSW or BSW) may discuss advisement needs with the BSW program director.

Course sequencing in the BSW program begins only in the fall semester, and a student is admitted to BSW status in accordance with that schedule. PSW and BSW students are expected to follow the written course advisement plan developed in the advisement process, both in terms of course selections and in the sequencing of those courses. Deviations from the advisement plan without the written authorization of the assigned academic adviser or the BSW program director may result in the school's blocking future registrations that do not conform to the advisement plan or may result in an extension of their course of study. In addition to the review and possible withdrawal of a student from the program, as described in "Review of Academic and Professional Practice Demands," a student who misses or fails a course but is permitted by the school to continue in the program must work closely with the assigned academic adviser and the BSW program director to determine the most appropriate point at which to continue degree-related course work. If a student in BSW status is inactive for two academic semesters, the student will be returned to PSW status and must file a new, competitive application to reenter the BSW status.

## Field Education

Field education is an integral component of the BSW curriculum and involves the placement of social work students in educationally supervised agency settings. The primary purpose of field education is to enable students to integrate social work theory and practice through the direct application of social work knowledge, values, and skills. Field education provides opportunities to test and refine classroom learning in professional social work settings. BSW students must have a minimum of 400 supervised hours of field education over a period of two consecutive semesters. Students are required to attend a classroom-setting field integrative seminar as part of their field education. The purpose of the integrative seminar is to provide field education students a forum for the synthesizing of classroom learning with their field-based internship.

Students may apply for field education only after lower-division and prescribed social work courses and other requirements have been satisfactorily completed, as explained in the school's *Student Handbook*. Students enroll in field education for the fall-spring semesters. Field education applications must be turned in to the Director of Field Education by February 15 for the following fall semester placement.

## Grant—Child Welfare

The School of Social Work, in partnership with the Georgia Department of Human Resources, has scholarships available under the Title IV E, Child Welfare Training. The scholarship includes tuition and fees, books, and mileage. Recipients must take specific child welfare electives and must complete a field placement in a public child welfare setting. Upon graduation, recipients must commit to work for the Division of Family and Children Services on a year-for-year basis.

## School of Social Work Policies and Procedures

Georgia State University is an equal educational opportunity institution. Faculty, staff, and students are admitted, employed, and treated without regard to race, sex, color, age, religion, national origin, sexual orientation, or disability. Georgia State University complies with Title IX of the Education Amendments of 1972, Titles VI and VII of the Civil Rights Act of 1964, the Civil Rights Act of 1991, Sections 503/504 of the Rehabilitation Act of 1973, the American with Disabilities Act of 1990, the Vietnam Era Veterans Readjustment Assistance Act, as well as other applicable federal and state laws.

Students should refer to the current *Undergraduate Catalog* to ensure compliance with university policies and procedures.

## Codes of Ethics

All students admitted into the B.S.W. program are expected to read, understand, and follow the National Association of Social Workers (NASW) *Code of Ethics*. Each student who is admitted into the program is given a copy of the current code of

ethics. This code provides a set of values, principles, and standards to guide conduct and decision making when interacting with clients and colleagues and for when critical issues arise. A copy can also be found at the NASW website ([www.naswdc.org](http://www.naswdc.org))

## **Review of Academic and Professional Standards – The Policy**

Students admitted into the School of Social Work will be held by the academic standards set by the University and the College of Health and Human Sciences. Students will be held to the professional standards set by the school and the National Association of Social Workers. Students should familiarize themselves with these requirements as found in the undergraduate and graduate catalogs for the university and the College of Health and Human Sciences.

### **A. Academic Competence**

Undergraduate students are required to maintain at least a grade of C (2.00) or better in each of the social work major courses in Area G, and be in academic good standing with the University (an institutional GPA of 2.00). In cases where a student has a grade of D or F in an Area G course, the student must meet with the BSW Director and another faculty member of the BSW Committee to determine whether the student is eligible to continue in the program. If the student is allowed to continue in the program, he or she must retake the course and receive a grade of C or higher. Due to course sequencing, graduation date may be postponed in this situation. Undergraduates must also complete a minimum of 400 hours of field placement.

### **B. Professional Competence**

Georgia State University's School of Social Work has the goal of educating competent social work practitioners. If a student fails to meet the standards set by the National Association of Social Workers and/or the School of Social Work, corrective action may be taken. Corrective action is intended to provide students and faculty with the opportunity to openly discuss problems and issues identified, and to seek a solution to correct the situation or problem presented. Dismissal from the program is an option and may supercede any discussion of corrective action. Professional incompetence signifies that a student is not adequately or appropriately performing at his or her program level.

Failure to comply with the policies and procedures of Georgia State University and/or the College of Health and Human Sciences and/or the School of Social Work may result in a student's dismissal from the program.

## **Program Degree Requirements**

Semester hours are shown in parentheses following an entry. Requirements for Areas A through E of the undergraduate core curriculum are listed in the "Core Curriculum" chapter of this catalog. Only senior BSW majors may take: SW 3720, SW 3730, SW 4930, SW 4940.

### **Area D:**

Biol 1103K and 1104K is recommended as the lab science sequence. If not taken, Biol 1103K or Biol 1110K must be taken in Area H electives.

### **Area F: Courses Related to the Program of Study (18)**

|           |                                        |
|-----------|----------------------------------------|
| Anth 1102 | Introduction to Anthropology (3)       |
| Econ 2105 | Principles of Macroeconomics (3)       |
| Math 1070 | Elementary Statistics (3)              |
| Psyc 1101 | Introduction to General Psychology (3) |
| Soci 1101 | Introduction to Sociology (3)          |
| SW 2000   | Introduction to Social Work (3)        |

### **Area G: Major (48)**

#### **Required Courses (42)**

|         |                                                            |
|---------|------------------------------------------------------------|
| SW 3020 | Methods of Social Work Research (3)                        |
| SW 3320 | Social Welfare Institutions (3)                            |
| SW 3330 | Human Behavior and the Social Environment I (3)            |
| SW 3340 | Human Behavior and the Social Environment II (3)           |
| SW 3610 | Communication Skills for Social Workers (3)                |
| SW 3720 | Social Work Methods I (3)                                  |
| SW 3730 | Social Work Methods II (3)                                 |
| SW 3930 | Social Welfare Policy (3)                                  |
| SW 4280 | Community Resources and Case Management in Social Work (3) |
| SW 4930 | Practicum I (6)                                            |

SW 4940      Practicum II (6)  
 HHS 3000      Communication/Cultural Diversity (3)

#### Social Work Electives (6)

Choose two courses from the following:

SW 4250      Child Abuse and Neglect (3)  
 SW 4260      Aging Practice, Policy and Research Issues(3)  
 SW 4270      Substance Abuse Practice, Policy and Research Issues(3)  
 SW 4290      Child Welfare Practice, Policy and Research Issues (3)  
 SW 4300      Contemporary Health Challenges (3)  
 SW 4310      Group Facilitation (3)  
 SW 4320      Social Work Administration (3)  
 SW 4340      Social Work and the Law (3)  
 SW 4360      Forensic Social Work (3)  
 SW 4380      Disabilities Practice, Policy and Research Issues(3)  
 SW 4900      Seminar on Social Work Issues and Problems (3)  
 SW 4950      Selected Topics in Social Work (3)  
 SW 4990      Directed Individual Study (3)

#### Area H: Electives (12)

In consultation with an adviser, choose 12 semester hours of course work (4 courses).

**Total Program Hours Required: a minimum of 120 semester hours**

## 5160 Graduate Programs

The College of Health and Human Sciences offers the following graduate degree programs:

### Master of Public Health

#### Master of Science

##### Criminal Justice

##### Health Sciences: Nutrition, Respiratory Care

##### Nursing: Adult Health CNS/NP, Child Health CNS/PNP, Family Nurse Practitioner, Perinatal/Women's

##### Health CNS/NP, Psychiatric/Mental Health CNS

### Master of Social Work

#### Concentration in Community Partnerships

### Doctor of Philosophy

#### Nursing: Concentration in Health Promotion, Protection and Restoration with an emphasis on vulnerable populations

### Doctor of Physical Therapy

### Certificate of Public Health

### Dietetic Internship - Graduate Certificate

### Post-Master's Certificates in Nursing

#### Adult Health CNS/NP, Child Health CNS/PNP, Family Nurse Practitioner, Perinatal/Women's Health CNS/NP, Psychiatric/Mental Health CNS

Information concerning the graduate programs is contained in the College of Health and Human Sciences chapter of the current *Georgia State University Graduate Catalog*. Program information and application materials are online at <http://chhs.gsu.edu/admissions.asp>. Information is available from:

Office of Academic Assistance  
 College of Health and Human Sciences  
 Telephone: 404/651-3064  
 Location: 811 Urban Life Building  
 E-mail: [chhs-oaa@gsu.edu](mailto:chhs-oaa@gsu.edu)



# 6000 College of Law

The College of Law does not offer any undergraduate programs. Interested students should consult the *Georgia State University Graduate Catalog* for further information or visit the College of Law website at <http://law.gsu.edu/>.

# 7000 J. Mack Robinson College of Business

## 7010 General Information

### 7010.10 Office of the Dean

7th floor, Robinson College of Business Building

35 Broad Street

404/651-2601

<http://robinson.gsu.edu>

H. Fenwick Huss, Dean

Irene Duhaime, Associate Dean for Administration

Jane F. Mutchler, Associate Dean for Academic Planning and Programs

Kenneth L. Bernhardt, Assistant Dean for Corporate Relations

Charles R. Edwards, Assistant Dean for Development

David Forquer, Assistant Dean for Executive Programs

Ralph E. Kahlan, Assistant Dean for Administration and Finance

### 7010.20 Mission of the J. Mack Robinson College of Business

The J. Mack Robinson College of Business of Georgia State University is committed to academic excellence through advancing the creation and dissemination of knowledge in business and management. Moreover, the college seeks to prepare its students for the practice of management with the knowledge and skills needed to remain effective in a global, culturally diverse, and technologically advanced world that is characterized by rapid change and complex interdependencies. As an academic unit of Georgia State University, the Robinson College seeks to add value to private, public, and not-for-profit organizations through excellence in its research, education, and outreach programs. The college enjoys a location that is distinctive among business schools and is committed to taking full advantage of its proximity to multinational corporations, entrepreneurial enterprises, federal, state, and city agencies, and not-for-profit organizations.

### 7010.21 Mission of the B.B.A. Program

The mission of the Bachelor of Business Administration (B.B.A.) program is to provide a broad general education and the core business knowledge and skills to prepare both traditional and nontraditional students for entry-level positions in private, public, and not-for-profit organizations and to stimulate in students a desire for lifelong learning. The program relies on a complement of full-time and part-time faculty using the most effective educational methods and technology to meet this mission.

### 7010.22 Objectives of the B.B.A. Program

The faculty seeks to fulfill the mission of the B.B.A. program by accomplishing the following objectives:

1. Students will demonstrate effective communication skills.
2. Students will effectively and efficiently use computer technology.
3. Students will effectively and efficiently analyze and solve business problems.
4. Students will function effectively as team members.
5. Students will demonstrate a desire for lifelong learning.

### 7010.30 Accreditation

The J. Mack Robinson College of Business is accredited by the AACSB International, the Association to Advance Collegiate Schools of Business. The accounting programs of the college also hold accounting accreditation granted by the AACSB. The Institute of Health Administration is accredited by the Accrediting Commission on Education for Health Services Administration. The program in hospitality administration is accredited by the Accreditation Commission on Programs in Hospitality Administration.

## 7010.40 Bachelor's Degree Offered

The Robinson College of Business offers the Bachelor of Business Administration with ten majors. The requirements for the B.B.A. degree are shown later in this chapter. A degree is awarded only after admission to and completion of the prescribed program in accordance with the specific degree requirements and academic regulations of the college and the university.

## 7010.50 Tutorial Facilities

Tutorial facilities are available to students who may need assistance with writing or mathematics and are described in the "College of Arts and Sciences" chapter of this catalog.

# 7020 Academic Regulations

Students seeking a degree in the Robinson College of Business are encouraged to become familiar with the academic regulations of the university that are given elsewhere in this catalog. The sections concerning transfer requirements and the university degree policies, including the residence requirement, the core curriculum, the constitutions and histories requirement, the Regents' Test, application for graduation, academic recognitions, withdrawal from classes, incomplete grades, and scholastic discipline, are of particular importance. (Consult the index for the page numbers of these sections.) The college regulations discussed below should also be read carefully.

## 7020.10 Credit Transferred from Other Institutions

1. Some majors require that transfer credit for upper-level major courses be no more than five years old at the time the student enrolls in the B.B.A. program. Contact the Office of Undergraduate Academic Assistance for further information.
2. Course credit transferred from two-year colleges shall apply only toward freshman- or sophomore-level credit.
3. No more than 27 semester credit hours of course work earned through correspondence or extension will be accepted toward the B.B.A. degree. Courses completed through correspondence or extension may not apply toward junior- or senior-level credit.
4. Reenrollment after Transferring Elsewhere: Undergraduate students who enroll at another institution as regular students (as opposed to transient- or visiting-student status) will be considered as having transferred to that institution. If such students later reenroll in the B.B.A. program, regardless of the length of the absence, they will be subject to the curricular degree requirements in effect at the time of their return. Such students are encouraged to discuss their transfer to the other institution with their academic advisor in the Office of Undergraduate Academic Assistance in advance if they intend to apply this work toward a degree of the Robinson College of Business. Students may not take courses for degree credit at another institution during the semester they expect to graduate from Georgia State University.

## 7020.20 Policy on Allowing Undergraduates to Take Graduate Courses

Students with a cumulative grade point average of 3.50 or higher who have at least 18 semester hours of credit at Georgia State University and who are in their senior year may petition to take up to two graduate courses in the Robinson College of Business in lieu of undergraduate courses. Students interested in petitioning should contact the Office of Undergraduate Academic Assistance for a statement of restrictions and procedures pertaining to this policy.

## 7020.30 Minimum Grade Requirements for B.B.A. Students

1. A grade of C- or higher is necessary to receive degree credit in the following required courses in the B.B.A. degree program: Engl 1101-1102, Acct 2101-2102, Econ 2105-2106, CIS 2010, BusA 2106; all the courses in the junior-year business core; the junior-year communication requirement; all the courses in the major; BusA 4980; the junior/senior RCB electives.
2. Students may not register for Engl 1102 or Acct 2102 until the first course in the given paired sequence is passed with degree credit (i.e., a grade of C or higher).  
In addition to the minimum grade requirements in these courses, a grade of C- or higher must be earned by actuarial science majors in Math 2215.

## 7020.40 Minimum GPA Requirement for All Students Enrolled in RCB Courses

Students, regardless of degree program or status, may not enroll in upper-level courses (those numbered 3000-4999) offered by the Robinson College of Business if their cumulative Georgia State University grade point average is below 2.50. Students should be aware of the following information and responsibilities:

1. This regulation will apply in early registration if the current cumulative Georgia State GPA is below 2.50.
2. Students who register for 3000/4000-level RCB courses in early registration but whose cumulative GPA falls below 2.50 at the end of the semester must amend their next semester's schedule in regular or late registration. The 3000/4000-level RCB course(s) must be dropped. The college's expectation is that students will act in a responsible manner in abiding by this regulation of the RCB faculty.
3. Students in their first semester at Georgia State are not affected by this regulation for that semester only.
4. Having only 3000/4000-level RCB courses remaining for degree credit is not justification for an exception to this regulation. The college encourages students to put forth their maximum effort throughout their academic career at Georgia State if they wish to avoid the time and expense involved in taking courses that do not count for degree credit. When this situation occurs, however, it is the college's position that students can always benefit from any course taken regardless of whether the course is part of the students' program of study.

## **7020.50 Course Sequencing Requirements**

Students are expected to proceed through the B.B.A. program in proper sequence to receive maximum benefit from their studies. Courses that are intended for the freshman through senior years are indicated by the course numbering system (1000 level through 4000 level, respectively). The lower-level courses taken in the freshman and sophomore years provide a foundation of general education on which the junior and senior years are based.

Sequencing requirements for all students and specifically for B.B.A. students follow. Students who violate any of the course sequencing requirements are subject to disenrollment by the college regardless of performance or time lapse and will be allowed a tuition refund in accordance with the university's refund schedule.

## **7020.60 Sequencing for All Students Enrolled in RCB Courses**

Students may not register for any 3000/4000-level course taught by the Robinson College of Business until they have earned at least 45 semester hours of college-level credit.

## **7020.70 Sequencing for B.B.A. Students**

B.B.A. students may not register for a course in the junior-year business core until Acct 2101, Acct 2102, Econ 2105, Econ 2106, and Math 1070 are completed with degree credit.

## **7020.80 Business Residence Requirement**

At least 50 percent of the business credit hours required for the B.B.A. degree must be taken in residence at Georgia State University. This regulation is a requirement of the college's accrediting body. These are the courses in the B.B.A. program that are considered "business credit hours:" Acct 2101, Acct 2102, BusA 2106, CIS 2010, Fi 3300, MGS 3100, MGS 3400, Mk 3010, BusA 4980, courses in the major (18-21 semester hours, depending on the major chosen), RCB electives (9-12 hours).

## **7020.90 Core Curriculum**

As stated in the "Core Curriculum" section (1410) of the "University Degree Requirements and Graduation" section of this catalog, the university complies with the requirements of the core curriculum of the University System of Georgia. The 60 semester hours of course work for the freshman and sophomore years of the B.B.A. program are designed to conform to that core.

Transfer students from institutions in the University System of Georgia who followed the core curriculum at their previous institution and earned sufficient grades in courses listed in areas A through E of the core curriculum will be granted transfer credit for those relevant courses. This may mean that credit will be granted for courses that differ from those which would be taken at Georgia State University, as shown in the curriculum listed below.

Transfer credit will be given in Core Area F of the B.B.A. program for students who were following the business transfer program at a two-year college or the business curriculum for a bachelor's degree at a four-year college or university in the University System of Georgia.

If a portion of a core area has been completed, then transfer credit for the corresponding portion at Georgia State will be granted.

## **7030 B.B.A. Degree Requirements**

Areas A through E of the undergraduate core curriculum make up the first 42 semester hours of the freshman and sophomore years of the Bachelor of Business Administration degree program. These requirements are listed in the "University Degree Requirements and Graduation" chapter of this catalog as part of the description of the university's core curriculum. Courses in the core curriculum that are recommended by the Robinson College of Business faculty are given in that description.

These suggestions reflect choices that will be particularly helpful in providing B.B.A. students with a strong foundation for Core Area F and the junior and senior years of the program.

The hours and course requirements for Core Area F, Business Foundation, and the junior and senior years are listed in this chapter. Please note the following information:

Refer to the “Business Residence Requirement” section, listed previously in this chapter, for information on the business credit hours that must be completed in residence at Georgia State University.

Students must have completed no fewer than 45 semester hours of college-level course work before taking 3000/4000-level courses in the Robinson College. Refer to the heading “Sequencing for All Students Enrolled in RCB Courses,” listed previously in this chapter.

Consult the course descriptions section for prerequisites and descriptions of courses listed below.

## 7030.10 Bachelor of Business Administration

### Program Summary

|                                           | <u>Semester Hours</u> |
|-------------------------------------------|-----------------------|
| Lower-Division (Freshman/Sophomore) Years |                       |
| Core Areas A-E                            | 42                    |
| Core Area F, Business Foundation          | 18                    |
| Subtotal                                  | 60                    |
| Upper-Division (Junior/Senior) Years      |                       |
| Junior Business Core                      | 15                    |
| Junior Communication Course               | 3                     |
| Major                                     | 18 - 21               |
| Junior/Senior RCB Electives               | 6 - 12                |
| Junior/Senior Electives Outside RCB       | 9 - 12                |
| Business Policy                           | 3                     |
| Subtotal                                  | 60                    |

**Total Semester Hours Required for the B.B.A. Degree: 120**

### B.B.A. Program Information

#### Lower-Division (Freshman/Sophomore) Years

**Core Areas A through E.** For courses that satisfy these requirements, refer to “University Degree Requirements and Graduation” of this catalog.

**Core Area F: Business Foundation.** (Minimum of grade of C- or higher is required in each course.)

|           |                                                     |
|-----------|-----------------------------------------------------|
| Acct 2101 | Principles of Accounting I                          |
| Acct 2102 | Principles of Accounting II                         |
| Econ 2105 | Principles of Macroeconomics                        |
| Econ 2106 | Principles of Microeconomics                        |
| CIS 2010  | Introduction to Computer-Based Information Systems* |
| BusA 2106 | The Legal Environment of Business*                  |

#### Upper-Division (Junior/Senior) Years.

**Junior Business Core.** (Minimum of grade of C- or higher is required in each course.)

|           |                                  |
|-----------|----------------------------------|
| BusA 3000 | Global Perspectives of Business  |
| Fi 3300   | Corporation Finance              |
| MGS 3100  | Business Analysis                |
| MGS 3400  | Managing People in Organizations |
| Mk 3010   | Basic Marketing                  |

**Junior Communication Course.** (Minimum of grade of C- or higher is required in this course.)

|           |                          |
|-----------|--------------------------|
| BCom 3950 | Managerial Communication |
|-----------|--------------------------|

**Major.** (Minimum of grade of C- or higher is required in each course.) The following major requires 18 semester hours in this portion of the curriculum:

Finance\*\*\*

The following majors require 21 semester hours in this portion of the curriculum:

Accounting  
 Actuarial Science  
 Computer Information Systems  
 Economics  
 Hospitality Administration  
 Managerial Sciences  
 Marketing  
 Real Estate  
 Risk Management and Insurance

Courses for each major should be selected after reviewing the appropriate school or department descriptions for each major that follow and, if needed, after consultation with a faculty adviser in the school or department that offers the major. The catalog describes each major and, if applicable, lists possible areas of specialization within the major. The required courses in each major, if any, are also listed in the school or department descriptions. The college reserves the right to amend this list of majors at the end of any semester.

**Junior/Senior RCB Electives.** (Minimum of grade of C- or higher is required in each course.)

Major requiring six semester hours of RCB electives: Actuarial Science. AS 4120 must be one of the RCB electives for actuarial science majors.

Major requiring nine semester hours of RCB electives: Accounting, \*\*\*\* Computer Information Systems, Economics, Finance, \*\*\* Hospitality Administration, Managerial Sciences, Marketing, Real Estate, Risk Management and Insurance.

These electives must be selected from 3000/4000-level courses in the Robinson College of Business that are outside the student's major and are not cross-listed with courses in the student's major. Majors other than economics may also select from the 3000/4000-level courses in the Department of Economics in the Andrew Young School of Policy Studies.

Refer to the online course listing at <http://www.gosolar.gsu.edu/webforstudent.htm> to determine the Georgia State college that teaches a course. Do not refer only to the course title. For example, course titles with the words "business," "management," or "administration" in them are not necessarily RCB courses.

A cross-listed course is indicated by the parenthetical statement "Same as . . ." after the title in the course descriptions.

**Junior/Senior Electives Outside RCB.** These electives must be selected from the 3000/4000-level courses taught by Georgia State colleges other than the Robinson College of Business. These electives enable the B.B.A. program to meet the breath requirement of the college's accrediting body and cannot be taken in the Robinson College. Economics majors may not choose any economics courses for these electives.

Exceptions to the requirement that non-RCB electives be 3000- or 4000-level courses: Math 1070, 2211, 2212, 2215, and 2420 may be taken to satisfy all or part of the non-RCB elective requirement if the student will still have a minimum of 39 upper-level semester hours to complete at Georgia State. This provision ensures that the student will meet the university's academic residence requirement.

For the following two specific majors, these required 2000-level mathematics courses may be used to satisfy part of the non-RCB elective requirement:

Actuarial Science: Mathematics 2211, Mathematics 2212, and Mathematics 2215 (grade of C- or higher required in Math 2215). These courses carry four semester hours of credit each. If the student's mathematics background permits beginning this calculus sequence in Core Area A or D (in place of college algebra and/or precalculus), three-semester-hour courses that meet the requirements for non-RCB electives will replace Mathematics 2211 and/or Mathematics 2212. Thus, this portion of the curriculum can range from 10 to 12 semester hours.

Computer Information Systems: Mathematics 2420.

**Business Policy.** (Minimum of grade of C- or higher is required in this course.)

BusA 4980 Strategic Management Policy

\* Students who transfer from other institutions in the University System of Georgia and have taken other approved courses in the Core Area F for business will take CIS 2010 and/or BusA 2106, as appropriate, in the Junior/Senior RCB electives section.

\*\* Majors in actuarial science take AS 4130, Mathematical Theory of Statistics II.

\*\*\* Finance majors must take Acct 4210 as one of the RCB electives. The finance major requires an additional three semester hours that are either an RCB elective or a 4000-level finance course.



## 7030.20 Information Technology Access and Skill Requirements

**Access Requirements:** Because information technology is an integral part of business decision-making, courses in the Robinson College of Business frequently incorporate assignments that require computing skills. Consistent with university policy available at <http://www.gsu.edu/~wwwist/policies.html>, the Robinson College requires students to be responsible for providing computer and Internet access for all RCB courses and programs.

**Hardware and Software Requirements:** Georgia State has standardized on the Microsoft Office Suite in the student computer labs. For current information about hardware and software configurations and Internet service providers, see the website at

<http://www2.gsu.edu/~wwwets/index.html>. Students may consult the university's Office of Student Financial Aid for information about possible funding opportunities for computer and Internet access expenses.

**Skill Requirements:** Although students can expect to enhance their information technology skills as they work toward their degrees, the college expects all students to have certain basic skills before enrolling in any business course. These skills are defined as Basic Microcomputing Skills and are described below in the CSP 1 skills definition.

When courses require additional computing skills, these Computing Skill Prerequisites (CSP's) are listed by number in the catalog course description.

## 7030.30 Computing Skills Prerequisites(CSPs)/Definitions

**CSP 1. Basic Microcomputing Skills:** Understand the PC and its components; turn on the PC; use command-oriented, windows-based, and LAN operating environments to accomplish tasks such as formatting floppy disks, creating and navigating through directories and subdirectories, creating and deleting files, copying and renaming files, using help screens, loading application software, exiting from application programs and operating environments in an orderly manner, and using appropriate measures to check for and prevent the spread of computer viruses.

**CSP 2. Basic Microcomputing Spreadsheet Skills:** Load the spreadsheet software; create, organize, and navigate through spreadsheets; format the spreadsheet or a block of cells; enter and edit formulas, values, and text; copy, move, and protect cells; insert and delete columns and rows; save and retrieve files; print spreadsheets; use financial, statistical, and mathematical functions such as totaling and averaging of rows and columns; create and print charts and graphs, create data tables, invoke existing macros, and use help screens.

**CSP 3. Advanced Microcomputer Spreadsheet Skills:** Use advanced spreadsheet features such as database commands and functions; create macros; create menu systems; and develop customized applications.

**CSP 4. Basic Microcomputer Database Skills:** Load database software, create databases; enter and edit data; add and delete records; list, query, and generate reports using the database; and use help screens.

**CSP 5. Advanced Microcomputer Database Skills.** Link databases through keys; create input screens; and develop customized applications.

**CSP 6. Word Processing and Presentation Skills, *For word processing:*** Load the word processing software; create, format, edit, and save documents; copy and move text; adjust margins, indents, and line space; adjust fonts and styles. ***For presentation graphics:*** Load the presentation graphics software; choose and modify templates; choose and modify slide layouts; insert slides; modify slide, handout, and note masters; change color schemes; apply effects, animation, and multimedia to slides; run a slide show. ***For both:*** Import tables, clip art, and graphs from other applications; use spell-checking; load additional toolbars; use help screens.

**CSP 7. Basic Internet Usage:** Send and receive Email messages including attachments of files; transfer files with FTP, compress and uncompress files with utility programs; use search engines to locate documents and find information on the web; navigate the web with a browser including copying/pasting/saving web information; download and set up web browser plug-in programs such as electronic document readers and audio/video players; use web-based clients such as library catalog systems to find specific information.

**CSP 8. Advanced Internet Usage:** Create formatted \*.html pages with tags including links within and between pages; publish pages to a website; create image files and embed them in \*.html pages.

## 7040 Office of Undergraduate Academic Assistance

315 Robinson College of Business Building  
35 Broad Street, 404/651-1913, Fax: 404/651-0219  
<http://robinson.gsu.edu/academic/ouaa/index.html>  
M. Colleen Joyce, Director  
Joyce A. Cox, Senior Undergraduate Advisor  
Tracy Ivery, Senior Undergraduate Advisor  
Katherine Sanderson, Undergraduate Advisor

Students should regularly consult the following website for updates and changes to the B.B.A. program and college regulations that occur after publication of this catalog and for other notices of interest to undergraduate students:  
<http://robinson.gsu.edu/academic/ouaa/updates.html>.

The Robinson College of Business provides the Office of Undergraduate Academic Assistance for the benefit of its students.

**Mission:** This office supports the college's mission of and commitment to academic excellence by assisting enrolled students in the development of meaningful educational plans that are compatible with their life goals. The office helps undergraduate students become knowledgeable about academic programs, pertinent regulations, and services available throughout the university.

**Areas of responsibility:** To support the undergraduate aspects of its mission, the Office of Undergraduate Academic Assistance works with B.B.A. students in these areas:

- to provide programs of study for each major offered by the college;
- to indicate to transfer students the specific credits for work done at other institutions which can be applied toward the B.B.A. degree;
- to assist students in course selections and schedule revisions each semester;
- to explain catalog regulations;
- to administer policies for the college and the university;
- to refer students to other sources of help in the university.

Students are advised by appointment except during walk-in times that are provided for brief questions that can be resolved in ten or fewer minutes. Walk-in advisement is 10 a.m. - 11 a.m. on Monday, Wednesday and Friday and 2 p.m. - 3 p.m. on Tuesday. Additional walk-in hours are available during some phases of registration. Contact the Office of Undergraduate Academic Assistance for dates and times. Appointment hours are 8:30 a.m. - 5 p.m. on Monday, Tuesday, Wednesday, and Friday and 8:30 a.m. - 1 p.m. on Thursday.

## 7040.10 Advisement

To ensure orderly progression through the degree program, students are urged to keep their catalogs and evaluations of credits readily available and to refer to them frequently as they schedule courses each semester. Students' familiarity with their degree requirements is the foundation for advisement provided by the college.

B.B.A. students can be advised by academic advisers in the Office of Undergraduate Academic Assistance as described in the preceding section. Advisement from this office is not mandatory for the B.B.A. program, but the college encourages students with questions about their degree requirements or the academic regulations of the college or university to contact their adviser.

All students also may consult faculty members in the academic units of the college with questions about course content or for help in selecting major courses after reviewing the description of the major in the catalog. Students should contact the academic unit in advance to arrange a conference with a faculty adviser.

Professional assistance in selecting a career area is available through the university's Counseling Center, 106 Courtland Street; the services of this center are described in the "Student Life and Services" chapter of this catalog.

## 7040.20 Robinson Career Management

The Robinson Career Management Center is dedicated to facilitating the professional development of our Undergraduates, Graduate Students, and Alumni in order to enhance their career progression. In addition, we provide employers with a central gateway for recruiting current students and alumni.

## 7040.20 Undergraduate Career Management Center

605 RCB Building  
 404/651-1913

Bill Woolery, Director

**Mission:** The mission of the Robinson Career Management Center is to expand the level of professional development services we offer to our Robinson College undergraduate Business students and to enhance our relationship with the Business Community.

**Services:** The following services are available to undergraduate Business students in the Robinson College of Business:

- A.) One on one career advising
- B.) Resume and cover letter critiques
- C.) Job and professional development workshops
- D.) Recruiting services for area companies

## 7050 Student Appeals Procedure (See Addendum)

~~**Admissions Appeals:** At the undergraduate level, admission decisions are made by the university rather than the colleges. The university's Office of Undergraduate Admissions should be contacted for the proper procedure.~~

~~**Appeal of Course Grades:** The process of appealing a course grade is as follows:~~

- ~~1. A student should first review the situation with the instructor who assigned the grade. If the question is not resolved, the student may appeal, in writing, to the department chair of the instructor who assigned the grade, sending a copy of the letter to the instructor. The letter must include all points that the student considers to be germane to the appeal; additional points not contained in the initial letter cannot be considered subsequently. The written appeal must be sent to the department chair within 30 calendar days of the first day of classes of the semester immediately following the semester in which the grade was given. If the final grade assignment occurred at a time other than the normal grade reporting process at the end of the semester, the written appeal must be sent to the department chair within 30 calendar days of the date the final grade was assigned. Normally, the chair's decision will be conveyed to the student, in writing, within three weeks of the date the student's written appeal is received.~~
- ~~2. A student who believes that the appeal was handled in an arbitrary, capricious, or discriminatory manner at the departmental level may appeal in writing to the associate dean. The written appeal must be received within 14 days of the date of the letter from the department chair, and it must indicate specifically why the student believes that due process was not exercised at the department level. The associate dean will examine the facts and review the appeal with the dean of the college. The dean will then render a written decision for the college within 45 days of the date of the letter from the department chair.~~
- ~~3. A subsequent appeal requires a written statement to the vice president for academic affairs indicating the basis of the appeal. The statement must be received within 14 days of the date of the dean's letter to the student.~~

~~**Appeals of Suspension and Exclusion:** At the undergraduate level, appeals related to scholastic suspension or scholastic exclusion are considered by the university's Student Advisement Center. That office should be contacted for the proper procedure.~~

### ~~7050.10 Student Petitions Procedure~~

~~Requests from students for waiver of specific requirements of the college or substitution of courses in the B.B.A. degree program should be submitted in writing to the Office of Undergraduate Academic Assistance four weeks prior to the event to which the petition relates. No guarantee can be made that decisions on petitions will be made before registration if they are submitted close to the beginning of or during a registration period.~~

~~Using the college's standard petition form is encouraged; students must follow the directions given on the form for presenting a properly prepared petition. A letter may be acceptable without the standard petition form if the letter states clearly and completely the facts relevant to the petition. For any situation or claim that can be documented, proper documentation should be submitted with the petition. Only circumstances described in the written and signed petition will be accepted from the student; oral petitions are not permitted, nor are requests to submit additional information after the petition has been reviewed.~~

~~Appropriate faculty and/or administrative staff, as determined by the dean of the college, will review the petitions. Students will receive a written response from the dean's designee normally within 15 workdays from the date the petition is received. (Work days are counted as Monday through Friday except university holidays.)~~

## 7060 College Honors Day

Each spring semester a College Honors Day is observed to recognize students in the Robinson College of Business for their academic excellence.

## 7070 Beta Gamma Sigma

Membership in Beta Gamma Sigma is the highest general scholastic honor a business student can receive at Georgia State University, and it is recognized as such throughout the academic and business communities. Nominations for membership in this national honorary business fraternity occur early in spring semester. Second-semester juniors who are in the upper seven percent of their class and seniors in the upper ten percent of their class are eligible for nomination.

## 7080 Business Learning Community

The Robinson College of Business offers a special Business Learning Community (BLC) for sophomore students in the fall and spring semesters. The BLC builds on the successful model of the Freshman Learning Community, giving students an integrated business curriculum and providing them with an introduction to the many programs offered in the Robinson College of Business. (See the Freshman Learning Community heading in a later chapter of this catalog.) Enrollment in the BLC is on a first-come/first-serve basis and requires a minimum 3.00 Georgia State GPA.

Students who are not a declared major in the Robinson College may be interested in the BLC program as the basis for a business minor. For students who are undecided about their major but have an interest in business, the BLC is a good way to get exposure to some business disciplines with required courses in the B.B.A. program. One of the major benefits of the BLC program is that its structure allows students to take multiple classes with a group of classmates, providing opportunities to work and learn together. The classes in the learning community are limited to 40 students, providing opportunities for more interaction with professors.

The Business Learning Community consists of the following grouping of courses:

### Fall Semester:

Econ 2105 Principles of Macroeconomics  
 Acct 2101 Principles of Accounting I  
 BusA 3000 Globalization and Business Practices  
 Plus two additional three-hour courses of the student's choice.

### Spring Semester:

Econ 2106 Principles of Microeconomics  
 Acct 2102 Principles of Accounting II  
 BusA 2106 Legal Environment of Business  
 Plus two additional three-hour courses of the student's choice.

For questions, phone (404/651-2895) or Email Dr. Marta Szabo White (mwhite@gsu.edu), BLC Faculty Adviser and Assistant Professor of Managerial Sciences.

## 7090 Departments and Faculty

### School of Accountancy

5th floor, Robinson College of Business Building,  
 404/651-2611

Galen R. Sevcik, Director

Siva Nathan, Undergraduate Program Coordinator

Faculty: Borthick, Brown, Chen, Clark, Fenn, Giovinazzo, Hannan, Hugon, Huss, Joe, Larkins, Lee, Messier, Mutchler, Nathan, North, Pinello, Ransopher, Richards, Sevcik, Springer, Sriram

### Department of Computer Information Systems

9th floor, Robinson College of Business Building  
 404/651-3880

Mark Keil, Chair

Carl Stucke, Associate Chair

Faculty: Baskerville, Gallivan, Harris, Hubona, Johnson, Keil, Liegle, Lipp, McDonald, McLean, Meso, Moore, Ramesh, Robey, Robinson, Senn, Sergo, Storey, Straub, Stucke, Truex, Vaishnavi, Varshney, Wareham, Welke

### **Department of Economics**

5th floor, Abdrewe Young School of Policy Studies  
404/651-2626  
James R. Alm, Chair

### **Department of Finance**

12th floor, Robinson College of Business Building  
404/651-2628, Fax: 404/651-2630  
<http://robinson.gsu.edu/finance>  
Gerald D. Gay, Chair  
Faculty: Agarwal, Appeadu, Eisemann, Fendler, Gay, Greene, Kale, Kini, Mahani, Mettler, Owers, Ruff, Ryan, Shrikhande, Smith, Tkatch

### **Institute of Health Administration**

635 Robinson College of Business Building  
404/651-2637  
Andrew T. Sumner, Director  
Faculty: Branscomb, Curry, Custer, Farnham, Johnston, Ketsche, Mansfield, Scott, Sumner

### **Cecil B. Day School of Hospitality Administration**

210 Robinson College of Business Building  
404/651-3512  
Debra F. Cannon, Director  
Faculty: Barber, Cannon, Ferreira, Johanson, Pavesic, Robbe

### **Institute of International Business**

800 Robinson College of Business Building  
404/651-4057  
Joan Gabel, Director  
Faculty: Arian, Beach, Bruce, Carrillo, Dakhli, Danis, Fazlollahi, Gabel, Loch, Senn, Silloway

### **Department of Managerial Sciences**

10th floor, Robinson College of Business Building  
404/651-3400  
Todd Maurer, Chair  
William C. Bogner, Associate Chair  
Faculty: Arian, Barr, Bogner, Bunch, Butler, de Koning, Dhawan, Duhaime, Forquer, Gilbert, Gregoire, Hill, Houghton, Kaufman (joint appt.), Lambert, Levine, Maurer, McClurg, Miles, Nargundkar, Oviatt, Palladi, Park, Rai (joint appt.), Reilly, Robey (joint appt.), Samaddar, Schutz, Srivastava, Tepper, Thachenkary, Turner, Wallace, Whalen, White, Whiting, Xia, Zhang

### **Department of Marketing**

13th floor, Robinson College of Business Building  
404/651-2740  
Edward E. Rigdon, Chair  
Faculty: Barksdale, Bellenger, Bello, Bernhardt, Boles, Curasi, Dadzie, Donthu, Ellen, Eroglu, Heuring, Johnston, Langford, Lemley, Lohtia, Moschis, Nasser, Pilling, Rigdon, Royes, Thornton, Verhage, Walgren, White, Willis, Wysor

### **Department of Real Estate**

14th floor, Robinson College of Business Building  
404/651-2760  
Julian Diaz III, Chair  
Faculty: Black, Diaz, Gallimore, Gibler, Grissom, Rabianski, Ziobrowski

### **Department of Risk Management and Insurance**

11th floor, Robinson College of Business Building  
404/651-2725

Sanjay Srivastava, Chair

Faculty: Binder, Ciccotello, Cox, Custer, Elger, Feldhaus, Gabel, Gaunt, Grace, Kartasheva, Klein, Mansfield, Oakley, Palmer, Phillips, Richardson, Schneider, Sherman, Skipper, Srivastava, Subramanian, Tredway, Wang, Willey

## 7100 School of Accountancy

### Programs Offered:

#### **B.B.A. in Accounting**

5th floor, Robinson College of Business Building,  
404/651-2611

Galen R. Sevcik, Director

Siva Nathan, Undergraduate Program Coordinator

Course prefix: Acct

The undergraduate accounting program is designed to provide the foundation-level technical and analytical accounting knowledge and skills needed to become a professional in the accounting field and to pursue a fifth (graduate) year of accounting study. The primary emphasis of the program is preparation for students who wish to apply for admission to the Master of Professional Accountancy program. In addition, the program is designed to provide appropriate preparation for entry-level positions in business and for graduate study in law or other business fields. The B.B.A. in accounting focuses on broad business and accounting exposure based on a sound foundation of general education.

Accountants today are expected to participate extensively in the general area of business management. The profession of accountancy is becoming increasingly divergent, encompassing such areas as financial and operational auditing, operations research, information systems development and assurance, financial reporting, corporate tax planning, and cost analysis and control.

In recognition of the advisability of acquiring a broadly based education in liberal arts and general business subjects, as well as the necessity of a thorough foundation in the highly specialized and diversified fields of accounting, a person desiring a career in accounting is encouraged to complete the entire professional program of study leading to the Master of Professional Accountancy degree.

### 7100.10 Program Admission

There are no admission requirements specific to the Accounting program. However, Accounting students are required to meet all University and College admission requirements.

### 7100.20 Program Financial Information

There are no special fees associated with majoring in Accounting. However, Accounting majors must pay all tuition and fees charged by the University and the College.

### 7100.30 Program Academic Regulations

#### **Minimum Grade Requirement To Satisfy Prerequisites To Any Acct Course:**

A minimum of grade of C- is required to satisfy the prerequisites to any accounting course.

**Minimum Grade Requirement to enroll in Acct 4020, Acct 4030, and Acct 4210:** Students need a B- average or higher in their most recent attempts in Acct 2101 and Acct 2102, in order to enroll in Acct 4020, Acct 4030, Acct 4210.

**Limits on course attempts:** A student may take a 4000-level accounting class for a grade a maximum of two times.

**Required Major Courses (credit hours):** Acct 4020(1), Acct 4030(1), Acct 4110(4), Acct 4210(3), Acct 4310(3), Acct 4410(3), Acct 4510(3), and Acct 4610(3), for a total of 21 credit hours. Students are advised to take Acct 4020, Acct 4030 and Acct 4210 in the same semester.

**Recommended Courses:** Psyc 1101 or Soci 1101 as the Core Area E social science electives; Lgls 4050 as an RCB elective; and Phil 3730 as a non-RCB elective. Recommended courses for students planning to enter the Master of Professional Accountancy's accounting systems specialization, Math 2420 as a non-RCB elective; CIS 3260 as an RCB elective;

**Other Requirement:** Transfer credit toward the accounting major courses may not be more than five years old at the time the student enrolls. Students who reenroll after an absence of more than two years may retain major credit only for course work that is less than five years old at the time of reenrollment; this includes Georgia State credit and transfer credit.



## 7100.40 Certified Public Accountant (CPA) Examination

**Taking the Uniform Certified Public Accountant (CPA) examination in the state of Georgia:** Beginning with the November 2003 administration of the Uniform CPA Examination, candidates may qualify to take the examination based on having earned a baccalaureate degree with a concentration in accounting. A concentration in accounting is defined as completion of 20 semester hours in accounting subjects above the principles level at a 4-year accredited college or university that offers a baccalaureate degree.

**Obtaining a license to practice as a Certified Public Accountant (CPA) in the state of Georgia:** A candidate must pass the CPA Exam and meet additional educational and work experience requirements, to obtain a license to practice as a CPA. Students must have completed no fewer than 150 semester hours of college credit, of which 30 semester hours have to be in accounting above the principles level and 24 semester hours in general business subjects. An applicant who meets the general, educational, and examination requirements will be issued a license to practice as a CPA upon presenting evidence that such applicant has attained two years, including 4,000 hours, of continuous experience in public accounting, under the supervision of a person licensed to practice public accounting, immediately preceding the date of application for the certificate. Five years, including 10,000 hours, of continuous employment in the accounting field in business or industry, under the supervision of a person licensed to practice public accounting, or in government or college teaching, may be accepted in lieu of the aforementioned experience requirement. Part-time experience is permitted if it is continuous.

Students may take the CPA Exam after obtaining their undergraduate degree in accounting from Georgia State University. However, the School of Accountancy recommends that students meet the licensing requirements of the law by being admitted to either the Master of Professional Accountancy or Master of Taxation degree programs after completing an undergraduate degree. Students who plan to enroll at the master's level should become aware of the admission requirements early in their undergraduate studies; a strong academic record and satisfactory scores on the Graduate Management Admission Test are important factors in master's-level admission.

## 7110 Department of Computer Information Systems

### Programs Offered:

#### B.B.A. in Computer Information Systems

9th floor, Robinson College of Business Building

404/651-3880

<http://www.cis.gsu.edu/>

Mark Keil, Chair

Carl Stucke, Associate Chair

Course prefix: CIS

In today's highly competitive global environment, the effective deployment of information technology has become the key to organizational success. There is a continuing shortage of individuals with the combination of business and technology skills needed to develop and manage information systems that provide competitive advantage in the global marketplace. The mission of the CIS major in the B.B.A. program is to produce graduates able to fill this need. Students will learn how to combine their general business knowledge with the latest software engineering tools and techniques to create information systems needed by today's organizations. Graduates will be prepared for careers in a variety of areas such as consulting, systems development, database administration, network deployment and support, web-based systems design and development, and programming.

The Department of Computer Information Systems cooperates with the Department of Health Administration to offer a specialization in Health Informatics of the CIS major. The purpose of this specialization is to produce graduates that know how to effectively deploy information technology to innovate medical services and administrative processes within the healthcare industry. The Department of Computer Information Systems cooperates with the Department of Mathematics and Statistics in offering a concentration in computer information systems associated with the degree Bachelor of Science with a major in mathematics. This program is described under the offerings of the Department of Mathematics and Statistics in the "College of Arts and Sciences" chapter of this catalog.

### 7110.10 Program Admission

There are no admission requirements specific to the Computer Information Systems program. However, Computer Information Systems students are required to meet all University and College admission requirements.

## 7110.20 Program Financial Information

There are no special fees associated with majoring in Computer Information Systems. However, Computer Information Systems majors must pay all tuition and fees charged by the University and the College.

## 7110.30 Program Academic Regulations

**Required Major Courses:** All undergraduate CIS majors must complete CIS 3300 Systems Analysis, CIS 3310 Systems Design, CIS 3730 Database Management, and either CIS 4970 Field Study in Computer Information Systems or CIS 4980 System Development Project. Other courses required include one upper-level CIS elective and a “programming track” consisting of a beginning and an intermediate course in a two-course sequence. The student may choose from one of two tracks: (1) An Internet programming track (CIS 3260, CIS 3270); or (2) A visual programming track (CIS 3210, CIS 3215). Please see <http://www2.cis.gsu.edu/cis/program/syllabus/index.asp> for additional information about these courses.

In addition: (1) transferred programming courses must be equivalent to programming languages taught at Georgia State, and (2) students may take CIS 4970 or CIS 4980 only after completion of all required 3000-level business core and CIS courses.

**Other Required Course:** Math 2420 before any upper-level CIS course is taken. This course can be taken in place of a non-RCB elective.

**Other Requirements:** (1) Transfer credit toward the CIS major courses may not be more than five years old at the time the student enrolls. Students who reenroll after an absence of more than two years may retain major credit only for course work that is less than five years old at the time of reenrollment; this includes Georgia State credit and transfer credit. (2) CIS 2010 is an undergraduate student requirement. Graduate students fulfilling foundation course requirements are not required to take CIS 2010.

All CIS students must be proficient in the series of Computing Skills Prerequisites (CSP 1-8) listed in this catalog.

**CIS Internship Program:** The CIS department coordinates a limited number of internships for undergraduate CIS majors. These internships are with Georgia organizations and are subject to availability. For information and an application form, please visit <http://www2.cis.gsu.edu/cis/internship/index.asp>.

## Health Informatics

The healthcare sector plays an increasingly important role in the US society and there is growing pressure to implement innovations that make it possible to deliver health services of higher quality and at lower costs. Healthcare institutions and processes are information-intensive in nature and the use of information technology (IT) to enable innovations has therefore been, and continues to be, in focus. On this background, there is a strong need for graduates that know how to effectively deploy information technology to innovate medical services and administrative processes within the healthcare industry. To graduate with a specialization in Health Informatics, students are required to complement a CIS major with the following RCB electives in Health Administration (9 hours): The Health Care System (HA 3900); Health Policy in the U.S. (HA 3910); Health Information Systems (HA 3970).

## 7120 Department of Economics

### Programs Offered:

#### B.B.A. in Economics

6th floor, Robinson College of Business Building  
404/651-2626  
James R. Alm, Chair  
Course Prefix: Econ

The Department of Economics is part of the Andrew Young School of Policy Studies. For economics faculty listing, see the Department of Economics heading in the “Andrew Young School of Policy Studies” chapter of this catalog.

Economics examines the material prosperity of countries and their citizens in an interdependent world of limited resources and technological change. In doing so, it studies how decisions are made by private businesses, governments, and households in producing, consuming, and distributing goods. In general, economics is concerned with how society can obtain the greatest output from its limited resources. Economics is also concerned with monetary arrangements and their impact upon purchasing power and economic performance.

Economic principles yield basic insights into the workings of the market system and the national and international environment within which business operates. These principles provide analysis that is fundamental to understanding the organization and decisions of the government, business, and financial sectors. Economics also develops criteria for assessing the

performance of the market systems and of governments regarding their efficiency and their impact upon the well being of consumers and workers.

Recent graduates with majors in economics have accepted positions as financial analysts for a real-estate financing firm and a major bank and as general manager for a recording studio, as well as having been accepted to prominent graduate programs in law and economics.

### **7120.10 Program Admission**

There are no admission requirements specific to the Economics program. However, Economics students are required to meet all University and College admission requirements.

### **7120.20 Program Financial Information**

There are no special fees associated with majoring in Economics. However, Economics majors must pay all tuition and fees charged by the University and the College.

### **7120.30 Program Academic Regulations**

**Required Major Courses:** Econ 3900, 3910, and five other 4000-level economics courses approved by a B.B.A. faculty adviser. Econ 3900 and 3910 provide theoretical background for 4000-level courses and should be taken as soon as possible.

**Advisement for Major Courses:** Economics majors must contact a B.B.A. faculty adviser in the department to discuss their selection of major courses and to file a program plan. A copy of this plan will be sent to the RCB Office of Undergraduate Academic Assistance to use in preparing evaluations of credit and graduation audits. The following course groupings are offered merely as suggestions for students with interests in the areas listed.

Business: Econ 4300, 4470, 4500, 4700, 4800, 4810, 4950, 4960.

Local, State, or Federal Government: Econ 4210, 4220, 4300, 4350, 4400, 4470, 4500, 4950.

Foreign Service or International Business: Econ 4500, 4600, 4700, 4800, 4810.

Pre-Law: Econ 4470, 4680, 4800, 4810, 4960.

Graduate Studies in Economics: Econ 4320, 4930, 4950.

Graduate Studies in Business: Econ 4470, 4500, 4700, 4810, 4930, 4950, 4960.

Graduate Studies in Human Resource Management: Econ 4470, 4950, 4960.

Graduate Studies in the Social Sciences: Econ 4080, 4350, 4390, 4600, 4680.

## **7130 Department of Finance**

### **Programs Offered:**

#### **B.B.A. in Finance**

12th floor, Robinson College of Business Building

404/651-2628, Fax: 404/651-2630

<http://robinson.gsu.edu/finance>

Gerald D. Gay, Chair

Course Prefix: Fi

The goal of the undergraduate finance program is to prepare graduates to succeed in entry-level positions in finance and elsewhere in business. Careers in finance are available in nearly every organization from the small entrepreneurial firm to the large corporate organization as well as in the financial services industry including commercial and investment banking, insurance organizations and securities firms. Students completing the finance program will possess a number of proficiencies including a strong technical knowledge of finance, the ability to critically analyze and solve problems associated with the financial operations of a firm, and to prepare and present business reports of a financial perspective.

### **7130.10 Program Admission**

There are no admission requirements specific to the Finance program. However, Finance students are required to meet all University and College admission requirements.

## 7130.20 Program Financial Information

There are no special fees associated with majoring in Finance. However, Finance majors must pay all tuition and fees charged by the University and the College.

## 7130.30 Program Academic Regulations

Notice to all students: A minimum grade of C- is required to satisfy the prerequisites to any finance course.

**Required Major Courses:** Fi 4000 (six semester hours), Fi 4020, and three additional 4000-level finance courses. See the recommended sequence below.

**Recommended Sequence:** The Department of Finance encourages all students pursuing a major in finance to take Fi 4000 and Fi 4020 early in their program of study. Fi 4000 is a prerequisite to all 4000-level finance courses except Fi 4020. Students may take Fi 4000 and Fi 4020 in any order or concurrently.

The following sets of electives in the major are suggested for those students who wish to develop particular expertise in various fields of finance. These are simply suggestions.

Corporate: Fi 4300, 4320, 4200 or 4040.

Financial Institutions: Fi 4400, 4420, 4200 or 4040 or 4300.

Investments: Fi 4200, 4240, 4040 or 4300

**Other Required Course:** Acct 4210 must be taken in place of one course in the Robinson College of Business electives portion of the program.

**Other elective option:** One three-semester-hour elective can be chosen from the 4000-level finance courses or from the other 3000/4000-level courses taught by the Robinson College of Business.

**Suggested electives:** Acct 4010, RE 4150, and RE 4160 are suggested as RCB electives.

## 7140 Institute of Health Administration

635 Robinson College of Business Building

404/651-2637

Andrew T. Sumner, Director

Course Prefix: HA

Health care represents the largest single sector of the economy, and many students will ultimately assume professional roles in fields that interact with health care in some manner. Health administration careers are available in many businesses and health care organizations in areas such as hospital and health system administration, physician practice management, consulting, research, marketing, information systems, managed care administration, finance, accounting, compliance, and human resources management. Since all consumers are part of an increasingly complex health care system, health administration courses are relevant and appropriate for all undergraduate majors.

Upper-level elective courses in health administration, perspectives courses in the core curriculum, and freshman learning communities are offered for those interested in acquiring general knowledge of the health care system, particularly those considering careers related to health care such as physicians, nurses, or other providers. Specifically, HA 3900, Introduction to the U.S. Health Care System, which offers introduction to the organization of health care delivery in the U.S., HA 3910, Health Policy in the United States, which examines how health care policy is developed, and HA 3970, Health Information Systems, which provides an overview of information systems in healthcare, are three elective courses. A health informatics specialization is available in the BBA computer information systems major. Although no BBA major is available in health administration, graduate degree programs are offered: Master of Business Administration/Master of Health Administration joint programs, Master of Science in Health Administration, and the MBA with a concentration in health administration.

The Institute of Health Administration at Georgia State University has a primary mission to prepare future executives to assume responsible managerial positions in health services and business organizations. It is the only program in North Georgia accredited by the Commission on Accreditation of Healthcare Management Education and is a full member of the Association of University Programs in Health Administration. Over 1000 graduates hold numerous executive positions in health care and business throughout the nation.

## 7150 Honors Program

Robinson College of Business

Suite 1001

404/651-2895

<http://robinson.gsu.edu/rcbhonors>

Marta Szabo White, Director

## **Purpose**

The Honors Program provides a cohort learning experience for top undergraduate Robinson College of Business (RCB) majors who strive to excel academically and accept the challenge of becoming strong, exemplary global business leaders. Honors classes will be offered for the junior business core courses, junior communications course, RCB electives, and Business Policy (capstone). A total of 27 hours of honors classes must be taken to graduate with honors. Students are strongly encouraged to participate in a study abroad program. In addition, at least one professional/social event for the RCB Honors students will be offered each semester. Honors students will also have the opportunity to network with Atlanta business professionals by serving as RCB student ambassadors at both the RCB Hall of Fame dinner and RCB Alumni Awards program. The RCB Honors Program presents students with a forum for unique opportunities, special recognitions and enhanced career prospects, while enriching the quality of their education.

## **Admission**

Full-time students majoring in business who have completed at least 45 hours with a GSU grade point average of 3.5, or junior transfers who have a transfer GPA of 3.5 and SAT score of 1200 may apply. An interview with the faculty director of the RCB Honors Program is required for admission into the program. Students who have participated in the Freshmen and/or Business (sophomore) Learning Communities are encouraged to apply.

## **Scholastic Standards**

Students must maintain a 3.5 grade point average (GPA) in order to remain in the honors program. A student whose average falls below 3.5 will be given up to two academic terms in which to attain a 3.5 GPA again.

## **Honors Recognition**

Students who complete the RCB Honors program will receive special recognition at the RCB Honors/Awards program. In addition, the recognition will be recorded on the student's transcript and diploma with an honors seal.

## **Honors Housing**

RCB honors students will have the opportunity to live at the special Honors section of student housing.

# **7160 Cecil B. Day School of Hospitality Administration**

## **Programs Offered:**

### **B.B.A. in Hospitality Administration**

210 Robinson College of Business Building  
404/651-3512  
Debra F. Cannon, Director  
Course Prefix: HAdm

The mission of the Cecil B. Day School of Hospitality Administration is to provide leadership in the development of students for managerial roles in the hospitality and tourism industries, scholastic contributions to its constituencies, and service to the industry at the local, regional, national, and international level.

The primary goal is to provide a well-integrated curriculum incorporating courses in the arts, sciences, general business theory, and hospitality applications that will prepare our students for management positions in the hospitality industry.

The Cecil B. Day School of Hospitality Administration was named in honor of the late founder of the Days Inn Hotel chain. Cecil B. Day is remembered as an astute businessman who developed Days Inn to national prominence. He was equally respected because he gave freely of his time and wealth to worthy organizations. His legacy of excellence is the foundation upon which the program bases its philosophy for preparing future generations of hospitality executives.

The Cecil B. Day School of Hospitality Administration prepares its graduates for management careers in the following hospitality industry segments: hotel, restaurant, private club, food service, tourism, event planning, meeting planning, festivals, and trade shows. Graduates are awarded a bachelor of business administration degree with a major in hospitality administration.

Students majoring in hospitality administration will take 21 semester hours of required HAdm courses. These core courses will give the student a general knowledge of all segments of the hospitality industry. Specialized elective courses and work study experience allow students to gain additional insight regarding specific industry segments.

The school has the support of local, regional, and national hospitality executives. Georgia State University was the first institution of higher education to offer specialized courses in fair and trade show management. The school was chosen by the Club Managers Association of America to develop, produce, and direct their Business Management Institute for certification of



club managers across the United States. The school is an approved location for testing for the National Restaurant Association and the Educational Institute of the American Hotel and Motel Association's certification courses.

The program was accredited in 1992 by the Accreditation Commission on Programs in Hospitality Administration, a specialized accrediting body. The program is an institutional member of the International Council on Hotel, Restaurant and Institutional Education, the principle academic and professional association for hospitality education programs.

The faculty of the program call upon practitioners to lecture on specialized industry topics. Industry managers and executives work with faculty and college administration to maintain a program relevant to industry needs. The school offers a mentoring program for hospitality majors as well as scholarships awarded annually.

## 7160.10 Program Admission

There are no admission requirements specific to the Hospitality Administration program. However, Hospitality Administration students are required to meet all University and College admission requirements.

## 7160.20 Program Financial Information

There are no special fees associated with majoring in Hospitality Administration. However, Hospitality Administration majors must pay all tuition and fees charged by the University and the College.

## 7160.30 Program Academic Regulations

**Required Major Courses:** HAdm 3010, 3401, 3402, 3720, 3750, 3760, 4100, 4800.

**Robinson College of Business (RCB) Electives:** As an exception to normal degree requirements, HAdm majors are required to select RCB electives from courses in the hospitality major. This exception is provided to fulfill the requirements of the hospitality administration accrediting body that HAdm majors specialize in more than one area of the discipline.

**Faculty Advisement.** All new hospitality administration majors are invited to have an initial meeting with the director of the program. Hospitality majors are also assigned faculty advisers. Students are required to meet with their faculty advisers each semester. The school offers orientation sessions at the beginning of each semester for new hospitality majors. Majors should call the school office to schedule appointments.

**Work Experience Requirement.** All students majoring in hospitality administration must have practical industry experience in order to be approved for graduation. Each student is given the opportunity to test career objectives and gain exposure to the work environment as it actually exists in the hospitality industry. This experience assists in developing professional work habits, provides for a smooth transition into full-time employment, helps develop self-confidence, and provides exposure to the different components of the hospitality industry. Students who have full-time jobs in nonhospitality occupations do not have to quit their jobs; however, in order to satisfy the requirements for the work-study experience, students are advised to begin working part-time in an adviser-approved hospitality position as soon as possible.

A required noncredit course, HAdm 4900, is offered each semester to assist students in meeting this work-study requirement. Students must register for this course during their senior year. They should obtain a course description packet from the school office and contact the Work Study Coordinator in the school for more detailed information.

## 7160.40 Certificate in Hospitality Administration

The Certificate in Hospitality Administration (CHAD) program is designed for nonhospitality majors. Admission to the CHAD program is subject to the minimum Georgia State cumulative GPA required for entrance into RCB upper-level classes. Obtaining the Certificate of Hospitality Administration is based on completion of at least four stipulated undergraduate hospitality courses with a combined GPA of 3.0 for these courses.

The certificate option is available for undergraduate, graduate, and postbaccalaureate students who are not current hospitality majors. Certificates are awarded by the Cecil B. Day School of Hospitality Administration to undergraduate and graduate students upon graduation from Georgia State University. For postbaccalaureate students, the certificates are awarded upon completion of the four courses with a cumulative GPA of 3.0.

This certificate focuses on operational aspects of hotels, restaurants, private clubs; meeting, special-event, and trade show management; and managerial functional areas in hospitality such as human resources, marketing, law, and cost control.

Specialization options within the certificate program are available. These specialty areas include hospitality operations, trade show and event planning, and meeting management.

**Certificate Requirements:** The Certificate in Hospitality Administration with a specialization in hospitality operations includes two courses from Group A and two courses from Group B:

### Group A

|           |                                              |
|-----------|----------------------------------------------|
| HAdm 3010 | Perspectives in the Hospitality Industry (3) |
| HAdm 3720 | Hospitality Law (3)                          |



|           |                                                     |
|-----------|-----------------------------------------------------|
| HAdm 3750 | Hospitality Human Resources (3)                     |
| HAdm 3760 | Hospitality Marketing (3)                           |
| HAdm 4100 | Cost Control and Hospitality Financial Analysis (3) |

**Group B**

|           |                                                |
|-----------|------------------------------------------------|
| HAdm 3310 | Hotel Management (3)                           |
| HAdm 3350 | Meeting and Trade Show Management (3)          |
| HAdm 3400 | Food Production (3)                            |
| HAdm 3420 | Restaurant and Food Service Management (3)     |
| HAdm 3590 | Private Club Management (3)                    |
| HAdm 3600 | Expos, Fairs, and Entertainment Management (3) |
| HAdm 3800 | Selected Topics (3)                            |

The Certificate in Hospitality Administration with a specialization in trade show and event planning requires a choice of two of the Group A courses. These Group B courses must be taken: HAdm 3350, Meeting and Trade Show Management, and HAdm 3600, Expos, Fairs, and Entertainment Management.

The Certificate in Hospitality Administration with a specialization in meeting management includes a choice of at least one Group A course. From Group B, HAdm 3310 is required along with HAdm 3350 and a selected topics course in Advanced Meeting Planning (HAdm 3800). The fourth course can be chosen from either Group A or Group B.

**Certificate Applications and Fees.** Interested students should apply for the certificate program through the School of Hospitality Administration. There are no additional fees required for the Certificate in Hospitality Administration.

## 7170 Institute of International Business

800 Robinson College of Business Building  
404/651-4057  
Joan Gabel, Director

The explosion of technological advances coupled with the rapid expansion of world trade means that business managers function in an economic environment where a local decision can have implications around the world almost immediately. An understanding of the global aspects of business is vital to success in today's world.

Though a B.B.A. major in international business is not currently offered, the Institute of International Business participates in the undergraduate program in several ways. An integral part of the Business Learning Community described earlier in section 7110 is BusA 3000, Globalization and Business Practices. BusA 3000 is also offered in Spanish. The institute offers several upper-level electives that can enhance the program of any major in the B.B.A. program: IB 3090, Introduction to International Business; IB 4020, International Trade Management; and IB 4410, Study Abroad: Analysis of Regional International Business Practices, which can be repeated for different world regions and focus on different disciplines.

### Study Abroad Programs

The Institute promotes international learning experiences through a strong portfolio offering of study abroad programs. The study abroad programs range from two-to-three week intensive experiences to semester- and year-long programs. The programs span disciplines and geographic regions, affording students in all business disciplines the rich rewards of an international study experience. RCB currently offers programs in Argentina, Brazil, China, France, Germany, Hungary/Czech Republic, Italy, Japan/South Korea, Netherlands, Russia, South Africa, and Switzerland. Semester- and/or year-long options are available in Germany, France, Mexico, and Italy. Other locations are possible through our partner institutions. Students must be in good standing with a minimum cumulative GPA of 3.0. Additional requirements vary by program. For individual program descriptions and application information, consult the Institute of International Business website at <http://iib.gsu.edu> or contact IIB at [iib@gsu.edu](mailto:iib@gsu.edu).

### Five-Year BA/MIB Program

In cooperation with the College of Arts and Sciences, the Robinson College offers a five-year program leading to the Bachelor of Arts degree with a major in French, German, or Spanish *plus* the Master of International Business degree, which is offered through the Institute. For more information, consult the Arts and Sciences chapter of this catalog and the RCB chapter of the university's graduate catalog.

## International Business Alliance

The International Business Alliance (IBA) is a student organization that is sponsored by the Institute and is open to all students. The IBA provides a wide range of opportunities for students to build business relationships in the international business community, to broaden and deepen their knowledge of the practice of international business, and to meet other students with similar interests and career goals. IBA programs include:

- **Mentor Program:** The Mentor Program is the flagship program of the International Business Alliance. Each student is matched with a senior executive who brings a wealth of experience and insight to the practice of international business. Applications accepted during the summer term for this annual program that begins each fall.
- **Speakers Forum:** Speakers from the international business community are invited to talk on various topics of interest. The topics vary by industry, functional areas, or geographic focus. It is an opportunity to meet leaders in the community, to expand students' knowledge base, and to explore a new area of interest.
- **Company visits:** Company visits provide an opportunity to meet the practitioners on their turf, to ask questions, and to build relationships.

Several other types of community, cultural, and social events are part of the activities of the IBA. For additional information and announcements, consult the website at <http://iib.gsu.edu/>, contact the IBA office at [iibiba@langate.gsu.edu](mailto:iibiba@langate.gsu.edu) or call 404/651-0988. The IBA office is located in 828 RCB Building.

## 7180 Department of Managerial Sciences

### Programs Offered:

#### B.B.A. in Managerial Sciences

10th floor, Robinson College of Business Building  
404/651-3400  
Todd Maurer, Interim Chair  
William C. Bogner, Interim Associate Chair  
Course Prefix: MGS

Skilled management is the backbone of successful enterprise. Career specialties in the managerial sciences, such as business analysis, human resource management, operations management, and entrepreneurship provide students with highly coveted qualifications to advance their careers quickly. Students receiving a degree in managerial sciences will be poised to assume leadership positions in their organizations and industries, with entry-level positions available in such diverse areas as human resource management, business analysis, regional management, general management, operations management, and entrepreneurial ventures, reflecting a growing market for talented, well-trained specialists in the managerial sciences.

### 7180.10 Program Admission

There are no admission requirements specific to the Managerial Sciences program. However, Managerial Sciences students are required to meet all University and College admission requirements.

### 7180.20 Program Financial Information

There are no special fees associated with majoring in Managerial Sciences. However, Managerial Sciences majors must pay all tuition and fees charged by the University and the College.

### 7180.30 Program Academic Regulations

**Required Major Courses:** MGS 4000, MGS 4130, MGS 4300, MGS 4700, and four additional 4000-level managerial sciences courses. The faculty strongly urges students wanting to maximize career opportunities to focus the majority of those four additional courses in one of four career tracks. These tracks are simply suggestions.

#### HUMAN RESOURCE MANAGEMENT

1. MGS 4360
2. MGS 4390

3. MGS 4320

#### BUSINESS ANALYSIS

1. MGS 4020
2. MGS 4110
3. MGS 4140

#### ENTREPRENEURSHIP

1. MGS 4500
2. MGS 4550
3. MGS 4560

#### OPERATIONS MANAGEMENT

1. MGS 4730
2. MGS 4740
3. MGS 4760

Students following one of these tracks would choose a fourth elective course (any course with a MGS prefix, including courses from the other three career tracks).

## 7180.40. Certificate in Entrepreneurship

The Certificate in Entrepreneurship program is designed for students from any undergraduate business major to complement that major with a focused study in entrepreneurship. Admission to the Certificate in Entrepreneurship program is subject to the minimum Georgia State University cumulative GPA requirement for entrance into RCB upper-level classes. Obtaining the Certificate in Entrepreneurship is based on completion of at least three specified courses with a minimum combined GPA of 3.3 for these courses, with no grade in any of them lower than a B.

Students in a variety of majors (for example, Computer Information Systems, Finance, Real Estate, Marketing, Hospitality, and Accountancy) may start or work in an entrepreneurial venture. The Certificate in Entrepreneurship, combined with the knowledge gained in their major, will help those students realize those career plans. Some students may use their major as they join a family-owned or other closely held company. Those students will also benefit from complementing their major with a focused study in entrepreneurship.

**Certificate Requirements:** Take any three of the following courses. Be aware that some have prerequisites and other requirements for enrollment. Although students are permitted to take MGS 4590 twice for graduation credit, it may count only once for the certificate.

MGS 4500 Entrepreneurial and New Venture Management

MGS 4550 Managing a Family Business

MGS 4560 Small Business Management

MGS 4590 Entrepreneurship Field Study

**Certificate Applications and Fees:** Interested students should apply for the certificate program through the Department of Managerial Sciences. There are no additional fees required for the Certificate in Entrepreneurship.

## 7190 Department of Marketing

### Programs Offered:

#### **B.B.A. in Marketing**

13th floor, Robinson College of Business Building

404/651-2740

Edward E. Rigdon, Chair

Course Prefix: Mk

Marketing is an exciting, dynamic process through which customer needs and wants are determined and satisfied through the conception, development, promotion, exchange, and distribution of goods and services. The undergraduate program in marketing provides students with fundamental preparation in general marketing and an understanding of markets and customers, product development, pricing strategies, advertising and promotion, and methods of distribution. The program also develops the student's capacity to solve managerial problems in marketing and prepares men and women to enter careers in the field. A wide range of career opportunities is available to marketing graduates. Marketing management is often the path to the top of the

business organization. Entry-level positions are available in selling, product development, advertising, promotion, physical distribution, industrial marketing, marketing research, customer service, and many other specialties. The challenges of marketing require men and women with creative ability, intelligence, and skill who are prepared to fill an ever-increasing number of senior staff and executive positions.

### **7190.10 Program Admission**

There are no admission requirements specific to the Marketing program. However, Marketing students are required to meet all University and College admission requirements.

### **7190.20 Program Financial Information**

There are no special fees associated with majoring in Marketing. However, Marketing majors must pay all tuition and fees charged by the University and the College.

### **7190.30 Program Academic Regulations**

**Required Major Courses:** Mk 4100, 4200, 4900 and four additional 4000-level courses in marketing.

**Recommended Sequence:** Take Mk 4100 before Mk 4200. Mk 4900 should be taken during the last semester of the senior year. The four other major courses preferably should be taken in the senior year. Prerequisites are enforced.

The following sets of major courses are suggested by the faculty for those students who wish to specialize in various fields. These are simply suggestions:

Sales: Mk 4330, 4340, 4510

Retailing: Mk 4400, 4420, 4300

Marketing Management: Mk 4620, 4400, 4300

Advertising: Mk 4300, 4310, Jour 3500\*

Distribution Channels: Mk 4400, 4510

\*Jour 3500 may be counted as a marketing major course for students successfully completing Mk 4300 or 4310.

### **7190.40 Business Communication Programs**

Beverly Y. Langford, Coordinator

Course Prefix: BCom

Effective communication allows individuals to understand each other, encourages people to take action, and motivates others to think creatively and critically. Business Communication Programs offer undergraduate and graduate classes that prepare students to effectively handle the demanding communication tasks of the twenty-first century. Students develop professional communication skills and learn how culture, ethics, and technology affect communication. Faculty members bring experience to Business Communication Programs from academic disciplines, as well as corporations, and address communication issues based on diversity and globalization. Strong communication skills are vital for all disciplines today. The program continues to evolve to meet the advanced communication requirements of business students at Georgia State University.

## **7200 Department of Real Estate**

### **Programs Offered:**

#### **B.B.A. in Real Estate**

14th floor, Robinson College of Business Building

404/651-2760

Julian Diaz III, Chair

Course Prefix: RE

Individuals who deal in land assets, as investors, brokers, appraisers, analysts, financiers, or developers, require substantial awareness of the community's political and economic characteristics plus a thorough knowledge of the economics involved in each investment situation. The curriculum in real estate is designed to provide the student with an understanding of

(1) the various phases of real estate activity, (2) the economic and social services relating to land use that are performed by individuals and institutions, and (3) the forms of business and professional services necessary to support real estate activity.

### **7200.10 Program Admission**

There are no admission requirements specific to the Real Estate program. However, Real Estate students are required to meet all University and College admission requirements.

### **7200.20 Program Financial Information**

There are no special fees associated with majoring in Real Estate. However, Real Estate majors must pay all tuition and fees charged by the University and the College.

### **7200.30 Program Academic Regulations**

**Required Major Courses:** RE 3010, 4050, 4150, 4160, and three additional 4000-level courses in real estate; LglS 4490 may also be chosen as one of the three additional courses in the major.

It is strongly recommended that students majoring in real estate take LglS 4490 (Real Estate Law) as an elective if it is not chosen as a major course.

## **7210 Department of Risk Management and Insurance**

### **Programs Offered:**

**B.B.A. in Actuarial Science**

**B.B.A. in Risk Management and Insurance**

11th floor, Robinson College of Business Building  
404/651-2725  
Sanjay Srivastava, Chair

The Department of Risk Management and Insurance is an interdisciplinary academic unit. It offers undergraduate majors in actuarial science and in risk management and insurance, together with courses in the areas of legal studies and personal financial planning.

## **7220 Actuarial Science**

### **Course Prefix: AS**

Actuaries have been called financial architects and social mathematicians because of their unique blend of analytical and business skills in the insurance and financial services industry, as consultants in firms that specialize in employee benefits and pensions, in the government sector, and in a variety of other roles. To be recognized as a qualified actuary, a person should become a member of the Society of Actuaries or the Casualty Actuarial Society. Admission to membership is obtained by passing a series of examinations given by the societies. Completion of the actuarial science program at Georgia State University greatly enhances the possibility of passing the examinations given by the actuarial societies.

The tremendous demand for such highly trained persons makes a career in this area very rewarding financially and in providing the satisfaction that comes from membership in a well-recognized profession.

In order to meet the critical shortage of actuarial personnel in this region, the Southeastern Actuaries Club endorsed the establishment of the actuarial program at Georgia State University as part of the university's comprehensive insurance educational activity. The program continues to have the strong support of the actuarial profession. Inquiries concerning the actuarial profession or the details of the program at Georgia State University should be directed to the department.

### **7220.10 Program Admission**

There are no admission requirements specific to the Actuarial Science program. However, Actuarial Science students are required to meet all University and College admission requirements.

## 7220.20 Program Financial Information

There are no special fees associated with majoring in Actuarial Science. However, Actuarial Science majors must pay all tuition and fees charged by the University and the College.

## 7220.30 Program Academic Regulations

**Required Major Courses:** AS 4110, 4140, 4230, 4320, 4340, 4350, RMI 3750, RMI 4150.

**Other Required Courses:** The calculus sequence, Math 2211, 2212, 2215, is taken in place of the non-RCB electives. For students with appropriate mathematics background, Math 2211 and Math 2212 can be taken in place of Math 1111 (college algebra) in core area A and in place of Math 1113 (precalculus) in core Area D. Students who can make one or both of these substitutions will choose one or two non-RCB electives, as appropriate.

Math 2215 must be completed with a grade of C or higher.

AS 4120 is taken in place of an RCB elective, and AS 4130 is taken in place of MGS 3100 in the junior business core; grades of C or higher are required.

It is highly recommended that new actuarial science majors consult with their major adviser at their earliest convenience so that an efficient program can be constructed in accordance with the unique nature of the actuarial science major and course scheduling requirements.

## 7230 Legal Studies

Course Prefix: LglS

The legal studies courses offered in the J. Mack Robinson College of Business serve the needs of the college and the university for legal education other than the professional education offered by the College of Law. The undergraduate legal environment core course, Legal Environment of Business (BusA 2106), covers law, ethics, and business.

Specific law courses also are offered to assist the undergraduate student who has an established career objective within a specialized area. For example, Principles of Business Law (LglS 4050) is designed for accounting majors. This course covers contracts, sales, commercial paper, secured transactions, bankruptcy and accountants' professional liability. The course provides a foundation for topics on the CPA examination. Real Estate Law (LglS 4490) is an important course for undergraduate real estate majors. Introduction to the Law (LglS 3020), a comprehensive orientation to the American legal system, has primary appeal to political science, urban studies, and prelaw students.

No academic major is available in legal studies. No legal studies course may be used for credit toward a College of Law degree.

## 7240 Risk Management and Insurance

Lorilee A. Schneider, Adviser

Course Prefix: RMI

The program in risk management and insurance strives to prepare qualified and motivated students for positions of leadership and responsibility in risk management, insurance, and other financial services businesses and in general business and government.

The field of risk management and insurance is challenging and changing constantly. Qualified students will find excellent opportunities for creative work, professional recognition, financial reward, and public service.

Graduates in risk management and insurance find a variety of career opportunities open to them as risk managers in business, as brokers/agents providing professional risk management/insurance/employee benefits counseling and market placement services for clients, as consultants and personal financial planners, in government, and in the underwriting, marketing, claims adjusting, planning, governmental relations, information systems, and financial management activities of insurers.

## 7240.10 Program Admission

There are no admission requirements specific to the Risk Management and Insurance program. However, Risk Management and Insurance students are required to meet all University and College admission requirements.



## 7240.20 Program Financial Information

There are no special fees associated with majoring in Risk Management and Insurance. However, Risk Management and Insurance majors must pay all tuition and fees charged by the University and the College.

## 7240.30 Program Academic Regulations

**Required Major Courses:** RMI 3500, 4010, 4020, 4300, 4530, 4700, and 4700.

An annual schedule of RMI courses may be obtained from the department on the 11th floor, RCB Building, by calling 404/651-2725, or from RMI's website at <http://www.rmi.gsu.edu>. Courses recommended for consideration as electives for students majoring in other areas include:

|           |                                                                      |
|-----------|----------------------------------------------------------------------|
| RMI 3500  | Introduction to Risk Management and Insurance                        |
| RMI 4300  | Risk Management                                                      |
| RMI 4530  | Employee Benefit Plans (except management majors) (Same as Mgt 4580) |
| PFP 4000  | Personal Financial Planning                                          |
| LglS 3020 | Introduction to the Law                                              |
| LglS 4050 | Comprehensive Business Law                                           |
| LglS 4490 | Real Estate Law                                                      |

## 7250 Graduate Programs Offered by the J. Mack Robinson College of Business

Georgia State University offers through the J. Mack Robinson College of Business graduate programs leading to the following degrees:

Doctor of Philosophy in Business Administration  
Master of Business Administration  
Master of Business Administration/Juris Doctor  
Master of Business Administration/Master of Health Administration  
Master of Actuarial Science  
Master of International Business  
Master of Professional Accountancy  
Master of Science  
Master of Science in Health Administration  
Master of Science in Real Estate  
Master of Taxation

Information concerning the programs leading to the graduate degrees is contained in the university's graduate catalog. Inquiries concerning masters' programs should be directed to the Office of Graduate Student Services of the J. Mack Robinson College of Business (601 RCB Building, 404/651-3859) at least six months in advance of the desired time of entry. Inquiries concerning the doctoral program should be directed to the Doctoral Program Office, 831 RCB Building, 404/651-3379.

The J. Mack Robinson College of Business also offers graduate certificate programs in accounting, electronic commerce, enterprise risk management, personal financial planning, and real estate.

# 8000 Additional University Programs

## 8010 Center for Sports Medicine, Science and Technology

The Center for Sports Medicine, Science, and Technology is dedicated to interdisciplinary research, teaching, and service in science and technology fundamental to sports medicine and physical activity. The research programs address problems related to exercise, wellness, and sport in a variety of populations including youth and the disabled.

The diagnostic and evaluation services of the center address sport-related needs among healthy athletes. The Fitness Center is a division of the Center for Sports Medicine, Science, and Technology and provides health, fitness and wellness programming for the campus community.

Center personnel include a director, associate director for disabled sport, and associate director for service. The center is located in the Physical Education Building. For more information about the center, call 404/651-1928.

## 8020 European Union Studies Certificate Program

Department of Political Science

1005 General Classroom Building

404/651-3152

William M. Downs, Campus Representative

The certificate in European Union Studies is operated under the supervision of the European Council of the University System of Georgia. The program is open to all institutions and students of the University System as well as to professionals with an undergraduate degree. The program's purpose is to promote knowledge of the European Union (EU) and certify individuals as competent in the subject area of EU studies. Since the EU is the most important economic and political partner of the United States, this certification demonstrates valuable professional expertise to potential employers. For students in the academic track, this interdisciplinary certificate can be earned as a supplement to any conventional undergraduate degree.

### Admission to the Program

A certificate in European Union Studies can be earned in one of two ways. Under the **academic track**, a certificate is taken in tandem with an undergraduate degree program. Students from all academic majors are eligible to participate so long as they possess a minimum 2.75 cumulative grade point average (GPA). Under the **professional track**, non-degree seeking students—such as business executives—are eligible to enroll in the program upon proof of a valid undergraduate degree from an accredited institution. The minimum GPA requirement is waived.

Under either track, an application to the program cannot be made until successful completion of the following: (1) the introductory course on the European Union (PoLS 4242) with a grade of “C” or better, (2) 30 semester hours of academic credit, and (3) a course in world or western civilization (Hist 1111 or 1112).

### The European Union Studies Certificate

To earn the EU Studies Certificate, students must complete the certificate curriculum (18 hours) and fulfill the practicum experience requirement. Students must have a 3.0 cumulative GPA in curriculum courses upon completion of the program. An official certificate is awarded upon graduation, and the certificate is noted on a student's permanent transcripts.

#### The EU Studies Certificate Curriculum (18):

The European Union (PoLS 4242) (3)

Multidisciplinary Menu (12)

A student must complete four courses from an approved menu of courses dealing substantially with the EU. These courses must be distributed among at least three different discipline areas: Social Sciences, Humanities and Fine Arts, Business and Economics, and Natural and Health Sciences. The program's campus representative decides which courses qualify for the certificate and maintains an updated list of approved courses in the different discipline areas. No more than one course in this menu can be taken at the 1000-2000 level, with the exception of EU Studies online courses (see below) and study abroad courses. Students may substitute for up to two menu courses by performing an internship and/or composing a thesis.

### Capstone Seminar in EU Studies (3)

Taken either as a Directed Study (PoLS 4920) or online course, this is ideally the last course in the certificate program. It has three learning objectives: (1) to update students on EU developments and reinforce their general knowledge of the EU, (2) to provide in-depth knowledge of important EU issues, and (3) to allow students to conduct intensive research on EU-related topics.

### Practicum Experience

Since it is deemed crucial that students demonstrate more than an academic knowledge of the European Union to be certified as adequately prepared in the subject, a “real-life” practicum experience pertaining to the EU must be performed either in the form of an overseas visit or an internship. The overseas option is broadly defined and can be accommodated by a wide range of activities, including study or research abroad. The same flexibility applies to the internship, which can be served domestically or internationally. A student’s specific practicum experience must be approved by the program’s campus representative.

### Online Courses and Transatlantic Joint Certificate

The EU Studies program has developed a curriculum of online courses in conjunction with European university partners. These are courses in different discipline areas that deal with various aspects of the EU and are taught jointly by University System institutions and European universities at specified times throughout the academic year. The program’s campus representative maintains an updated list of these courses and a teaching schedule, as well as information about course registration.

The EU Studies program offers the option of acquiring a certificate that is jointly conferred with a European institution. This option requires students to complete—with a grade of “B” or better—a minimum of two online courses that are co-taught with European partner universities. Students completing this option have the EU Studies certificate awarded by both their home institution and one in Europe, thus giving them an academic credential from a respected European university.

### Areas of Distinction

In addition to acknowledging competence in the EU generally, the certificate also highlights special achievements by providing a notation of “distinction” in two areas: (1) foreign language proficiency (six semester hours at or above the 2000 level and (2) composition of a thesis.

The foreign language distinction must be earned in a European language approved by the program’s campus representative as appropriate to the certificate’s objectives. A student with prior language skills can earn a distinction by successful completion of an examination demonstrating competency equivalent to the 2000 level. The exam is administered at the student’s home institution.

The thesis can be written anytime during the final year of study. It is supervised by a committee composed of three faculty members representing at least two different academic disciplines. The program’s campus representative maintains a more detailed description of thesis requirements.

## 8030 Intensive English Program

1026 Urban Life

404/651-3650

<http://www.gsu.edu/esl>

The Intensive English Program (IEP) is a non-credit program designed to prepare students in the language and study skills necessary for successful academic work in American colleges and universities. The IEP offers academic English courses from basic to advanced levels of proficiency. In some cases, students who have been accepted to a degree program at Georgia State may combine upper-level English as a Second Language (ESL) courses and regular academic work.

Every level in the IEP offers five courses each semester (a total of 18 hours in class each week). Courses include academic writing, structure/composition, academic reading/listening, extensive reading, and oral communication. A tutoring lab and weekly computer workshops for students who desire individualized language and computer assistance are also provided.

# 9000 Course Descriptions

Undergraduate courses offered by Georgia State University are listed in this section in alphabetical and prefix order by subject name and course number.

## Course Subjects

|      |                                               |      |                                       |
|------|-----------------------------------------------|------|---------------------------------------|
| AAS  | African-American Studies                      | GRD  | Graphic Design                        |
| ACCT | Accounting                                    | GRKA | Ancient Greek                         |
| AE   | Art Education                                 | GRKM | Modern Greek                          |
| AH   | Art History                                   | GRMN | German                                |
| AL   | Applied Linguistics                           | GSU  | GSU New Student Orientation           |
| ANTH | Anthropology                                  | HA   | Health Administration                 |
| ARBC | Arabic                                        | HADM | Hospitality Administration            |
| ART  | Art                                           | HBRB | Biblical Hebrew                       |
| AS   | Actuarial Science                             | HBRM | Modern Hebrew                         |
| ASTR | Astronomy                                     | HHS  | Health & Human Sciences               |
| BIOL | Biology                                       | HIST | History                               |
| BUSA | Business Administration                       | HON  | Honors                                |
| CER  | Ceramics                                      | IB   | International Business                |
| CHEM | Chemistry                                     | ID   | Interior Design                       |
| CHIN | Chinese                                       | IEP  | Intensive English Program             |
| CIS  | Computer Information Systems                  | IT   | Instructional Technology              |
| CLAS | Classical Studies                             | ITAL | Italian                               |
| CPS  | Counseling & Psychological Services           | JAPN | Japanese                              |
| CRJU | Criminal Justice                              | JEWL | Jewelry Design & Metalsmith           |
| CSC  | Computer Science                              | JOUR | Journalism                            |
| DP   | Drawing & Painting                            | JST  | Jewish Studies                        |
| ECE  | Early Childhood Education                     | KH   | Kinesiology & Health                  |
| ECON | Economics                                     | KORE | Korean                                |
| EDBT | Education/Business Technology                 | LATN | Latin                                 |
| EDCI | Education/Curriculum & Instruction            | LGLS | Legal Studies                         |
| EDLA | Language Arts Education                       | MATH | Mathematics                           |
| EDMT | Mathematics Education                         | MES  | Middle East Studies                   |
| EDRD | Reading Education                             | MGS  | Managerial Sciences                   |
| EDSC | Science Education                             | MK   | Marketing                             |
| EDSS | Social Studies Education                      | MSL  | Military Science Leadership           |
| EDCU | Education                                     | MTM  | Music Technology Management           |
| ELMT | Library Media Technology                      | MUA  | Music Appreciation                    |
| ENGL | English                                       | MUS  | Music                                 |
| EPSF | Educational Policy Studies/Social Foundations | NSCI | Natural Sciences                      |
| EPY  | Educational Psychology                        | NURS | Nursing                               |
| EXC  | Exceptional Children                          | NUTR | Nutrition                             |
| FI   | Finance                                       | PAUS | Public Administration & Urban Studies |
| FILM | Film                                          | PERS | Perspectives                          |
| FOLK | Folklore                                      | PFP  | Personal Financial Planning           |
| FORL | Foreign Language                              | PHIL | Philosophy                            |
| FREN | French                                        | PHOT | Photography                           |
| GEOG | Geography                                     | PHYS | Physics                               |
| GEOL | Geology                                       | POLS | Political Science                     |
| GERO | Gerontology                                   | PORT | Portuguese                            |
|      |                                               | PRSN | Persian                               |
|      |                                               | PRT  | Printmaking                           |
|      |                                               | PSYC | Psychology                            |
|      |                                               | PT   | Physical Therapy                      |
|      |                                               | RCLS | Recreation & Leisure Studies          |
|      |                                               | RE   | Real Estate                           |
|      |                                               | RELS | Religious Studies                     |

|      |                             |
|------|-----------------------------|
| RGTE | Regents' Test Writing       |
| RGTR | Regents' Test Reading       |
| RMI  | Risk Management & Insurance |
| RT   | Respiratory Therapy         |
| RUSS | Russian                     |
| SCUL | Sculpture                   |
| SOCI | Sociology                   |
| SPAN | Spanish                     |
| SPCH | Speech                      |
| SW   | Social Work                 |
| SWAH | Swahili                     |
| TEXT | Textiles                    |
| THEA | Theatre                     |
| TURK | Turkish                     |
| WST  | Women's Studies             |

## Definitions

**Computer Skills Prerequisites (CSP):** Some courses offered by the Robinson College of Business require any student who enrolls in that course to be proficient with certain computer skills. For a complete description of CSP requirements, please refer to the "J. Mack Robinson College of Business" chapter of this catalog (see section 7000).

**Corequisites:** A corequisite identifies another course or courses that should be taken concurrently with the listed course. A student who enrolls in a listed course with corequisites must also enroll in those corequisite courses. A student who has previously completed a corequisite course may not need to repeat it; he or she should consult with an academic adviser before registering to determine specific requirements.

**Course credit hours:** The total semester hours of credit for each course are shown in parentheses immediately following the course title.

**Prerequisites:** A prerequisite identifies a course or other requirements that a student must have completed successfully before enrolling in the listed course. Any student who has not met prerequisites for a course may be administratively withdrawn from that course at the discretion of the instructor. It is the policy of some university departments to withdraw automatically any student who enrolls in a course without first meeting its prerequisites.

**Note:** The first line of the course descriptions is the same as what shows in the online course listing, and the second line is the complete title.

## AAS = AFRICAN-AMERICAN STUDIES

### AAS 1140 INTRO TO AFR & AFRAM HISTORY 3.0

Introduction to African and AfricanAmerican History and Culture. (Same as Hist 1140.) African history and culture, the coming of Africans to the Americas, and the development of African American culture.

### AAS 2010 INTRO TO AFRICANAMER STUDIES 3.0

Introduction to AfricanAmerican Studies. Intellectual and social origins of AfricanAmerican Studies. Key concepts, themes, and theories of the discipline.

### AAS 3000 AFRICANAMERICAN FAMILY 3.0

AfricanAmerican Family. (Same as Soci 3162.) Contemporary theories and research of the AfricanAmerican family.

### AAS 3050 INTRO TO AFRICANAMER PSY 3.0

Introduction to AfricanAmerican Psychology. Prerequisites: AAS 2010, AAS 1140, Hist 1140, or Psyc 1010. (Same as Psyc 3520.) Examination of theory and research pertaining to AfricanAmerican psychology. Special emphasis on the Afrocentric perspective.

### AAS 3070 AFRAMERICANS IN CRIM JUS SYST 3.0

AfricanAmericans in the Criminal Justice System. An examination of the relationship between the AfricanAmerican community and the criminal justice system.

### AAS 3080 ISSUES IN AFRICANAMER PHIL 3.0

Issues in AfricanAmerican Philosophy. Prerequisite: AAS 2010, AAS 1140, or Hist 1140. (Same as Phil 3080.) Examination of historical and contemporary figures and issues in AfricanAmerican philosophy. Historical figures such as Douglass, DuBois, Delaney, and Garvey as well as historical topics such as emigration and assimilation. Contemporary figures may include M. L. King, Cornel West, and Angela Davis. Contemporary issues such as civil rights/ civil disobedience, Black feminist thought, integration, and Black self respect.

### AAS 3120 AFRICAN DIASPORA 3.0

African Diaspora. (Same as Anth 3120.) Prerequisite: AAS 2010, AAS 1140, Hist 1140, or Anth 2020. Investigates the dispersal, growth, and influence of people of African descent throughout the world. A comparative analysis of historical, political, cultural, economic, and social development of the African diaspora.

### AAS 3240 PEOPLES & CULTURES OF AFRICA 3.0

Peoples and Cultures of Africa. (Same as Anth 3240.) Origins, adaptations, and contemporary social, economic, political, and belief systems of the indigenous and mixed populations of Africa.

### AAS 3450 HIST OF AFRAMER IN GEORGIA 3.0

History of AfricanAmericans in Georgia. Examination of the political, economic, and social development of AfricanAmericans in Georgia.

### AAS 3480 AFRICANAMERICAN RHETORIC 3.0

AfricanAmerican Rhetoric. (Same as Spch 4520.) Survey of AfricanAmerican contributions to public communication. Emphasis on Afrocentric and traditional approaches to rhetorical theory and criticism.

### AAS 3500 JAZZ HISTORY 3.0

Jazz History. (Same as Mus 3500.) Study of the development of jazz from its origins to current trends including stylistic periods such as New Orleans, swing, bop, cool, avant garde, and fusions. Emphasis on evolution of form, improvisational style, and influential artists.

**AAS 3810 HISTORY OF AFRICANAMER MUSIC 3.0**

History of AfricanAmerican Music. (Same as MuA 3810.) History and styles of AfricanAmerican music.

**AAS 3880 AFRICANAMERICAN LITERATURE 3.0**

AfricanAmerican Literature. (Same as Engl 3950.) History and development of AfricanAmerican literature, with emphasis on major writers.

**AAS 3955 LANGUAGE IN AFRAM COMMUNITY 3.0**

Language in the AfricanAmerican Community. (Same as Engl 3955.) A sociolinguistic study of the characteristics that define and connote the varieties of AfricanAmerican English: origins, currents of change, functions of language identity, styles, and modes of discourse.

**AAS 3960 AFRICANAMERICAN LIT BY WOMEN 3.0**

AfricanAmerican Literature by Women. (Same as Engl 3960 and WSt 3960.) Survey of literature from the eighteenth century to the present. Includes such authors as Wilson, Wheatley, Larsen, Hurston, Dove, Hansberry, and Morrison.

**AAS 3975 CONCEPTS/THEORIES IN AAS 3.0**

Concepts and Theories in AfricanAmerican Studies. Prerequisite: AAS 2010. Three lecture hours per week. Examination of the major concepts and theoretical orientations used in African American Studies.

**AAS 3980 RESEARCH METHODS AFRAM STUDIES 3.0**

Research Methods in AfricanAmerican Studies. Prerequisite: AAS 2010. Qualitative and quantitative research techniques employed to generate knowledge in the interdisciplinary field of AfricanAmerican Studies.

**AAS 4000 ISSUES IN AFRICANAM COMMUNITY 3.0**

Issues in the AfricanAmerican Community. (Same as Soci 4310.) Examination of the impact of major societal issues on the AfricanAmerican community.

**AAS 4030 AFRAM MALE/FEMALE RELATIONS 3.0**

AfricanAmerican Male/Female Relationships. (Same as Soci 4311.) Explores historical, social, psychological, and economic factors affecting AfricanAmerican relationships. Issues include negative images and stereotypes, color, beauty and pornography, sexgender and role identity, consumerism and narcissism, and employment.

**AAS 4080 AFRICANAMER FEMALE ACTIVISM 3.0**

AfricanAmerican Female Activism. (Same as WSt 4110.) Overview of AfricanAmerican women's resistance to racial oppression and gender inequality.

**AAS 4100 AFRICANAM WOMEN IN THE U.S. 3.0**

AfricanAmerican Women in the United States. (Same as Soci 4312 and WSt 4312.) Contemporary social issues of black women. Emphasis on the historical roots of current issues and the interrelationships of gender, race, and class.

**AAS 4120 AFRICANAMER POLITICAL THOUGHT 3.0**

AfricanAmerican Political Thought. (Same as PolS 4560.) Examination and critical analysis of AfricanAmerican political and social issues.

**AAS 4125 BLACK FEMINIST THOUGHT 3.0**

Black Feminist Thought. Prerequisite: AAS 2010. (Same as WSt 4750.) Explores the tradition of Black feminism in the nineteenth and twentieth centuries. Students will critically read, discuss, and respond in writing to a series of texts representing Black feminist thought and its relationship to other feminisms. Students will be expected to demonstrate their knowledge of the Black

feminist tradition and their ability to query, compare, and extend Black feminist theories.

**AAS 4160 AFRICANAMERICAN POLITICS 3.0**

AfricanAmerican Politics. Prerequisite: AAS 2010, AAS 1140, or Hist 1140. (Same as PolS 4165.) Analysis of the ideology, public opinions, and political behaviors of African Americans. AfricanAmerican impact on the electoral system.

**AAS 4180 POLITICS OF CIVIL RIGHTS MOVEMENT 3.0**

Politics of the Civil Rights Movement. (Same as PolS 4157.) Examinations of the underpinnings, leadership, political strategies, and outcomes of the modern civil rights movement.

**AAS 4200 PANAFRICANISM 3.0**

PanAfricanism. Survey of PanAfrican thought from the 1900 PanAfrican Congress to the present. Major PanAfrican advocates, ideas, and movements.

**AAS 4230 RELIGIONS OF THE AFRICAN WORLD 3.0**

Religions of the African World. (Same as RelS 4230.) An overview of religion from Africa to the Diaspora. African cosmology and religions among various African peoples such as the Yoruba and the Dogon of Mali. African origins of Western religions such as Judaism, Christianity, and Islam. Various religions among African peoples in the Diaspora such as Santeria, Voodooism, Rastafarianism, as well as Christianity, Black Judaism, and the Nation of Islam. Special attention to African survivals in religion in the Diaspora. The role of religion as a tool of liberation and community and economic development.

**AAS 4250 AFRICANAMERICAN RELIGION 3.0**

AfricanAmerican Religion. (Same as RelS 4250.) A survey of the development of AfricanAmerican religion from colonial times to present, including an examination of both the theoretical arguments of religious elites and the spiritual experience of laypersons.

**AAS 4280 AFRICANAMERICAN ANTHROPOLOGY 3.0**

AfricanAmerican Anthropology. (Same as Anth 4280.) Major writings in the field of AfricanAmerican studies; theories, categories, and methods used in studying complex societies are brought to bear upon the literature; use of ethnographies to provide a comparative perspective for understanding AfricanAmerican cultures.

**AAS 4300 AFRICAN ART 3.0**

African Art. (Same as AH 4000.) Survey of the sculpture, architecture, textiles, body ornament, and performance arts of Africa in terms of form, meaning, and function within society. Objects reintegrated into cultural contexts are examined in light of "tradition" and social and political change.

**AAS 4310 ART OF ANCIENT EGYPT AND NUBIA 3.0**

Art of Ancient Egypt and Nubia. (Same as AH 4010 and MES 4510.) Survey of the painting, sculpture, architecture, and minor arts in ancient Egypt and Nubia with reference to their chronological development and underlying historical, religious, and cultural meanings.

**AAS 4320 AFRICANAMERICAN ART 3.0**

AfricanAmerican Art. (Same as AH 4620.) Aesthetic expressions of AfricanAmerican artists from colonial times to present. Social, cultural, and creative history of Black America. Diverse contributions made by artists of African descent to the development of American culture. Artists, art movements, the relationship of art to politics, and the formation of racial/cultural identity.

**AAS 4400 GEOGRAPHY OF AFRICA 3.0**

Geography of Africa. (Same as Geog 4402.) An overview of the



## 340 Course Descriptions

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physical, economic, and cultural geography of Africa, including North Africa. Emphasis on relationships between Africa's resources, both human and physical, and the development process.

### **AAS 4530 VOICES OF AFRICANAM FEMINISTS 3.0**

Voices of AfricanAmerican Feminists. (Same as Spch 4530.) Overview of the rhetorical history of AfricanAmerican female political and social activists.

### **AAS 4600 ENSLVMT & RESIST IN NOR AMER 3.0**

Enslavement and Resistance in North America. (Same as Hist 4280.) Examines the character of the system of chattel slavery and racial oppression in Colonial America and in the United States and insurgent responses to it by the captive and free population of African descent in North America.

### **AAS 4620 ENSLAVEMENT IN THE AMERICAS 3.0**

Enslavement in the Americas. (Same as Hist 4290.) Comparative examination of systems of captivity and forced labor in the western hemisphere and the social development and popular responses of captive Africans to these systems. Emphasis on the continuities of African culture and the unique adaptation of culture and social organization in each country. The nature of resistance and the process of eliminating the system of captivity in several nationstates.

### **AAS 4640 AFRICANAMERICAN PEOPLE 4.0**

AfricanAmerican People. (Same as Hist 4270.) Major topics and themes in AfricanAmerican history, including slavery, development of American racism, urbanization, civil rights, and black contributions to American culture.

### **AAS 4650 AFRICANAMERICAN THEATRE 3.0**

AfricanAmerican Theatre. (Same as Thea 4090.) Examination of the history and contributions of AfricanAmericans to the American theatre.

### **AAS 4660 AFRICAN AMERICAN WOMEN 4.0**

AfricanAmerican Women. (Same as Hist 4260 and WSt 4450.) Examination of the varied history of AfricanAmerican women. Centered in the tradition of race and gender protest; how women have generationally developed agendas and forums around social justice reform; exploration of themes, individuals, and collective action, revealing the impact of race, class, and gender on the lives of AfricanAmerican women.

### **AAS 4750 AFRICANAM ETH/LEGAL ISSUES 3.0**

AfricanAmerican Ethical and Legal Issues. Prerequisite: at least one course in philosophy or consent of instructor. (Same as Phil 4850.) Application of ethical and legal theory to selected issues, such as affirmative action, the legality of slavery, civil disobedience, punishment, and reparations.

### **AAS 4760 EAST AFRICA & HORN OF AFRICA 4.0**

Eastern Africa and the Horn of Africa. Prerequisite: AAS 2010, AAS 1140, or Hist 1140. (Same as Hist 4760.) Social, political, cultural, and economic history of the region from the origins of the human race to the present including ancient civilizations, Judaism, Christianity, and Islam; international trade, European colonialism, and independence.

### **AAS 4765 CENTRAL & SOUTHERN AFRICA 4.0**

Central and Southern Africa. (Same as Hist 4750.) Social, political, cultural, and economic history of the region from the earliest times to the present, including indigenous African civilizations, European colonialism, African nationalism, and independence.

### **AAS 4770 WESTERN AFRICA 4.0**

Western Africa. (Same as Hist 4770.) Social, political, cultural, and economic history of Western Africa dealing with the early

civilizations, the coming of Islam, European colonialism, and independence.

### **AAS 4772 WOMEN IN AFRICA 3.0**

Women in Africa. (Same as Hist 4772 and WSt 4772.) An examination of African women's roles in domestic production, their relationship to the state, and the effect of social change on women from the precolonial period to the contemporary era.

### **AAS 4774 AFRICAN REBELLIONS 3.0**

African Rebellions. (Same as Hist 4774.) An examination of African resistance in the colonial and postcolonial contexts.

### **AAS 4776 AFRICA AND HOLLYWOOD 4.0**

Africa and Hollywood: Myth, Romance, and Savage Imagery. This course explores the image of Africa projected into American mass culture through the vehicle of commercial films produced about Africa.

### **AAS 4780 AFRAM LESBIAN & GAY ACTIVISM 3.0**

AfricanAmerican Lesbian and Gay Activism. Prerequisite: AAS 2010. (Same as WSt 4780.) Examines the speeches, writings, and other public communication of AfricanAmerican lesbians and gay men who promote democratic ideals. Surveys historical and contemporary issues confronting this marginalized population. Emphasis on thematic and cultural critical approaches.

### **AAS 4890 CARIBBEAN LITERATURE 3.0**

Caribbean Literature. Prerequisite: AAS 2010, AAS 1140, or Hist 1140. (Same as Engl 3970.) Survey of twentiethcentury literature of the English speaking or Commonwealth Caribbean.

### **AAS 4900 AFRICANAMERICANS IN FILM 4.0**

AfricanAmericans in Film. (Same as Film 4760.) Mainstream Hollywood representation of AfricanAmericans and the alternative film portrayals by AfricanAmerican producers.

### **AAS 4950 AFRICANAMER POPULAR CULTURE 3.0**

AfricanAmerican Popular Culture. (Same as Jour 4590.) Intellectual debates over the definitions and diversities of everyday AfricanAmerican cultural production.

### **AAS 4970 TOPICS IN AFRICANAMER STUDIES 3.0**

Topics in AfricanAmerican Studies. Prerequisite: AAS 2010, AAS 1140, or Hist 1140. Intensive treatment of selected topics in AfricanAmerican studies. May be repeated for 12 credit hours.

### **AAS 4980 SEM & PRACT IN AFRAM STUDIES 3.0**

Seminar and Practicum in AfricanAmerican Studies. Prerequisite: six hours in AfricanAmerican Studies. Integration and application of discipline knowledge in a field setting with nonprofit community organization.

## ACCT = ACCOUNTING

### **ACCT 2101 PRIN OF ACCT I 3.0**

Principles of Accounting I. Prerequisite: none. CSP: 1, 2, 4, 6, 7. In this course, students begin to develop accounting skills for solving business problems, individually and collaboratively. Some of the problems include evaluating business projects and process changes, predicting and reporting operating results, and managing business risks. The course concentrates on planning, decision making, and communication operating results in traditional and ebusiness settings. Students interpret the meaning and characterize the implications of computations with a variety of business products, distribution channels and constraints, and then communicate viewpoints and recommendations to stakeholders using databases, spreadsheet, and word processing software skills.

**ACCT 2102 PRIN OF ACCT II 3.0**

Principles of Accounting II. Prerequisite: Acct 2101, minimum grade of C. CSP: 1, 2, 4, 6, 7. In this course, students continue developing accounting skills for solving business problems, individually and collaboratively. Students analyze information needed for financing and investing decisions and communicate alternatives and recommendations to stakeholders using spreadsheet and word processing software skills. Students evaluate operating outcomes using financial and nonfinancial performance measures appropriate in traditional and ebusiness environments.

**ACCT 4020 PROFESSIONAL ACCOUNTING 1.0**

Professional Accounting. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 4, 5, 7. Prerequisite: B average or higher in Acct 2101 and 2102 or equivalent. Bcom 3950. This course will introduce students to the accounting profession, the institutional, legal and regulatory framework of accounting, the role of various professional accounting associations and institutes, the traditions, expectations and ethical demands of the profession, and the availability of diverse career options.

**ACCT 4030 TRANSACTION ANALYSIS 1.0**

Transaction Analysis. Prerequisite: B average or higher in Acct 2101 and 2102 or equivalent. Requires a 2.5 GSU GPA and 45 semester hours CSP: 1, 2, 4, 5, 7. The course is a tightly focused, intense course emphasizing (1) transaction analysis, (2) basic journal entries of the accounting process, including accruals, adjusting entries, and closing entries, (3) Taccount analysis, (4) the basics of major accounting issues like inventory flow methods, depreciation methods, and utilization of allowance accounts, (5) the structure and logic of the four basic financial statements, and (6) some commonly used ratios related to profitability, liquidity and solvency evaluations.

**ACCT 4110 FIN ACCT AND REPORTING 4.0**

Financial Accounting and Reporting. Prerequisite: Acct 4020, 4030, 4210. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 6. This course exposes students to the realworld challenges of financial accounting and reporting. Class time is primarily devoted to discussions of broad accounting concepts and issues rather than display and instruction of specific accounting rules. The overall goal of the course is to give students exposure to the critical conceptual elements they need to make professional accounting judgments.

**ACCT 4210 COST/MANAGERIAL AC 3.0**

Cost/Managerial Accounting. Prerequisite: B average or higher in Acct 2101 and 2102 for accounting majors. Fi 4000 for finance majors. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 4, 6, 7. Students study the information needed by managers to plan, monitor, and improve their critical processes, products, and services. This course stresses the application of information technologies to tasks such as measuring costs to produce, market, and deliver products and services; planning via flexible budgets and cost-volume-profit analysis; implementing activity-based management systems; and measuring and performance. Students communicate implications of their analyses to stakeholders using database, spreadsheet, and word processing skills.

**ACCT 4310 AC INFORMATION SYSTEMS 3.0**

Accounting Information Systems. Prerequisite: Cis 2010, Acct 4210. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7, 8. This course develops skills required by accountants, users, managers, designers, and evaluators of information systems in ebusiness environments. The skills include choosing, extracting, and analyzing information to solve business problems, modeling technology-enabled business processes, developing information systems, and designing and evaluating internal control in ebusiness environments.

**ACCT 4389 DIRECTED READINGS IN AC 1.0 to 3.0**

Directed Readings in Accounting. Prerequisite: Acct 2101, 2102, minimum grade of C in each, consent of instructor.

**ACCT 4390 CASE STUDIES IN TAXATION 3.0**

Case Studies in Taxation. Prerequisites: Acct 4510 and 2.8 or higher GPA; or consent of the instructor. Requires 45 semester hours. In this course students will use real world cases to identify tax accounting and tax planning issues in unique fact patterns, select and apply appropriate tax laws to unique fact patterns and make decisions requiring knowledge of the tax law and its effect.

**ACCT 4391 FIELD STUDY IN ACCOUNTING 3.0**

Field Study in Accounting. (May be repeated once.) Prerequisites: Acct 4010, Acct 4110; enrollment as an undergraduate accounting major with a 3.0 or higher GPA; consent of instructor. CSP: 1,2,4,6,7,8. The field study is a supervised, employer site learning experience. In this experience, students have the opportunity to apply accounting skills in a professional setting. Students must consult with the instructor or with the School of Accountancy's Undergraduate Program Coordinator before registering to determine whether their employment internship experiences will qualify for credit.

**ACCT 4410 INTRO TO FIN STAT ANAL 3.0**

Introduction to Financial Statement Analysis. Prerequisite: Acct 4110. CSP: 1, 2, 4, 5, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course will introduce students to financial statement analysis. Students will learn how to apply general purpose financial statements and related data to derive estimates and make inferences useful in business decisions.

**ACCT 4510 INTRO FED INCOME TAXES 3.0**

Introduction to Federal Income Taxes. Prerequisite: Must have senior standing or graduate status. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course introduces students to the federal tax concepts applicable to sole proprietorships, partnerships, corporations, estates, and trusts. Emphasis is placed on differences between tax and financial accounting concepts. In addition, students are exposed to accounting periods and methods, deferred compensation, tax planning, ethical practices, and tax research.

**ACCT 4610 ASSURANCE SERVICES 3.0**

Introduction to Assurance Services. Prerequisite: Acct 4110. Prerequisite or corequisite: Acct 4310. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7. This course develops students' knowledge of auditing, attest, and assurance services in traditional and ebusiness environments. Topics include the role of such services in society, evidence relevance and reliability, materiality, risk and control, information integrity, and methods of verification.

**AE = ART EDUCATION****AE 2300 ART & MUSIC FOR EARLY CHILDHOOD 3.0**

Art and Music for Early Childhood. Not for art or music majors. Art and music content and teaching methods with an emphasis on integration into general classroom settings.

**AE 2700 VISUAL ART IN ELEMENTARY CURRIC 1.5**

Visual Art in the Elementary Curriculum. Not for students majoring in art. Art content and teaching methodology, grades P5 with a focus on integration with other disciplines.

**AE 4000 SELECTED TOPICS: ART EDUCATION 3.0**

Selected Topics in Art Education. Special topics for art education students. May be repeated for a maximum of six hours.

**AE 4200 ART FOR PRESCHOOL/FIFTH GRADE 3.0**

Art for Preschool through Fifth Grade. Prerequisites: Art 1020, 1030, 1040, and two 1000level art history courses with grades of C or higher, 2.5 institutional GPA and 3.0 GPA in art and art history courses. Curriculum materials and practicum. Lecture and laboratory.

**AE 4300 ART FOR MIDDLE & SECONDARY SCH 3.0**

Art for Middle and Secondary Schools. Prerequisites: AE 4200 with grade of B or higher and admission to the art education major, 2.5 institutional GPA, 3.0 GPA in art history courses, and portfolio review. Curriculum materials, methods assessment and observations. Lecture and laboratory.

**AE 4400 MEDIA, TECHNOLOGY, VISUAL PRESENTN 3.0**

Media, Technology, and Visual Presentation. Prerequisites: AE 4200 with grade of B or higher and admission to the art education major (2.5 institutional GPA, 3.0 GPA in art and art history courses, and successful portfolio review). Computerbased educational and artistic media, visual presentation, and use of technology in the art classroom.

**AE 4750 STUDENT TEACHING IN ART 3.0**

(TE) Student Teaching in Art. Prerequisite: consent of instructor. Must be taken concurrently with AE 4760, AE 4770, and AE 4780. Observing, teaching, coordinating, and directing art experiences under the guidance of a supervising teacher.

**AE 4760 STUDENT TEACHING IN ART 3.0**

(TE) Student Teaching in Art. Prerequisite: consent of instructor. Must be taken concurrently with AE 4750, AE 4770, and AE 4780. Observing, teaching, evaluating, and directing art experiences under the guidance of a supervising teacher.

**AE 4770 STUDENT TEACHING IN ART 3.0**

(TE) Student Teaching in Art. Prerequisite: consent of instructor. Must be taken concurrently with AE 4750, AE 4760, and AE 4780. Observing, teaching, coordinating, and directing art experiences under the guidance of a supervising teacher.

**AE 4780 STUDENT TEACHING IN ART 3.0**

(TE) Student Teaching in Art. Prerequisite: consent of instructor. Must be taken concurrently with AE 4750, AE 4760, and AE 4770. Observing, teaching, coordinating, and directing art experiences under the guidance of a supervising teacher.

**AE 4785 INTERNSHIP I 3.0**

(TE) Internship I. Prerequisites: Praxis I or equivalent, 2.5 institutional GPA, 3.0 GPA in all art and art history courses, successful completion of AE 4200 with grade of B or higher, or concurrently with consent of instructor, concurrent enrollment in AE 4786, Internship I Seminar. Fulltime internship in an elementary, middle or high school setting. Students will be supervised on site by Georgia State University faculty. Responsibilities include lesson planning, curriculum development, and classroom management.

**AE 4786 INTERNSHIP I SEMINAR 3.0**

(TE) Internship I Seminar. Prerequisites: Praxis I or equivalent, 2.5 institutional GPA, 3.0 GPA in all art and art history courses, successful completion of AE 4200 with grade of B or higher, or concurrently with consent of instructor, concurrent enrollment in AE 4785, Internship I. Seminar designed to support and extend the Internship I through reading, reflective response, creative projects, teaching portfolio and seminar discussion.

**AE 4795 INTERNSHIP II 3.0**

(TE) Internship II. Prerequisites: Praxis I or equivalent, 2.5 institutional GPA, 3.0 GPA in all art and art history courses, successful completion of AE 4200 with grade of B or higher, or concurrently with consent of instructor, concurrent enrollment in AE 4796,

Internship II Seminar. Fulltime internship in an elementary, middle or high school setting. Responsibilities will include selfassessment of teaching performance, creating instructional resources, and integrating art into the larger curriculum.

**AE 4796 INTERNSHIP II SEMINAR 3.0**

(TE) Internship II Seminar. Prerequisites: Praxis I or equivalent, 2.5 institutional GPA, 3.0 GPA in all art and art history courses, successful completion of AE 4200 with grade of B or higher, or concurrently with consent of instructor, concurrent enrollment in AE 4795, Internship II. Seminar designed to support and extend AE 4795, Internship II. Responsibilities will include reading, creating instruction resources, teaching portfolio and integrating art into the larger curriculum.

**AE 4900 ART THEORY & CRITCSM IN ART ED 3.0**

Art Theory and Criticism in Art Education. Prerequisites: Art 1020, 1030, 1040, and two 1000level art history courses with grades of C or higher, 2.5 institutional GPA, and 3.0 GPA in art and art history courses, concurrently or prior to AE 4200 only with consent of the instructor. Topics include art criticism, aesthetics, and multiculturalism and how issues from these areas may impact curriculum in art classrooms. Methods and practicum.

**AE 4980 SPECIAL PROBLEMS 3.0**

Special Problems. Prerequisites: consent of instructor and school director. Course of study initiated by the student.

## AH = ART HISTORY

**AH 1700 SURVEY OF ART I 3.0**

History of Western Art I: Prehistoric through Medieval Art. Art of the Western world from prehistory through the Middle Ages.

**AH 1750 SURVEY OF ART II 3.0**

History of Western Art II: The Renaissance through Contemporary Art. Art of the Western world from the fourteenth century to the present.

**AH 1850 SURVEY OF ART III 3.0**

Art of Africa, Oceania, and the Americas. Survey of the arts of the indigenous cultures of Africa, Oceania, and the Americas. Anthropological and multidisciplinary approach.

**AH 4000 AFRICAN ART 3.0**

African Art. (Same as AAS 4300.) Survey of the sculpture, architecture, textiles, body ornament, and performance arts of Africa in terms of form, meaning, and function within society. Objects reintegrated into cultural contexts and examined in light of "tradition" and social and political change.

**AH 4010 ART OF ANCIENT EGYPT AND NUBIA 3.0**

Art of Ancient Egypt and Nubia. (Same as AAS 4310 and MES 4510.) Survey of the painting, sculpture, architecture, and minor arts in ancient Egypt and Nubia with reference to their chronological development and underlying historical, religious, and cultural meanings.

**AH 4011 ART & ARCH OF ANCIENT EGYPT I 3.0**

Art and Architecture of Ancient Egypt I: 40001600 BC. Prerequisite: AH 1700 with grade of C or higher, or consent of instructor. (Same as MES 4511.) An examination of the art and architecture of ancient Egypt from the Predynastic Period to the Middle Kingdom with reference to stylistic development and historical, religious, and cultural contexts.

**AH 4012 ART & ARCH OF ANCIENT EGYPT II 3.0**

Art and Architecture of Ancient Egypt II: 160031 BC. Prerequisite: AH

1700 with grade of C or higher, or consent of instructor.  
(Same as MES 4512.) An examination of the art and architecture of ancient Egypt from the New Kingdom to the Ptolemaic Period with reference to stylistic development and historical, religious, and cultural contexts.

**AH 4020 ART/ARCHITECT ANCIENT NEAR EAST 3.0**

Art and Architecture of the Ancient Near East. Prerequisite: AH 1700 with grade of C or higher, or consent of instructor. (Same as MES 4520.) An investigation of art and society from the Neolithic period to Alexander the Great, using archaeological data and art historical methods to analyze ancient objects and monuments.

**AH 4030 CONTEMPORARY AFRICAN ART 3.0**

Contemporary African Art. Arts and artists of Africa during the colonial and post colonial eras. Social, political, economic, and cultural frameworks explore shifting notions of tradition, authenticity, and identity as they relate to art, artists, and audiences.

**AH 4110 ART & ARCH OF ANCIENT GREECE 3.0**

Art and Architecture of Ancient Greece. Prerequisite: AH 1700 with grade of C or higher, or consent of instructor. Aegean and ancient Greek art from 3000/31 BC. Examination of archaeological methods, development of style, and the social, religious, and political contexts of artistic production.

**AH 4120 ART & ARCH OF ANCIENT ROME 3.0**

Art and Architecture of Ancient Rome. Prerequisite: AH 1700 with grade of C or higher, or consent of instructor. Roman artistic traditions and building techniques from the time of the Etruscans through the fall of the Roman empire; examination of the Romans' cultural heritage and influences on socioeconomic and political structures to modern times.

**AH 4200 ART & ARCH OF MIDDLE AGES 3.0**

Art and Architecture of the Middle Ages. Prerequisite: AH 1700 with grade of C or higher, or consent of instructor. Art and architecture of Europe and the Mediterranean basin from the Early Christian period to the Gothic, with special emphasis on the church arts of Italy, Byzantium, France, England, and Germany.

**AH 4310 ART OF N EUROPE:RENAISSANCE ERA 3.0**

Art of Northern Europe in the Renaissance Era. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Miniaturistic traditions incorporated into monumental artistic production in Northern Europe during the fifteenth and sixteenth centuries.

**AH 4320 ITAL RENAISSANCE: AGE OF HUMANISM 3.0**

Italian Renaissance Art: The Age of Humanism. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Art from the late fourteenth to the sixteenth century. Focus on philosophical and religious underpinnings.

**AH 4400 BAROQUE ART 3.0**

Baroque Art. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Art of seventeenth century Europe during the age of kings, papal princes, and a new Protestant bourgeoisie in the North.

**AH 4500 19TH C:NEOCLASSICISM THROUGH POST IMPRESSIONISM 3.0**

Nineteenth Century: Neoclassicism through Post Impressionism. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Visual arts of the nineteenth century, analyzed for underlying problems of form and content within the expanded range and complexity of the modern movement.

**AH 4600 MODERN ARCHITECTURE 3.0**

Modern Architecture. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Evolution of twentieth century methods, materials, and concepts of architectural design.

**AH 4610 20TH C PAINTING & SCULPTURE 3.0**

Twentieth Century Modernism and Postmodernism. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Study of modernism and postmodernism as aesthetic philosophies affecting artistic production in Europe and the U.S. since 1900. Emphasizes analysis of social, economic, and political forces as they influence art in diverse media.

**AH 4620 AFRICAN AMERICAN ART 3.0**

African American Art. (Same as AAS 4320.) Aesthetic expressions of African American artists from colonial times to present. Social, cultural, and creative history of Black America. Diverse contributions made by artists of African descent to the development of American culture. Artists, art movements, the relationship of art to politics, and the formation of racial/cultural identity.

**AH 4630 PRECOLUMBIAN ART 3.0**

PreColumbian Art. Introduction to the visual culture of the Andes and Mesoamerica before Columbus.

**AH 4650 AMERICAN ART 3.0**

American Art. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. American painting, sculpture, photography, and architecture from the Revolutionary War to World War II.

**AH 4660 19/20C LATIN AMERICAN ART 3.0**

Nineteenth and Twentieth Century Art in Latin America. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. The work of leading visual artists, architects, and photographers in Latin America during the nineteenth and twentieth centuries. Discussion of historical, political, social, and cultural contexts as well as issues of colonialism, gender relations, ethnicity, and representation.

**AH 4665 LATIN AMERICAN AVANTGARDES 3.0**

Latin American AvantGardes of the 1920s: Argentina, Brazil, Mexico. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. An examination of the work of leading visual artists, architects, and photographers in Argentina, Brazil, and Mexico during the 1910s and 1920s. Discussion of historical, political, social, and cultural contexts as well as issues of cultural colonialism, gender relations, ethnicity, and representation.

**AH 4669 ART IN LATIN AMERICA I: 1900-1950S 3.0**

Art in Latin America I: 1900-1950s. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Examines the work of leading visual artists, architects, and photographers in Latin America from 1900 to the 1950s; considers the historical, political, social, and cultural contexts as well as issues of colonialism, gender relations, ethnicity, and representation of art in Latin America.

**AH 4670 ART IN LATIN AMERICA II: 1950-2000 3.0**

Art in Latin America II: 1950-2000. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Studies the work of leading Latin American visual artists, architects, and photographers since the 1940s. Explores their historical, political, social, and cultural contexts as well as issues of colonialism, gender relations, ethnicity, and representation.

**AH 4700 CONTEMP ART/THEORY & CRITICISM 3.0**

Contemporary Art: Theory and Criticism. Prerequisite: AH 1750 with grade of C or higher, or consent of instructor. Linguistic bases of description, analysis, and evaluation of contemporary art.

**AH 4750 WOMEN ARTISTS 3.0**

Women Artists. (Same as WSt 4740.) A survey of women artists from prehistory to the present.



**AH 4800 SPECIAL STUDIES LECTURE 3.0**

Special Studies Lecture. Prerequisite: One 1000level art history course with grade of C or higher. Course topic to be determined by instructor and may include arts of the Renaissance, Asia, the Islamic world, contemporary issues, and others. Course may be repeated for credit when addressing substantively different topic areas.

**AH 4900 SPECIAL STUDIES SEMINAR 3.0**

Special Studies Seminar. Prerequisite: one 4000level art history course with grade of C or higher. Topics may include African diaspora, German expressionism, Renaissance urban planning, signs and symbols in Christian art, and American identity as shaped by the domestic interior. May be repeated for credit if topics are different.

**AH 4930 ART HISTORY INTERNSHIP 3.0**

Art History Internship. Prerequisite: consent of instructor. Open to any art major. Internship in art history within an established museum program relating to student's academic and career goals.

**AH 4950 CURATORIAL PRACTIC ANCIENT ART 3.0**

Curatorial Practicum in Ancient Art. Prerequisite: one 4000level art history course with grade of C or higher or consent of instructor. A seminar that examines the basics of exhibition theory, design and implementation with a focus on ancient art.

**AH 4980 SPECIAL PROBLEMS 3.0**

Special Problems. Prerequisites: consent of instructor and school director. Independent studies initiated by the student.

**AH 4990 SENIOR COLLOQ:ISSUES ART HIST 3.0**

Senior Colloquium: Issues in Art History. Prerequisite: Senior status. Development of analytical, research, writing, and speaking skills as appropriate to the field of art history. Guest lecturers will discuss art historical issues and professions.

**AL = APPLIED LINGUISTICS****AL 2101 INTRODUCTION TO LANGUAGE 3.0**

Introduction to Language. (Same as ForL 2101.) Nontechnical introduction to issues pertaining to language and languages, including language structure, first and second language acquisition, language variation (regional and social), and language change.

**AL 2102 LANGUAGES OF THE WORLD 3.0**

Languages of the World. (Same as ForL 2102.) Survey of the world's languages and an introduction to the variety of linguistic phenomena found in different languages.

**AL 2103 LEARNING ACROSS CULTURES 3.0**

Learning Across Cultures. Overview of issues in learning and teaching other languages and cultures. Themes include crosscultural transitions, second language acquisition theories, language teaching methodology, and language structure.

**AL 3021 INTRO TO LINGUISTICS 3.0**

Introduction to Linguistics. (Same as ForL 3021.) An introduction to the major areas of linguistics: phonetics, phonology, morphology, syntax, and semantics.

**AL 3031 LANGUAGE IN SOCIETY 3.0**

Language in Society. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 3031.) Introduction to sociolinguistics, focusing on the ways in which language serves the needs of the individual and society.

**AL 3041 SECOND LANGUAGE ACQUISITION 3.0**

Introduction to Second Language Acquisition. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 3041.) Introduction to processes of acquiring a second (foreign or additional) language. Compares the experiences of young children, adolescents, and adult language learners.

**AL 3051 METHODS OF TEACHING EFL 3.0**

Methods of Teaching English as a Foreign Language. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. Nontechnical introduction to teaching English as a foreign language. Includes classroom survival skills, lesson planning, adaptation to life in a new country, and techniques for teaching specific language skills.

**AL 4011 PHONETICS AND PHONOLOGY 3.0**

Phonetics and Phonology. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4011.) Description and classification of the sounds of human language; patterns of their occurrence and rules governing their use in various languages; emphasis on phonology in a generative framework.

**AL 4012 MORPHOLOGY AND SYNTAX 3.0**

Morphology and Syntax. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4012.) Introduction to the basic concepts of syntax, including word classes, constituents, case systems, word order, and grammatical relations. Emphasis on comparison of syntax of a wide variety of languages.

**AL 4111 SEMANTICS AND PRAGMATICS 3.0**

Semantics and Pragmatics in Linguistic Theory. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4111.) Broad range of topics in semantics, the study of how language communicates meaning, and in pragmatics, the study of how language is used to accomplish a speaker's intention.

**AL 4121 HISTORICAL LINGUISTICS 3.0**

Historical Linguistics. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4121.) Comprehensive introduction to historical and comparative linguistics with a focus on causes and mechanisms of language change over time.

**AL 4131 BILINGUALISM 3.0**

Bilingualism. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4131.) Comprehensive introduction to the phenomena, role, and function of bilingualism in the contemporary world with special emphasis on North America.

**AL 4141 SPECIAL TOPICS 3.0**

Special Topics in Language Studies. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4141.) Topic varies according to instructor. May be repeated for a maximum of six semester hours.

**AL 4151 CULTURE/LANG LEARNING 3.0**

Culture and Language Learning. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as ForL 4151.) Introduction to the role of culture in second language learning. Topics include cultures of teachers, students, and language; cultural factors in second language writing, reading, speaking, and listening.

**AL 4161 EFL PRACTICUM 3.0**

English as a Foreign Language Practicum. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. Supervised teaching experience with adult learners and discussion of EFL pedagogical issues. Includes materials design and adaptation, classroom management, and evaluation.

**AL 4980 LANG PARTNER FIELD EXPERIENCE 3.0**

Language Partner Field Experience. Prerequisite: AL 2103, AL 3021, or ForL 3021 with grade of C or higher, or equivalent.  
Supervised field experiences in the English Language Study Partners Program. May be repeated for a maximum of 6 credit hours.

**AL 4999 DIRECTED READINGS 3.0**

Directed Readings.

**ANTH = ANTHROPOLOGY****ANTH 1102 INTRO TO ANTHROPOLOGY 3.0**

Introduction to Anthropology. A holistic and comparative study of the human condition through a survey of the five subfields of general anthropology: sociocultural, archeological, biological, linguistic, and applied anthropology; with emphasis on evolution, adaptation, language, and cognition.

**ANTH 2010 INTRO TO BIOLOGICAL ANTHROPLGY 3.0**

Introduction to Biological Anthropology. Three lecture hours and one laboratory hour a week. Origin, evolution, and present diversity of the human species from the perspective of contemporary studies in anthropology, evolution, human genetics, and human paleontology.

**ANTH 2020 INTRO TO CULTURAL ANTHROPOLOGY 3.0**

Introduction to Cultural Anthropology. Theories, methods, and basic issues in contemporary cultural anthropology, stressing comparison and interpretation of contemporary social problems in western and nonwestern societies. A major emphasis on applying anthropological concepts to the analysis of the contemporary United States, including issues of ethnic diversity, social conflict, and cultural politics.

**ANTH 2030 INTRO TO ARCHEOLOGY 3.0**

Introduction to Archaeology. Brief overview of archaeological methods and concepts followed by an examination of major cultural developments including the geographical spread of humans and the emergence of agriculture and complex societies. Implications for understanding contemporary humanity are included.

**ANTH 3120 AFRICAN DIASPORA 3.0**

African Diaspora. Prerequisite: AAS 1140, AAS 2010, Hist 1140, or Anth 2020 with grade of C or higher. (Same as AAS 3120.) Investigates the dispersal, growth, and influence of people of African descent throughout the world. A comparative analysis of historical, political, cultural, economic, and social developments of the African diaspora.

**ANTH 3240 PEOPLES AND CULTURES OF AFRICA 3.0**

Peoples and Cultures of Africa. (Same as AAS 3240.) Origins, adaptations, and contemporary social, economic, political, and belief systems of the indigenous and mixed populations of Africa.

**ANTH 4020 ANTHROPOLOGICAL THEORY 4.0**

Anthropological Theory. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Historical treatment of the major theoretical trends in anthropology.

**ANTH 4030 ANTHROPOLOGY & URBAN EDUCATION 3.0**

Anthropology and Urban Education. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Complexity of teaching and learning in a multicultural setting. Problems of communicating and improving skills to students with different social and cultural backgrounds within the context of ethnicity, gender, and class.

**ANTH 4040 GNDR/RACE/CLASS IN COMPLEX SOC 3.0**

Gender, Race, and Class in Complex Societies. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. (Same as WSt 4040.) Experiential learning in the urban setting through direct exposure to and experience in an ethnic community. Informed awareness of the knowledge, attitudes, and practices of ethnic communities within the community and larger society.

**ANTH 4050 HUMAN ADAPTATION 4.0**

Human Adaptation. Prerequisite: Anth 1102 or 2010 with grade of C or higher, or consent of the instructor. Humans have adapted to many different environments on the planet. This course explores concepts, issues, and themes in human adaptation and may include topics such as genetic adaptation and selective forces, biocultural adaptations, technological innovation, environmental adaptations, demography and paleodemography, human impact on nature, human behavioral ecology, and global environmental change.

**ANTH 4060 ECOLOGICAL ANTHROPOLOGY 3.0**

Ecological Anthropology. Prerequisite: Anth 1102, 2010, 2020, or 2030 with grade of C or higher, or consent of instructor. Focuses on the complex and dynamic interactions between human beings and their physical environment. This course explores how human populations manipulate and transform their ecosystems and how such interactions shape human life, especially social, political, and economic institutions.

**ANTH 4070 BELIEFS/SYMBOLS/SYSTMS THOUGHT 4.0**

Beliefs, Symbols, and Systems of Thought. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Magic, witchcraft, religion, and science as systems of explanation in contemporary societies; interrelationship of belief and behavior.

**ANTH 4080 CONSUMPTION & MATERIAL CULTURE 3.0**

Consumption and Material Culture. Prerequisite: Anth 2020 with grade of C or higher. This course examines anthropological approaches to material culture and consumption: the practices, relations, and rituals through which things ?from food and clothing to shell valuables or money? become meaningful and are used in the organization of social life. Readings include classic works of anthropology and social theory as well as recent ethnographies of western capitalist, colonial/postcolonial and postsocialist settings.

**ANTH 4110 SOCIAL ORGNZN & CULTURE CHANGE 4.0**

Social Organization and Culture Change. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Survey of various theoretical perspectives used to understand cultural continuity in both kinbased and state level societies.

**ANTH 4112 MODERNITY AND IDENTITY 4.0**

Modernity and Identity. Representations of modernity in postcolonial and metropolitan nationstates. National identities and their articulations with gender, class, and race.

**ANTH 4160 ARCHAEOLOGY OF SOUTHWESTERN US 4.0**

Archaeology of the Southwestern United States. Prerequisite: Anth 2030 with grade of C or higher, or consent of instructor. The appearance of the earliest inhabitants of the Southwest, the development of complex societies, and the effects of Europeans on indigenous culture.

**ANTH 4180 ARCHAEOLOGY OF SOUTHEASTERN US 4.0**

Archaeology of Southeastern United States. Prerequisite: Anth 2030 with grade of C or higher or consent of instructor. The appearance of the earliest inhabitants of the Southeast, the development of complex societies, the effects of Europeans on indigenous culture, and the archaeology of the historic period. Students will be required to participate in three field trips.



**ANTH 4200 URBAN ANTHROPOLOGY 4.0**

Urban Anthropology. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Urban space and social stratification; theories of space, place, and identity; the city in the social imaginary.

**ANTH 4210 NATIVE CULTURES OF N AMERICA 3.0**

Native Cultures of North America. Native cultures of North America from the late Pleistocene through the historic era, focusing on archaeological and ethnographic information about social, economic, and political aspects of aboriginal adaption and change.

**ANTH 4225 IMMIGRATION&ETHNICITYUS HSTRY 4.0**

Immigration and Ethnicity in U.S. History. (Same as Hist 4225.) The history of immigration and the creation of "ethnic" identity in the United States from European contact to the present. The course will explore the relationship between the changing economic, social, legal, cultural, and political conditions of immigration in different historical periods and will examine the ways in which immigrant and nativeborn Americans have continuously renegotiated and evolved notions of ethnicity, race, and American citizenship.

**ANTH 4280 AFRICANAMERICAN ANTHROPOLOGY 3.0**

AfricanAmerican Anthropology. (Same as AAS 4280.) Major writings in the field of AfricanAmerican studies; theories, categories, and methods used in studying complex societies are brought to bear upon the literature; use of ethnographies to provide a comparative perspective for understanding AfricanAmerican cultures.

**ANTH 4300 HUMAN EVOLUTION 3.0**

Human Evolution. Principles and mechanisms of hominid evolution.

**ANTH 4310 HUMAN VARIATION 4.0**

Human Variation. Prerequisite: Anth 1102 or 2010 with grade of C or higher, or consent of instructor. Variation within and between human populations: morphology, gene frequencies, and behavior. Biological concepts of race, race classification, and evolutionary processes acting on humans in the past, present, and future.

**ANTH 4320 GIRLS 3.0**

Girls. (Same as Soci 4315 and WSt 4310.) Feminist analyses of who girls are and how they are socialized in our society. Girls' experiences with social institutions, growth and development issues, selfesteem and body image, sexuality, culture and media, thirdwave feminism, and girls' movements.

**ANTH 4330 PRIMATE BEHAVIORAL ECOLOGY 3.0**

Primate Behavioral Ecology. Examination of the diversity of freeranging primates in their natural habitats. Ecological factors affecting diet, locomotor repertoires, body size, and the evolution of social behavior will be emphasized.

**ANTH 4350 APPLIED BIOCULTURAL ANTHROPLGY 3.0**

Applied Biocultural Anthropology. Prerequisite: Anth 1102 or 2020 with grade of C or higher, or consent of instructor. Seminar on research methods and theory in human population ecology. Topics include methods of physical assessment, epidemiological and demographics analysis, data collection, and analysis.

**ANTH 4360 METHDS & THEORIES IN BIOL ANTH 4.0**

Methods and Theories in Biological Anthropology. Prerequisite: Anth 2010 with grade of C or higher, or consent of instructor. A survey of theories in skeletal biology, bioarchaeology, paleoanthropology, biomedical anthropology, population genetics, and contemporary human biological adaptation. Bioanthropological methods for testing hypotheses and creating explanatory models.

**ANTH 4370 FORENSIC ANTHROPOLOGY 3.0**

Forensic Anthropology. Prerequisite: Anth 2010 with grade of C or higher, or consent of instructor. Laboratorybased identification of skeletal remains of unknown individuals with an emphasis on determining age, sex, evidence of trauma, and cause of death. Crime scene recovery, documentation of evidence, the criminal justice system, and human rights initiatives will be explored.

**ANTH 4390 DIET, DEMOGRAPHY, AND DISEASE 3.0**

Diet, Demography, and Disease. Prerequisite: Anth 1102, 2010, or 2030 with grade of C or higher, or consent of instructor. Overview of human/disease interactions from prehistoric to contemporary populations. Emphasis on major social transformation, such as sedentism, animal and plant domestication, urbanism, and globalism.

**ANTH 4420 WOMEN IN CROSSCULTURAL PERSP 3.0**

Women in CrossCultural Perspective. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. (Same as WSt 4210.) Range of behavior patterns, status, roles, and symbols linked to gender in human cultures and societies. Biological, psychological, and cultural similarities and differences among women worldwide are examined in holistic and comparative analysis.

**ANTH 4430 ANTHROPOLOGY AND PUBLIC HEALTH 3.0**

Anthropology and Public Health. Prerequisite: Anth 1102 or 2020 with grade of C or higher. The history of public health and role of anthropology and other social sciences in the modern public health setting. Overview of current issues in international and domestic public health.

**ANTH 4440 EPIDEMIOLOGY AND ANTHROPOLOGY 4.0**

Epidemiology and Anthropology. Prerequisite: Anth 1102 or 2020 with grade of C or higher. Basic principles of epidemiology, including outbreak investigation, disease control, and analytic epidemiology. Overview of the work of anthropologists in interdisciplinary public health settings.

**ANTH 4450 AMERICAN RACIALETHNIC GROUPS 3.0**

American RacialEthnic Groups. (Same as Soci 3214.) The nature and implications of racial and cultural diversity in the United States, with emphasis on selected racialethnic groups, social histories, cultures, and socioeconomic positions, and on key social issues that affect their situations.

**ANTH 4460 HEALTH AND CULTURE 4.0**

Health and Culture. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Interrelationship of health care delivery systems within the context of the culture and structure of societies; impact of health planning and policy on subcultural groups. Importance of epidemiology, nutrition, transcultural nursing, and mental health in a holistic view of health.

**ANTH 4470 VISUAL CULTURE 4.0**

Visual Culture. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. (Same as WSt 4470.) Study of the visual politics of social organization with emphasis on the images and the arenas of everyday life in North American culture. Includes explorations of the fashion system, the medical body, the cosmetic and fitness industry, visual colonialism, museum displays, and high and popular art.

**ANTH 4480 ETHNOGRAPHIC ANALYSIS 4.0**

Ethnographic Analysis. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Critical survey of current ethnographic theories and analysis of classic ethnographies. Includes a workshop during which students will improve their ethnographic writing skills. Students will also participate in WebCT discussion forums.

**ANTH 4490 ANTHROPOLOGY OF GLOBALIZATION 4.0**

The Anthropology of Globalization. Prerequisite: Anth 2020 with grade of C or higher. Study of the interrelationship between global and local culture; the impact of globalization on cultures and the formation of global cultures. Includes the study of tourism, immigration, popular culture, world cities, transnational intellectuals, ethnicities, and ideologies.

**ANTH 4500 ANTHROPOLOGY OF AGING 3.0**

Anthropology of Aging. Prerequisite: Anth 1102 or 2020 with grade of C or higher, or consent of instructor. (Same as Gero 4500.) Anthropological approach to the aging process in western and nonwestern societies.

**ANTH 4520 ANTHROPOLOGY OF PUBLIC CULTURE 4.0**

Anthropology of Public Culture. Prerequisites: Anth 2020 with grade of C or higher, or consent of instructor. The circulation of commodities, ideas, and practices that produce the condition of being public (and in public) as well as the notion and experience of privacy. Analyzes the production and usage of public and private space (e.g. plazas, malls, homes), museum displays, the social life of commodities (e.g. fashion, antiques, collectibles), and the role of theatricality in everyday life.

**ANTH 4550 FIELD SCHOOL IN ANTHROPOLOGY 4.0 to 8.0**

Field School in Anthropology. Prerequisite: consent of instructor. Anthropological field methods. Students will develop skills in ethnographic, archaeological, and biological methods through field projects. Emphasis will be on providing a holistic interpretation of conditions at the field location.

**ANTH 4560 ADVANCED FIELD SCHOOL IN ANTH 4.0 to 8.0**

Advanced Field School in Anthropology. Prerequisite: Anth 4550 with grade of B or higher, or consent of instructor. Advanced anthropological field methods. Students expand upon the ethnographic, archaeological, linguistic, and/or biological methods learned in Anth 4550 through supervised development and completion of their own professional research project.

**ANTH 4590 ARCHAEOLOGICAL METHODS 4.0**

Archaeological Methods. Prerequisite: Anth 2030 with grade of C or higher, or consent of instructor. Data recovery techniques, analytic methods, and theoretical concepts. Experience with archaeological materials.

**ANTH 4600 ARCHAEOLOGICAL THEORY 4.0**

Archaeological Theory. Prerequisite: Anth 2030 with grade of C or higher, or consent of instructor. Review of the history of theory in anthropological archaeology, followed by a comprehensive overview of the state of contemporary theory and new theoretical directions in the discipline.

**ANTH 4620 QUANTITATIVE METHODS IN ANTH 4.0**

Quantitative Methods in Anthropology. Prerequisite: Anth 1102 or 2020 with grade of C or higher. Basic principles of research design, sampling and field procedures for survey research. Analysis and interpretation of data, including bivariate and multivariate statistics.

**ANTH 4630 QUALITATIVE METHODS IN ANTH 3.0**

Qualitative Methods in Anthropology. Prerequisite: Anth 2020 with grade of C or higher, or consent of instructor. Study in ethnographic research design, data collection, analysis, and application. Special emphasis is placed on applied anthropological research methods relative to community intervention, policy formulation, and program evaluation in the public and private sectors.

**ANTH 4670 METHODS IN SOCIOCULTURAL ANTH 3.0**

Research Methods in Sociocultural Anthropology. Prerequisite: Anth 2020 with grade of C or higher. Examines various research

approaches that constitute sociocultural anthropology. This course dissolves the divisions between qualitative and quantitative research to form an inclusive research methodology. Topics covered include qualitative and quantitative approaches, history of research methodology, defining a population, coding, modeling, social impact analysis, and linguistic and cognitive research.

**ANTH 4830 ANTHROPOLOGY INTERNSHIP 3.0 to 9.0**

Anthropology Internship. Prerequisites: approval of sponsoring faculty advisor and department chair. Academic training and professional experience through shortterm internships at public or private agencies. May be taken more than once, but only three credits may be applied toward major requirements.

**ANTH 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: Consent of the instructor and Honors Program Director. Reading or research preparatory to honors thesis or project.

**ANTH 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis or Project. Prerequisite: Anth 4870, consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**ANTH 4970 SENIOR SEMINAR IN ANTHROPOLOGY 3.0**

Senior Seminar in Anthropology. Prerequisites: 75 hours; Anth 4020 or Anth 4600 with grade of C or higher. Integration of theories and methods learned during study for the B.A. in anthropology; specific emphasis placed on how theory and method relate to modern anthropology.

**ANTH 4980 SELECTED TOPICS 3.0**

Selected Topics. Prerequisite: senior standing with 12 hours in anthropology. May be repeated for credit if topic varies; a maximum of six credit hours may be applied toward the major.

**ARBC = ARABIC****ARBC 1001 ELEMENTARY ARABIC I 4.0**

Elementary Arabic I. Development of basic communication skills in the spoken language. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Arabic.

**ARBC 1002 ELEMENTARY ARABIC II 4.0**

Elementary Arabic II. Prerequisite: Arbc 1001 with grade of C or higher, or equivalent. Development of the basic communication skills in the spoken language. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Arabic.

**ARBC 2001 INTERMEDIATE ARABIC I 4.0**

Intermediate Arabic I. Prerequisite: Arbc 1002 with grade of C or higher, or equivalent. Continuing development of communicative skills; further work with the writing system; reading of simple authentic texts; and intermediate grammatical structures.

**ARBC 2002 INTERMEDIATE ARABIC II 4.0**

Intermediate Arabic II. Prerequisite: Arbc 2001 with grade of C or higher, or equivalent. Continuing development of communicative skills; further work with the writing system; reading of simple authentic texts; and intermediate grammatical structures.

**ARBC 3001 ADVANCED ARABIC I 4.0**

Advanced Arabic I. Prerequisite: Arbc 2002 with grade of C or higher, or equivalent. Advanced language study complemented by Arabic folk tales. Focus on advanced reading comprehension with additional practice in writing, speaking and listening.

**ARBC 3002 ADVANCED ARABIC II 4.0**

Advanced Arabic II. Prerequisite: Arbc 3001 with grade of C or higher, or equivalent. Continued advanced study, complemented by readings from authentic print media.

**ARBC 3501 ARABIC LIT. IN TRANS. I 3.0**

Arabic Literature in Translation I. The interplay of politics, history and literature in the Middle East, issues of censorship, colonialism, the conflicts of tradition and modernity, levels of literacy and readership. Emphasis will be given to Egyptian literature. Taught in English. No knowledge of Arabic required.

**ARBC 3502 ARABIC LIT. IN TRANS. II 3.0**

Arabic Literature in Translation II. The interplay of politics, history, and literature in the Middle East, issues of censorship, colonialism, the conflicts of tradition and modernity, levels of literacy and readership. Emphasis will be given to literature from Palestine and Lebanon. Taught in English. No knowledge of Arabic required.

**ARBC 4001 ADVANCED ARABIC III 4.0**

Advanced Arabic III. Prerequisite: Arbc 3002 with grade of C or higher. This is an advanced level proficiencybased course in Modern Standard Arabic, the primary focus is on improving reading comprehension. The text is augmented with outside sources, including newspapers, to expand vocabulary acquisition and further communicative skills.

**ARBC 4002 ADVANCED ARABIC IV 4.0**

Advanced Arabic IV. Prerequisite: Arbc 4001 with grade of C or higher. This is an advanced level proficiencybased course in Modern Standard Arabic, the primary focus is on improving reading comprehension. The text is augmented with outside sources, including newspapers, to expand vocabulary acquisition and further communicative skills.

**ARBC 4999 DIRECTED READINGS 3.0**

Directed Readings. Prerequisite: Arbc 3002 with grade of B or higher or equivalent. Advanced reading course tailored to subject interests of students.

**ART = ART****ART 1010 DRAWING I 3.0**

Drawing I. Introduction to the techniques, materials, and principles of drawing.

**ART 1020 DRAWING II 3.0**

Drawing II. Prerequisite: Art 1010 with grade of C or higher. Techniques, materials, and principles of drawing.

**ART 1030 TWODIMENSIONAL DESIGN 3.0**

TwoDimensional Design. The fundamentals of twodimensional design introduced through projects in a variety of media.

**ART 1040 THREEDIMENSIONAL DESIGN 3.0**

ThreeDimensional Design. An investigation of threedimensional forms and space using various materials and methods.

**ART 3690 HONORS READINGS 1.0 to 6.0**

Honors Readings. Prerequisites: consent of instructor and Honors Program director. Discussion and readings on selected topics.

**ART 4870 HONORS THESIS: RESEARCH 1.0 to 6.0**

Honors Thesis: Research. Prerequisite: consent of instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**ART 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisite: consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**ART 4900 CRITICAL ISSUES IN CONTEMP ART 4.0**

Critical Issues in Contemporary Art. Prerequisite: 24 credit hours in art. Interdisciplinary course examining changes over the past fifty years, both in art and society, and how these changes have influenced contemporary art and professional art practice. Emphasis on theoretical and critical thinking.

**ART 4980 SPECIAL PROBLEMS 1.0 to 6.0**

Special Problems. Prerequisites: consent of instructor and School director. Independent studies initiated by the student.

**AS = ACTUARIAL SCIENCE****AS 4140 MATH FOUNDATIONS ACT SCI 3.0**

Mathematical Foundations of Actuarial Science. Prerequisite: AS 4130. CSP: 2. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the integration of calculus, probability, and risk management in the solution of actuarial problems. Topics include derivatives, integrals, partial derivatives, multiple integrals, discrete and continuous random variables, and conditional probability applied in a context of risk management. Risk management topics include loss frequency and severity, and insurance concepts such as retention, deductible, coinsurance, and risk premium.

**AS 4230 THEORY OF INTEREST 3.0**

Theory of Interest. Prerequisite: Math 2215. CSP: 2. Requires a 2.5 GSU GPA and 45 semester hours. Topics include measurement of interest, accumulation and discount, forces of interest and discount, equations of value, annuities, perpetuities, amortization and sinking funds, yield rates, bonds and securities, depreciation, depletion, and capitalized costs.

**AS 4260 MICROECO FOUNDATIONS AS 3.0**

Microeconomic Foundations of Actuarial Science. Prerequisite: Econ 2106 and concurrent registration in AS 4230. CSP: 1. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the applications of interest theory and calculus to intermediate microeconomics in an actuarial context.

**AS 4320 INTRO STOCHASTIC MODELS 3.0**

Introduction to Stochastic Actuarial Models. Prerequisite: AS 4130. CSP: 2. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the application of basic stochastic models in an actuarial setting. Topics include review of frequencyseverity models, introduction to compound distributions, stochastic models, and simulation techniques.

**AS 4340 LIFE CONTINGENCIES I 3.0**

Life Contingencies I. Prerequisite: AS 4130, 4230. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 2. This course is an introduction to life contingencies as applied in actuarial practice. Topics include present value random variables for contingent annuities and insurance, their distributions and actuarial present values, equivalence principle, and other principles for determining premiums.

**AS 4350 LIFE CONTINGENCIES II 3.0**

Life Contingencies II. Prerequisite: AS 4340. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 2. This course is a continuation of the study of life contingencies. Topics include insurance and annuity reserves, characterization of discrete and continuous multiple decrement models in insurance and employee benefits, and multiple life models.

**AS 4389 DIR READ IN ACT SCI 1.0 to 3.0**

Directed Readings in Actuarial Science. Prerequisite: consent of instructor.

**ASTR = ASTRONOMY****ASTR 1000 INTRODUCTION TO THE UNIVERSE 3.0**

Introduction to the Universe. Three lecture hours a week. A survey of the universe, examining the historical origins of astronomy; the motions and physical properties of the Sun, Moon, and planets; the formation, evolution, and death of stars; and the structure of galaxies and the expansion of the universe.

**ASTR 1010 ASTRONOMY OF THE SOLAR SYSTEM 4.0**

Astronomy of the Solar System. Three lecture and two laboratory hours a week. Astronomy from early ideas of the cosmos to modern observational techniques. The solar system planets, satellites, and minor bodies. The origin and evolution of the solar system.

**ASTR 1020 STELLAR & GALACTIC ASTRONOMY 4.0**

Stellar and Galactic Astronomy. Prerequisite: Astr 1010 with grade of D or higher. Three lecture and two laboratory hours a week. The study of the Sun and stars, their physical properties and evolution, interstellar matter, star clusters, our galaxy and other galaxies, and the origin and evolution of the universe.

**ASTR 3010 TOPICS IN MODERN ASTRONOMY 3.0**

Topics in Modern Astronomy. Prerequisite: Astr 1020 with grade of D or higher, or equivalent. Three lecture hours a week. Pulsars, quasars, black holes, x-ray sources, UV astronomy, IR astronomy, radio galaxies, interstellar molecules, 3K background radiation, manned and unmanned planetary exploration.

**ASTR 3500 FUNDMNT OF ASTR & ASTROPHYSICS 4.0**

Fundamentals of Astronomy and Astrophysics. Prerequisite: Phys 2212K with grade of D or higher, or consent of instructor. Four lecture hours a week. An intermediate-level course which uses the tools of calculus-based physics to explore astronomy and astrophysics. Applications of mechanics, quantum physics, basic relativity, and thermodynamics to the study of planets, stars, galaxies, and cosmology.

**ASTR 4000 FUNDAMENTALS OF ASTROPHYSICS 3.0**

Fundamentals of Astrophysics. Prerequisites: Phys 3401 and 3402 with grades of D or higher. Three lecture hours a week. Application of mechanics, electricity and magnetism, and atomic and nuclear physics to the solution of astrophysical problems.

**ASTR 4010 ASTRONOMICAL METHODS LAB 1.0**

Astronomical Methods Laboratory. Prerequisite: consent of department. Three laboratory hours a week.

**ASTR 4100 ASTRO TECHNIQS/INSTRUMENTATION 3.0**

Astronomical Techniques and Instrumentation. Prerequisite: Astr 3500 with grade of D or higher, or consent of instructor. Three lecture hours a week. Fundamental and practical application of photography, spectroscopy, photometry, astrometry, interferometry, and current developments in detector technology and telescope design.

**BIOL = BIOLOGY****BIOL 1103K INTRODUCTORY BIOLOGY I 4.0**

Introductory Biology I. Three lecture hours and three laboratory hours a week. Introduction to fundamental concepts in biology, with an emphasis on evolution, inheritance, anatomy and physiology,

metabolism and ecology. Application of these concepts to issues affecting society. This course does not fulfill the requirements for a major in biology.

**BIOL 1104K INTRODUCTORY BIOLOGY II 4.0**

Introductory Biology II. Prerequisite: Biol 1103K or 1107K with grade of D or higher. Three lecture hours and three laboratory hours a week. Introduction to fundamental concepts in biology, with an emphasis on anatomy, physiology, classification and ecological relationships. Application of these concepts to issues affecting society. This course does not fulfill the requirements for a major in biology.

**BIOL 1110K HUMAN ANATOMY & PHYSIOLOGY I 4.0**

Human Anatomy & Physiology I. Three lecture and three laboratory hours a week. Recent course work in biology or chemistry is recommended. Survey of the major organ systems in the human body. Chemical principles related to physiology are included.

**BIOL 1120K HUMAN ANATOMY & PHYSIOLOGY II 4.0**

Human Anatomy and Physiology II. Prerequisite: Biol 1110K with grade of D or higher. Three lecture and three laboratory hours a week. Survey of the major organ systems in the human body. Chemical principles as related to physiology are included.

**BIOL 2050 INTRO TO DRUGS & BEHAVIOR 3.0**

Introduction to Drugs and Behavior. (Same as Psyc 2050.) Provides an introduction to the effects of drugs on behavior. Topics include how drugs affect the brain and, consequently, behavior; the underlying brain and environmental factors thought to be responsible for drug addiction, tolerance and sensitivity; treatment of major psychological disorders (e.g., depression, mania, anxiety) with drug therapy; and the classification of common psychoactive drugs.

**BIOL 2100 INTRO TO BIOLOGICAL INQUIRY 2.0**

Introduction to Biological Inquiry. Two lecture hours per week. Orientation to the degree in Biology. Topics will include methods of scientific inquiry, critical thinking skills, evaluation of biomedical research, literature review, scientific writing, and experimental design. Class discussion and inclass labs will be included. Recommended for biology majors with less than two years of high school biology. Also appropriate for K12 science education and health sciences students.

**BIOL 2107K PRINCIPLES OF BIOLOGY I 4.0**

Principles of Biology I. Prerequisite: Chem 1211K with grade of C or higher. Three lecture and three laboratory hours a week. Introduction to scientific method, theory and experimentation, cell chemistry, enzymes, metabolism, photosynthesis, genetics, ecology, and evolution. Fulfills Biology Major requirement.

**BIOL 2108K PRINCIPLES OF BIOLOGY II 4.0**

Principles of Biology II. Prerequisites: Biol 2107K or Biol 2800; and Chem 1211K with grades of C or higher. Three lecture and three laboratory hours a week. Animal and plant biology with emphasis on structure, physiology, ecology, and evolution. Fulfills Biology Major requirement.

**BIOL 2220 RESEARCH IN BIOLOGY & MEDICINE 2.0**

Introduction to Research in Biology and Medicine. Two lecture hours per week. Analysis of and insights into scientific method, current biological/medical research and literature, hypothesis formulation, brainstorming, experimental design, quality control, data recording, and the maintenance of excellent laboratory notebooks. Class discussion, video, and internet activities.

**BIOL 2240 HUMAN PHYSIOLOGY 3.0**

Human Physiology. Prerequisite: Biol 1104K, 1108K, or 2108K with grade of C or higher. Three lecture hours a week. Major organ



systems with emphasis on homeostatic mechanisms in health and disease. Recommended for health science students. Not open to students with credit for Biol 3240.

**BIOL 2250 HUMAN PHYSIOLOGY LAB 1.0**

Human Physiology Laboratory. Prerequisite: Biol 2240 with grade of D or higher, or concurrently. Three laboratory hours a week. Exercises dealing with major organ systems. Recommended for health sciences students.

**BIOL 2300 MICROBIOLOGY & PUBLIC HEALTH 3.0**

Microbiology and Public Health. Prerequisites: one year each of high school biology and chemistry recommended. Three lecture hours a week. An introduction to infectious disease agents of significance in individual and community health settings. The characteristics, symptoms, diagnosis, control, and treatment of infectious diseases will be considered.

**BIOL 2310 FUNDAMENTAL MICROBIOLOGY LAB 1.0**

Microbiology and Public Health Laboratory. Prerequisite: Biol 2300 with grade of D or higher, or concurrently. Three laboratory hours a week. Basic laboratory techniques for culture and identification of bacteria.

**BIOL 2430 FRONTIERS IN BIOTECHNOLOGY 2.0**

Frontiers in Biotechnology. Prerequisites: Biol 1104K, 1108K, or 2108K, and Chem 1212K with grades of C or higher. Two lecture hours a week. Basic principles of biotechnology with emphasis on genetic engineering and its application to problems of medical, agricultural, and social importance.

**BIOL 2500 NEUROBIOLOGY AND BEHAVIOR 2.0**

Neurobiology and Behavior. Prerequisites: Biol 1104K, 1108K, or 2108K, and Chem 1212K with grades of C or higher. Two lecture hours a week. An introduction to the neural basis of behavior in animals. The emphasis will be on the evolutionary connectedness of all nervous systems, including that of humans, and on demystifying how the brain works, using both reductionist and systemslevel approaches.

**BIOL 2510 ANIMAL CULTURE, LING AND BIOL 3.0**

Animal Culture, Linguistics, and Biology. Exploration of the evolutionary relationships between animal cognition and human cognition and how both are shaped by culture and biology.

**BIOL 2800 INTRO TO MOLECULAR BIOLOGY 2.0**

Introduction to Molecular Biology. Prerequisite: Biol 1104K, Biol 1108K, or Biol 2108K with grade of C or higher, or concurrently, or equivalent. Introduction to understanding DNA structure and replication, transcription, and translation, and the regulation of these processes with an emphasis on improving students' critical thinking and problem solving skills.

**BIOL 3020 INTRODUCTION TO MARINE BIOLOGY 3.0**

Introduction to Marine Biology. Prerequisite: Biol 1104K, 1108K, or 2108K with grade of C or higher. A comprehensive overview of the marine environment and the characteristics of marine organisms and their distinctive communities, such as coral reefs, kelp forests, seagrass beds, and the deep ocean.

**BIOL 3240 HUMAN PHYSIOLOGY 3.0**

Human Physiology. Prerequisites: Biol 1104K, 1108K, or 2108K, and Chem 1212K with grades of C or higher, or consent of instructor. Three lecture hours a week. Major organ systems, with emphasis on homeostatic mechanisms in health and disease. Recommended for Biology majors. Not open to students with credit for Bio 224 or Biol 2240.

**BIOL 3250 HUMAN PHYSIOLOGY LAB 1.0**

Human Physiology Laboratory. Prerequisite: Biol 3240 with grade of C or higher, or concurrently. Three laboratory hours a week. Exercises dealing with the physiology of the major organ systems.

**BIOL 3430 BIOTECHNOLOGY 3.0**

Biotechnology. Prerequisites: Biol 2108K and Chem 1212K with grades of C or higher. Three lecture hours a week. Fundamental principles of biotechnology. Topics include genetic engineering of bacteria, plants and animals; molecular and cellular cloning; the human genome project; forensics and DNA typing; cloning of organisms; and gene therapy. Bioethical implications are also considered.

**BIOL 3440 FUNDAMENTALS OF EVOLUTION 3.0**

Fundamentals of Evolution. Prerequisites: Biol 3800 and Biol 3840 with grades of C or higher. Three lecture hours a week. Mechanisms of evolution, from the molecular to the population level. Topics include population genetics, adaptation, natural selection, speciation, systematics, coevolution, history of life, the geological record, and evolution of humans. This course is also recommended for middle and high school biology teachers.

**BIOL 3690 HONORS READINGS 1.0 to 3.0**

Honors Reading. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**BIOL 3800 MOLECULAR CELL BIOLOGY 3.0**

Molecular Cell Biology. Prerequisites: Biol 2108K or Biol 2800; and Chem 1212K with grades of C or higher. Three lecture hours a week. A survey of biochemistry, molecular genetics, and cell biology including cell structure and chemistry, macromolecular structure and synthesis, protein trafficking, cell motility, signaling, and division.

**BIOL 3810 MOLECULAR CELL BIO LAB 2.0**

Molecular Cell Biology Laboratory. Prerequisite: Biol 3800 with grade of C or higher, or concurrently. Four laboratory hours a week. Experiments demonstrating techniques and concepts in molecular cell biology.

**BIOL 3820 PLANT BIOLOGY 3.0**

Plant Biology. Prerequisites: Biol 2108K and 3800 (or concurrently) with grades of C or higher, or equivalents. Three lecture hours a week. Dynamic aspects of plant function, structure, and growth.

**BIOL 3830 PLANT BIOLOGY LAB 1.0**

Plant Biology Laboratory. Prerequisites: Biol 3810 and Biol 3820 (or concurrently) with grades of C or higher. Three laboratory hours a week. Dynamic aspects of plant function, structure, and growth.

**BIOL 3840 ANIMAL BIOLOGY 3.0**

Animal Biology. Prerequisites: Biol 2108K and 3800 (or concurrently) with grades of C or higher, or equivalents. Three lecture hours a week. Comparative analysis of the behavior, physiology, anatomy, phylogeny, evolution, and ecology of animals.

**BIOL 3850 ANIMAL BIOLOGY LAB 1.0**

Animal Biology Laboratory. Prerequisites: Biol 3810 and Biol 3840 (or concurrently) with grades of C or higher. Three laboratory hours a week. Comparative structure and function of representative animal types.

**BIOL 3880 MICROBIOLOGY 3.0**

Microbiology. Prerequisites: Biol 2108K and 3800 with grades of C or higher, or equivalents. Three lecture hours a week. Functional anatomy, metabolism, cultivation, growth, and control of microorganisms with emphasis on the prokaryotes; relationships of these organisms to their environment.

**BIOL 3890 MICROBIOLOGY LAB 1.0**

Microbiology Laboratory. Prerequisites: Biol 3810 and Biol 3880 (or concurrently) with grades of C or higher, or equivalents. Three laboratory hours a week. Techniques of cultivation, quantitation, isolation, and identification of microorganisms with emphasis on bacteria; effects of physical and chemical agents.

**BIOL 3900 GENETICS 3.0**

Genetics. Prerequisites: Biol 2108K and 3800 with grades of C or higher or equivalent course work. Chem 2400 recommended. Three lecture hours a week. Introduction to classical and molecular genetics including Mendelian genetics, gene mapping, and molecular biology.

**BIOL 3910 GENETICS LABORATORY 1.0**

Genetics Laboratory. Prerequisites: Biol 3810 and Biol 3900 (or concurrently) with grades of C or higher. Three laboratory hours a week. Experiments demonstrating concepts in genetics.

**BIOL 3990 INDEPENDENT READINGS 2.0**

Independent Readings. Prerequisites: Biol 3800 with grade of C or higher, and consent of instructor. Students will read and review primary literature in the field of biology. Students will discuss the readings with the instructor and/or write papers. Topics may vary. Course may be repeated for credit a maximum of two times.

**BIOL 4014K INVERTEBRATE BIOLOGY 4.0**

Invertebrate Biology. Prerequisites: Biol 3840 and 3850 with grades of C or higher, or equivalent course work. Three lecture and three laboratory hours a week. Structure, function, distribution, and taxonomic relationships of invertebrate animals.

**BIOL 4015K VERTEBRATE BIOLOGY 4.0**

Vertebrate Biology. Prerequisites: Biol 3840 and 3850 with grades of C or higher, or equivalent course work, or consent of instructor. Three lecture and three laboratory hours a week. Diversity, taxonomy, structure, function, distribution, and ecology of living and extinct vertebrates.

**BIOL 4045K GENERAL ECOLOGY 4.0**

General Ecology. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. Biol 3820 recommended. Three lecture and three laboratory hours per week. Principles governing distribution and abundance of organisms and their interactions.

**BIOL 4050K NATURAL ENVIRONMENT OF GEORGIA 4.0**

The Natural Environment of Georgia. Prerequisite: Biol 1104K, 1108K or 2108K with grade of C or higher, or equivalent. Three lecture hours a week with a one day weekend lab every other weekend. Principles involved in the structure and function of Georgia's dwindling, but diverse, ecosystems. Locations, diversity, and indicator species will be examined in the classroom and in the field.

**BIOL 4053K FIELD ECOLOGY 4.0**

Field Ecology. Prerequisites: Biol 3820 or 3840 with grade of C or higher, and consent of instructor. Three lecture hours a week with a one to threeweek field trip. Identification of the plant and animal communities characteristics of a given region. The factors responsible for the control and dynamics of these communities will be examined in the field. A field fee is required in addition to the tuition. Trips will take place between semesters.

**BIOL 4074 DEVELOPMENTAL BIOLOGY 4.0**

Developmental Biology. Prerequisites: Biol 3840 and 3900 with grades of C or higher. Four lecture hours a week. Introduction to developmental biology emphasizing cellular, genetic, and molecular aspects and mechanisms of development.

**BIOL 4094 DEVELOPMENTAL NEUROBIOLOGY 4.0**

Developmental Neurobiology. Prerequisite: Biol 3800 with grade of C or higher, or equivalent. Four lecture hours per week. Introduction to the development of the nervous system. Covers the field of developmental neurobiology from neural induction to the modification of neuronal connections in the adult nervous system and uses a variety of model organisms to demonstrate the rules by which nervous systems develop.

**BIOL 4102 FUNDAMENTALS OF NEUROBIOLOGY 4.0**

Fundamentals of Neurobiology. Prerequisites: Biol 3800 and 3840 with grades of C or higher, or equivalent. Comprehensive basis for understanding brain research, major discoveries in neuroscience, and the methods employed for those achievements. Topics include the neural basis of learning and memory, sensory perception, motor control, neurological diseases, drug action, and behavior.

**BIOL 4104 ZOO BIOLOGY 4.0**

Zoo Biology. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. Four lecture hours a week. Historical background as well as current issues and developments in zoos. Topics include conservation, SSPs (Species Survival Plans), behavioral enrichment, studbook management, and planning/economics of major exhibits. Course instruction will be onsite at Zoo Atlanta. Students will work directly with animal curators and keepers.

**BIOL 4105 SPECIAL TOPICS IN ZOO BIOLOGY 1.0**

Special Topics in Zoo Biology. Prerequisite: Biol 4104 with grade of C or higher, or equivalent. One seminarstyle hour per week. Special topics courses to provide more detailed investigations into the subject matter covered in Zoo Biology. Examples include Mammalogy, Ornithology, Herpetology, and Conservation Biology. Course enrollment will be capped at 15 students. (May be repeated if topic varies.)

**BIOL 4114 NEURAL MECHANISMSREG BEHAVIOR 4.0**

Neural Mechanisms of Regulatory Behavior. Prerequisite: Biol 4102 with grade of C or higher, or equivalent course work. (Same as Psyc 4570.) Four lecture hours a week. Brainbehavior interactions in mammals. Topics include the neurochemical/neuroanatomical basis of eating and drinking, temperature regulation, aggression, and reproductive behaviors.

**BIOL 4115 MEDICAL NEUROANATOMY 4.0**

Medical Neuroanatomy. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. Four lecture hours per week. Human brain and spinal cord functional neuroanatomy and associated pathologies.

**BIOL 4130 SENSATION AND PERCEPTION 3.0**

Sensation and Perception. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. (Same as Psyc 4130.) Three lecture hours a week. Experimental analysis of sensory and perceptual processes at both a physiological and a psychophysical level. The five primary sensory systems will be covered: vision, audition, touch, taste, and smell.

**BIOL 4180 NEUROBIOLOGY LABORATORY 4.0**

Neurobiology Laboratory. Prerequisites: Biol 4102 with grade of C or higher, and consent of instructor. (Same as Phys 4180.) Two lecture and six laboratory hours a week. Laboratory techniques in neuroscience, including intra and extracellular electrophysiology, computational methods, neuroanatomy, immunocytochemistry, and neuroethology.

**BIOL 4240 ENDOCRINOLOGY 4.0**

Endocrinology. Prerequisite: Chem 3410 with grade of C or higher, or equivalent course work; Chem 4600 is recommended. Four lecture hours a week. Basic biochemistry and physiology of the endocrine system, including synthesis and secretion of steroid



and protein hormones, mechanisms of hormone action, and endocrinology of reproduction.

**BIOL 4241 HORMONES AND BEHAVIOR 4.0**

Hormones and Behavior. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. (Same as Psyc 4630.) Four lecture hours per week. Interaction of nervous and endocrine systems in the control of animal behavior, including humans, with emphasis on the mechanisms that adapt behavior to the changing physical and social environments.

**BIOL 4242 CIRCADIAN RHYTHMS 4.0**

Circadian Rhythms. Prerequisite: Biol 3840, Psyc 2050, or Psyc 4110 with grade of C or higher, or equivalent. Functional and physiological aspects of biological timekeeping, with special emphasis on circadian timing. Significant student participation is expected with required essential and timely reading assignments.

**BIOL 4246 ADVANCED HUMAN PHYSIOLOGY 4.0**

Advanced Human Physiology. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. The circulatory, respiratory, gastrointestinal, and renal physiological systems will be emphasized.

**BIOL 4248 CELL PHYSIOLOGY 4.0**

Cell Physiology. Prerequisites: Biol 3840, 3880, 3900, and Chem 3410 with grades of C or higher, or equivalent. Chem 4600 is recommended. Four lecture hours a week. Mechanisms of cell and organelle function at the molecular level.

**BIOL 4278 IMMUNOLOGY 4.0**

Immunology. Prerequisites: Biol 3880 and 3900 with grades of C or higher, or equivalent course work. Four lecture hours a week. Principles of immunobiology with emphasis on humoral and cellular immunity, immunochemical methods for detection, quantitation and study of humoral antibodies and immune cells.

**BIOL 4284 BIOENERGETICS 3.0**

Bioenergetics. Prerequisite: Chem 4600 with grade of C or higher, or equivalent. (Same as Chem 4840.) Three lecture hours a week. Principles and experimental methods appropriate to energy transduction in a variety of biological systems.

**BIOL 4428 MEDICAL MICROBIOLOGY 4.0**

Medical Microbiology. Prerequisite: Biol 3880 with grade of C or higher, or equivalent course work. Four lecture hours per week. An overview of significant human and animal pathogens, including aspects of bacterial, viral, protozoan, and helminthic infections and pathogenesis. Pathogen characteristics and features, epidemiology, immunity, and treatment.

**BIOL 4430 MICROBIAL DIVERSITY/SYSTEMATICS 4.0**

Microbial Diversity/Systematics. Prerequisite: Biol 3880 with grade of C or higher. Four lecture hours per week. Principles of microbial diversity with emphasis on the phylogeny, metabolism, interactions of microorganisms with the environment and molecular mechanisms generating diversity and the impact on modern methods of bioprospecting.

**BIOL 4438 APPLIED MICROBIOLOGY 4.0**

Applied Microbiology. Prerequisite: Biol 3880 with grade of C or higher, or equivalent course work. Four lecture hours a week. Microbiology of industrial processes, including quality control, fermentations, biotransformations, strain selection, and maintenance.

**BIOL 4450 MOLECULAR MODELING METHODS 2.0**

Molecular Modeling Methods. Prerequisites: Chem 3410 and Chem 4110 with grades of C or higher, or equivalent work, and consent of the instructor. (Same as Chem 4450.) Use of molecular mechanics methods to solve structural problems in organic,

bioorganic, and biophysical chemistry. May be repeated if topics are different.

**BIOL 4451 AQUATIC POLLUTION & TOXICOLOGY 4.0**

Aquatic Pollution and Toxicology. Prerequisites: Biol 2108K and Chem 1212K with grades of C or higher, or equivalent. Chem 2400 recommended. Four lecture hours per week. Comprehensive introduction to water pollution (including relevant methods and techniques) and its relationship to public health.

**BIOL 4458 MICROBIAL ECOLOGY & METABOLISM 4.0**

Microbial Ecology and Metabolism. Prerequisites: Biol 3880 and Chem 2400 with grades of C or higher, or equivalent course work. Four lecture hours a week. Microbial communities and the interrelationships of microorganisms and environment. Particular emphasis on metabolic activities and their measurement and applications to environmental problems (bioremediation).

**BIOL 4460 PARASITOLOGY 4.0**

Parasitology. Prerequisite: Biol 3800 with grade of C or higher or consent of instructor. A survey of the important parasites of humans and domestic animals. Emphasis will be placed on medically important parasitic protozoa, helminthes, and arthropods; clinical effects of infection, epidemiology, methods for detection and identification as well as global impact of parasitic diseases in today's world.

**BIOL 4480 PRINCIPLES OF TOXICOLOGY 4.0**

Principles of Toxicology. Prerequisite: Biol 1104K, 1108K, or 2108K with grade of C or higher, or equivalent course work. Chem 4600 is recommended. Four lecture hours a week. Studies of the absorption, distribution, and excretion of toxicants, their detoxification and bioactivation, and their adverse effects.

**BIOL 4481 MYCOLOGY 4.0**

Mycology. Prerequisites: Biol 3880 and 3890 with grades of C or higher, or equivalent course work. Four lecture hours a week. Study of the ecology, physiology, and systematics of microfungi, particularly organisms of industrial and economic importance.

**BIOL 4484 LAB TECH:APPLD & ENVIRON MICRO 4.0**

Laboratory Techniques in Applied and Environmental Microbiology. Prerequisites: Biol 3880, 3890, or equivalent course work and at least two of the following: Biol 4438, 4458, 4481 with grades of C or higher. One lecture and six laboratory hours a week. Techniques and procedures for isolation, characterization, and identification of microorganisms of practical significance; model ecosystems and biofilms; sampling and enumeration of microorganisms; metabolism; and analysis of microbial growth.

**BIOL 4500 HUMAN GENETICS 4.0**

Human Genetics. Prerequisite: Biol 3900 with grade of C or higher, or equivalent. Four lecture hours a week. Principles of human heredity, with emphasis on the molecular basis of heredity, detection and treatment of genetic diseases, and genetic counseling.

**BIOL 4535 BIOETHICS AND BIOTECH 4.0**

Bioethics and Biotechnology. Prerequisite: Biol 3900 with a grade of C or higher. Four lecture hours a week. Recent techniques in biotechnology (e.g., genetic engineering, stem cell cloning, and predictive genetic testing), and the social and ethical issues raised by these technologies.

**BIOL 4564 ADVANCED GENETICS 4.0**

Advanced Genetics. Prerequisite: Biol 3900 with grade of C or higher. Four lecture hours a week. Advanced topics and techniques in prokaryotic and eukaryotic genetic systems, including gene mapping, molecular techniques, regulation of gene expression, genomics, and population genetics.

**BIOL 4575 VIROLOGY 4.0**

Virology. Prerequisites: Biol 3880 and 3900 with grades of C or higher, or equivalent course work. Four lecture hours per week. Introduction to viruses, including structure and replication of viruses; virus isolation and classification; pathogenesis and epidemiology of virus disease.

**BIOL 4580 MICROBIAL PATHOGENESIS 4.0**

Microbial Pathogenesis. Prerequisite: Biol 3880 and Biol 3900 with grades of C or higher, or equivalent course work. Four lecture hours a week. This course integrates material from pathogenic microbiology, molecular biology and immunology into an overview of bacterium-host interactions including bacterial attributes, virulence factors, and several paradigms of bacterium-host interactions focusing on molecular and genetic approaches.

**BIOL 4595 MICROBIAL PHYSIOLOGY & GENETICS 4.0**

Microbial Physiology and Genetics. Prerequisites: Biol 3880 and Biol 3900 with grades of C or higher. Chem 4600 recommended. Four lecture hours a week. Molecular biology of bacteria and their viruses, with an emphasis on the use of microbes as model systems for studying molecular processes. Topics include microbial physiology, genetic exchange, gene expression, recombinant DNA technology, and the molecular basis for microbial pathogenesis.

**BIOL 4600 EVOLUTIONARY BIOLOGY 4.0**

Evolutionary Biology. Prerequisites: Biol 3800 and Biol 3840 with grades of C or higher. Four lecture hours a week. Mechanisms of evolution, from the molecular to the population level. Topics include population genetics, adaptation, natural selection, speciation, systematics, coevolution, history of life, the geological record, and evolution of humans. Also appropriate for K12 science education students and inservice teachers.

**BIOL 4630 ENZYMOLOGY 3.0**

Enzymology. Prerequisites: one year of organic chemistry (Chem 3410) and one semester of biochemistry (Chem 4600) with grades of C or higher, or equivalent. (Same as Chem 4630.) Introduction to enzyme catalysis, with emphasis on the general concepts of enzyme kinetics and the common tools for studying enzymes.

**BIOL 4640 FUNDAMENTALS OF BIOINFORMATICS 4.0**

Fundamentals of Bioinformatics. Prerequisites: Biol 3800 with grade of C or higher, or equivalent, or written approval of instructor. (Same as Chem 4640 and CSc 4640.) Four lecture hours per week. A "hands-on" approach to bioinformatics using PCs, the internet, and computer graphics to analyze, correlate, and extract information from biological databases, emphasizing sequence and structure databases for proteins and nucleic acids, and introducing the computer skills necessary for bioinformatics. Topics include: sequences and three-dimensional structures of proteins and nucleic acids, the major databases, algorithms for sequence comparison, data mining, and prediction of structure and function.

**BIOL 4680 BIOLOGICAL IMAGING 4.0**

Biological Imaging. Prerequisites: Biol 3800 and Phys 1112K or Phys 2212K with grades of C or higher, or equivalent. Four lecture hours per week. An introduction to the theory of microscopy and various types of microscopes and their applications to biological research. Topics include: microscopes, basic specimen preparation, and staining techniques.

**BIOL 4685 FUNCTIONAL HISTOLOGY 4.0**

Functional Histology. Prerequisites: Biol 3800 and 3240 with grades of C or higher, or equivalent. Four lecture hours per week. Topics include preparation and basic staining of tissues, special stains, identification of tissue features and classification. The course will correlate tissue form and function by incorporating concepts of cell, tissue, and organ physiology.

**BIOL 4690 LAB IN ELECTRON MICROSCOPY 4.0**

Laboratory in Electron Microscopy. Prerequisite: Biol 4680 with grade of C or higher, or equivalent. Eight laboratory hours per week. Practical application of transmission and scanning microscopy techniques, including sample preparation, instrument operation, image acquisition, and interpretation of ultrastructure. Each student will be required to complete two independent projects, one using transmission electron microscopy and one using scanning electron microscopy.

**BIOL 4694 BIOSAFETY: PRINCIPLES & PRACT 4.0**

Biosafety: Principles and Practice. Prerequisites: Biol 3800 with grade of C or higher, or equivalent, or consent of instructor. Four lecture hours per week. The discussion of pathogenic agents and their associated occupational and public health risks. Topics include emerging biosafety issues such as bioterrorism, human gene therapy, and federal and state regulations guiding use of pathogenic organisms.

**BIOL 4696 LAB IN MOLEC BIOL TECHNIQUES 4.0**

Laboratory in Molecular Biological Techniques. Prerequisites: Biol 3900 with a grade of C or higher. Chem 4600 recommended. One lecture and six laboratory hours a week. Isolation and characterization of nucleic acids and proteins. Topics include molecular cloning, isolation, characterization and sequence analysis of chromosomal and plasmid DNA, PCR mediated gene amplification, and protein purification.

**BIOL 4744 BIostatISTICS 3.0**

Biostatistics. Prerequisites: Math 2211 and Biol 2108K with grades of C or higher, or equivalents. (Same as Math 4544.) Three lecture hours a week. Principles and methods of statistics as applied to biology and medicine.

**BIOL 4780 BIOMOLECULAR SIMULATIONS 3.0**

Biomolecular Simulations. Prerequisites: Chem 3410 and Chem 4120 or equivalents with grades of C or higher, or consent of instructor. (Same as Chem 4780.) This is an introductory self-contained course on the application of molecular dynamics and related methodologies by which student with a relatively limited background in chemistry, biology, and computer literacy can learn the fundamentals of research in these areas. In this course, students will learn to do computer calculations that quantify biomolecular interaction concepts discussed in lectures in biology, biochemistry, and biophysics.

**BIOL 4800 PRINCIPLES OF CELLULAR BIOLOGY 4.0**

Principles of Cellular Biology. Prerequisites: Biol 3800, Biol 3900, and Chem 1211K with grades of C or higher, or consent of instructor. Four lecture hours a week. Survey of cellular components and processes in different cell types as they relate to the function of the cell. Includes signal transduction, photoreceptors, neurons, muscle, blood cells, cells of the immune system, and cell biology of infection.

**BIOL 4870 HONORS THESIS: RESEARCH 3.0 to 6.0**

Honors Thesis: Research. Prerequisites: consent of instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**BIOL 4880 HONORS THESIS: WRITING 3.0**

Honors Thesis: Writing. Prerequisites: Biol 4870 with grade of C or higher, or equivalent and consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**BIOL 4900 DIR LAB STUDY 2.0**

Directed Laboratory Study. Corequisite: Biol 4910 or equivalent. One lecture hour and one discussion hour per week. Student learning of experimental strategies and procedures through laboratory group meetings and individual discussion with faculty laboratory director.

**BIOL 4905 THEMEBASED BIOLOGY LABORATORY 2.0**

ThemeBased Biology Laboratory. Prerequisite: Biol 3810 with grade of C or higher. Students will work in small groups to develop specific biological hypotheses, design and carry out experiments to test these hypotheses, and analyze the results they obtain. Topics will vary.

**BIOL 4910 UNDERGRAD RESEARCH IN BIOLOGY 1.0 to 5.0**

Undergraduate Research in Biology. Prerequisites: at least 20 hours in biology and consent of instructor. Independent laboratory investigation of common interest to student and instructor. May be repeated once.

**BIOL 4911 INTERNSHIP IN ZOO RESEARCH 3.0**

Internship in Zoo Research. Prerequisite: Biol 4104 with grade of C or higher, or equivalent. Admission by permission of instructor. Nine lab hours per week. Students will directly participate in ongoing primary research at the zoo. This will be under the direction of animal curators and keepers at the zoo and will provide specific research opportunities with the living collections at Zoo Atlanta.

**BIOL 4912 ZOO INTERNSHIP IN ANIMAL MGMT 3.0**

Zoo Internship in Animal Management. Prerequisite: Biol 4104 with grade of C or higher, or equivalent. Admission by permission of instructor. Nine lab hours per week. Supervised hands-on experience with the practical aspects of managing a wide range of exotic animals in a captive setting. Students will work directly with animal curators and keepers.

**BIOL 4913 GEORGIA AQUARIUM INTERNSHIP I 2.0**

Georgia Aquarium Internship I. Prerequisite: Biol 3020 with grade of B or higher, or consent of instructor. Students will participate in the education programs at the Georgia Aquarium one morning a week for about three hours, depending on Aquarium requirements, and under the supervision of Aquarium staff. The primary goal is to train interns to be able to deliver education programs at the Georgia Aquarium.

**BIOL 4914 GEORGIA AQUARIUM INTERNSHIP II 2.0**

Georgia Aquarium Internship II. Prerequisites: Biol 4913 with grade of S and consent of instructor. This is the second part of the Georgia Aquarium internship program. Students will participate in the education programs at the Georgia Aquarium one morning a week for about three hours, depending on Aquarium requirements, and under the supervision of Aquarium staff. The interns will deliver education programs to visiting student groups and train interns in first part of the Intern program (Biol 4913 or Biol 6913).

**BIOL 4915 COLLAB INTERNSHIPS IN BIOLOGY 2.0**

Collaborative Internships in Biology. Prerequisite: consent of instructor. Students receive supervised hands-on training and/or work experience in a topic related to their field of study. Topics and specific internship opportunities available each semester will vary. May be repeated for credit a maximum of two times.

**BIOL 4920 ELEMENTARY SCIENCE ED PARTNERS 1.0 to 2.0**

Elementary Science Education Partners. Prerequisites: Junior or Senior majoring in natural sciences and consent of ESEP coordinator. Demonstrating hands-on science in the public elementary school classroom. May be repeated for a maximum of four credit hours.

**BIOL 4930 TOPICS IN BIOLOGY 3.0 to 4.0**

Topics in Biology. Prerequisite: consent of instructor. Three or four lecture hours a week. Detailed examination of a selected area in biological sciences. May be repeated for credit if topic is different.

**BIOL 4960 BIOLOGY CAREERS SEMINAR 1.0**

Biology Careers Seminar Prerequisite: Biol 3800 with grade of C or

higher. Speakers from different biology-related fields will discuss their jobs from the perspective of helping Biology majors with their career planning. Topics will include graduate training at GSU, health and teaching-related careers, other biology-related careers, and job search strategies. (May be repeated for credit a maximum of two times.)

**BIOL 4970 BIOLOGY SEMINAR 1.0**

Biology Seminar. Prerequisite: at least 20 hours in biology. Current research topics in biology. May be repeated for credit a maximum of two times.

**BUSA = BUSINESS ADMINISTRATION****BUSA 3000 GLOBAL AND BUS PRACTICES 3.0**

Globalization and Business Practice. Prerequisite: Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 6, 7. This course examines worldwide integration of economic, political, technological, cultural, and social facets to explore the impact of globalization on organizations and individuals worldwide. Students develop a worldview of the global marketplace. They learn how to incorporate their knowledge and understanding of global markets through the simultaneous consideration of all business functions. Analytical frameworks such as SWOT are used to conduct firm and industry analyses. Special consideration is given to key issues in e-business that affect trends in international business.

**BUSA 4980 STRATEGIC MANAGEMENT 3.0**

Strategic Management. Prerequisites: Bcom 3950 or Engl 3130, BusA 2106, Busa 3000, Fi 3300, Mgs 3100, Mgs 3400, Mk 3010: completion of four upper-level major courses. CSP: 1, 2. Requires a 2.5 GSU GPA and 45 semester hours. This is a capstone course in the B.B.A. program and is required of all seniors. The course integrates subject matter from the business core courses and other disciplines. This course focuses on integrated approaches to medium and long-term organizational challenges in a dynamic environment. Students develop skills in, and appreciation of, the role of all managers in the formulation and implementation of organizational strategies. A computer simulation involving teams of students from different functional backgrounds is a major part of the instructional design. Warning: B.B.A. students who violate any of the prerequisites for BusA 4980 are subject to disenrollment by the college regardless of performance or time lapse and will be allowed a tuition refund in accordance with the university's refund schedule.

**CER = CERAMICS****CER 3000 HAND BUILDING I 3.0**

Hand Building I. Prerequisite: Art 1040 with grade of C or higher. Hand building methods of clay fabrication. Investigation of decoration processes, glazing, and firing of ceramic ware.

**CER 3100 WHEEL THROWING I 3.0**

Wheel Throwing I. Prerequisite: Art 1040 with grade of C or higher. Throwing on the potter's wheel. Emphasis on developing basic skills and techniques.

**CER 4000 SELECTED TOPICS IN CERAMICS 3.0**

Selected Topics in Ceramics. Prerequisite: Cer 3000 or 3100 with grade of C or higher. Special topics for studio art majors. May be repeated for a maximum of nine credit hours.

**CER 4100 WHEEL THROWING II 4.0**

Wheel Throwing II. Prerequisite: Cer 3100 with grade of C or higher. Advanced work on the potter's wheel. Introduction to techniques of the production potter.

**CER 4200 FORMS/SURFACE INSTRUCTION 4.0**

Forms and Surface Instruction. Prerequisites: Cer 3000 and 3100 and one 4000level ceramics course with grades of C or higher. Emphasis on decoration methods and techniques.

**CER 4300 CERAMICS MATERIALS 4.0**

Ceramics Materials. Prerequisites: Cer 3000, Cer 3100, and one 4000level ceramics course with grades of C or higher, or consent of instructor. Elementary chemistry as applied to glaze calculation; firing process; clay bodies; kiln building; studio equipment; and organizing.

**CER 4500 DIRECTED STUDY IN CERAMICS 4.0**

Directed Study in Ceramics. Prerequisite: Cer 4100 or 4600 with grade of C or higher. Individual studio problems for advanced students.

**CER 4600 CERAMIC SCULPTURE 4.0**

Ceramic Sculpture. Prerequisite: Cer 3000 with grade of C or higher. Advanced methods of hand building with clay; emphasis on ceramic sculptural techniques. Studies in experimental hand forming processes, including moldmaking, technical and aesthetic explorations with largescale works.

**CER 4910 HISTORY OF CERAMICS 4.0**

History of Ceramics. Ceramics from the potteries of indigenous cultures to the fine porcelains of Asia and Europe and culminating in the eclecticism of the contemporary world. Includes ceramics from Africa, Egypt, Greece, Asia, the Near East, Europe, and the United States.

**CER 4920 CONTEMPORARY CERAMIC HISTORY 3.0**

Contemporary Ceramic History. Exploration of the ceramics from the Arts and Crafts Movement of the nineteenth century through contemporary trends.

**CER 4930 INTERNSHIP IN CERAMICS 4.0**

Internship in Ceramics. Prerequisite: consent of advisor. Practicum in the field outside university setting. Written agreement outlining internship goals required.

**CER 4940 PORTFOLIO I 3.0**

Portfolio I. Prerequisite: Cer 4500 with grade of C or higher. Senioreyear studio experiences for B.F.A. degree candidates. Committee review.

**CER 4950 PORTFOLIO II 3.0**

Portfolio II. Prerequisite: Cer 4940 with grade of C or higher, or concurrently. Culminating studio experiences for B.F.A. degree candidates. Committee review.

**CER 4980 SPECIAL PROBLEMS 4.0**

Special Problems. Prerequisites: consent of instructor and of school director. Independent studies initiated by the student. May be repeated for a maximum of eight credit hours.

**CHEM = CHEMISTRY****CHEM 1050 CHEMISTRY FOR CITIZENS 3.0**

Chemistry for Citizens. Prerequisite: high school chemistry recommended. Three lecture hours a week. Modern chemical concepts and chemical processes with their impact on a technological society; the background for informed decisions.

**CHEM 1101K INTRODUCTORY CHEMISTRY I 4.0**

Introductory Chemistry I. Three lecture and three laboratory hours a week. First course in a twosemester sequence covering the basic principles and applications of chemistry for nonscience majors.

Topics to be covered include atomic structure and isotopes, periodicity, and chemical equations. Laboratory exercises supplement the lecture material.

**CHEM 1102K INTRODUCTORY CHEMISTRY II 4.0**

Introductory Chemistry II. Prerequisite: Chem 1101K with grade of D or higher. Three lecture and three laboratory hours a week. Second course in a twosemester sequence covering the basic principles and applications of chemistry for nonscience majors. Laboratory exercises supplement the lecture material.

**CHEM 1151K SURVEY OF CHEMISTRY I 4.0**

Survey of Chemistry I. Three lecture and three laboratory hours a week. Students with a good science background may apply for exemption. First course in a twosemester sequence covering elementary principles of general, organic, and biochemistry designed for allied health profession majors. Topics to be covered include elements and compounds, chemical equations, nomenclature, and molecular geometry. Laboratory exercises supplement the lecture material.

**CHEM 1152K SURVEY OF CHEMISTRY II 4.0**

Survey of Chemistry II. Prerequisite: Chem 1151K with grade of D or higher, or its exemption. Three lecture and three laboratory hours a week. Second course in a twosemester sequence covering elementary principles of general, organic, and biochemistry designed for allied health profession majors. Laboratory exercises supplement the lecture material.

**CHEM 1201 CHEM I CONCEPT DEVELOPMENT 1.0**

Chemistry I Concept Development. Prerequisite: concurrent enrollment in Chem 1211K. One lecture hour a week. Elaborates key chemical concepts and illustrates problemsolving techniques for college chemistry for natural science majors. Recommended for students who have completed a standard high school chemistry course. This course does not count toward a degree.

**CHEM 1202 CHEM I PROBLEM SOLVING 2.0**

Chemistry I Problem Solving. Prerequisite: concurrent enrollment in Chem 1211K. Two lecture hours a week. Indepth problemsolving techniques and study methods for college chemistry for natural science majors. Recommended for students who have not completed a standard high school chemistry course. This course does not count toward a degree.

**CHEM 1203 CHEM II CONCEPT DEVELOPMENT 1.0**

Chemistry II Concept Development. Prerequisite: Concurrent enrollment in Chem 1212K. One lecture hour a week. Elaborates key chemical concepts and illustrates problemsolving techniques for college chemistry for natural science majors. This course does not count toward a degree.

**CHEM 1211K GENERAL CHEMISTRY I 4.0**

General Chemistry I. Prerequisite: One year of high school chemistry or the equivalent and authorization by department. Math 1113 as a prerequisite or corequisite is strongly advised. Three lecture and three laboratory hours a week. First course in a twosemester sequence covering the fundamental principles and applications of chemistry for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature. Laboratory exercises supplement the lecture material.

**CHEM 1212K GENERAL CHEMISTRY II 4.0**

General Chemistry II. Prerequisite: Chem 1211K with grade of D or higher. (Grade of C or higher required for all Chemistry majors.) Three lecture and three laboratory hours a week. Second course in a twosemester sequence covering the fundamental principles and applications of chemistry for science majors. Laboratory exercises supplement the lecture material.



**CHEM 2010 INTRO TO QUANTITATIVE ANALYSIS 2.0**

Quantitative Analysis. Prerequisite: Chem 1212K with grade of C or higher. One lecture and four laboratory hours a week. Fulfills quantitative analysis requirement for premedical students and chemistry majors. Fundamentals of quantitative analysis applied to a research project. Topics include acidbase and complex ion equilibria, redox potentials, electrochemistry, spectroscopy, and separations.

**CHEM 2030K INTRODUCTION TO CHEMISTRY 3.0**

Introduction to Chemistry. Two lecture and three laboratory hours a week. Chemical concepts and processes in the natural world; the basis for making scientific and technological choices in a modern society focusing on the needs of Early Childhood Educators.

**CHEM 2400 ORGANIC CHEMISTRY I 4.0**

Organic Chemistry I. Prerequisite: Chem 1212K with grade of D or higher. Concurrent enrollment in Chem 3100 is strongly suggested. Three lecture hours and one recitation hour Three lecture hours and one recitation hour a week. Reactions, methods of preparation, and physical and chemical properties of the common classes of carbon compounds, with emphasis upon modern electronic and mechanistic theories.

**CHEM 2401 ORGANIC CHEMISTRY PROBLEMS I 1.0**

Organic Chemistry Problems I. Corequisite: concurrent registration in Chem 2400. One lecture hour per week. An auxiliary course for students taking Chem 2400. Emphasis is on problem solving in organic chemistry. This course does not count toward graduation.

**CHEM 3030K INTRODUCTION TO CHEMISTRY 3.0**

Introduction to Chemistry. Two lecture and three laboratory hours a week. Chemical concepts and processes in the natural world; the basis for making scientific and technological choices in a modern society focusing on the needs of Middle Childhood Educators.

**CHEM 3100 ORGANIC CHEMISTRY LAB I 2.0**

Organic Chemistry Laboratory I. Prerequisites: Chem 1212K with grade of C or higher, and concurrent enrollment in Chem 2400. One lecture and 3.5 laboratory hours a week. Modern quantitative and physical laboratory methods applied to the synthesis, separation, purification, identification, and the physical and chemical properties of organic compounds.

**CHEM 3110 ORGANIC CHEMISTRY LAB II 2.0**

Organic Chemistry Laboratory II. Prerequisites: Chem 2400 with grade of C or higher, and concurrent enrollment in Chem 3410 (or previous enrollment in Chem 3410 with a grade of C or higher). One lecture and four laboratory hours a week. Modern quantitative and physical laboratory methods applied to the synthesis, separation, purification, identification, and the physical and chemical properties of organic compounds.

**CHEM 3410 ORGANIC CHEMISTRY II 4.0**

Organic Chemistry II. Prerequisite: Chem 2400 with grade of C or higher. Concurrent enrollment in Chem 3110 is strongly suggested. Three lecture hours and one recitation hour a week. Reactions, methods of preparation, and physical and chemical properties of the common classes of carbon compounds, with emphasis upon modern electronic and mechanistic theories.

**CHEM 3411 ORGANIC CHEMISTRY PROBLEMS II 1.0**

Organic Chemistry Problems II. Corequisite: concurrent registration in Chem 3410. One lecture hour per week. An auxiliary course for students taking Chem 3410. Emphasis is on problem solving in organic chemistry. This course does not count toward graduation.

**CHEM 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisite: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**CHEM 4000 FUNDAMEN OF CHEMICAL ANALYSIS 3.0**

Fundamentals of Chemical Analysis. Prerequisites: Chem 3410 with grade of C or higher and Math 2212 with grade of D or higher. Two lecture and four laboratory hours a week. Chemical equilibria of acidbase systems, metal ion complexes and solubility, and their relationship to chemical analysis; use of manual and semiautomatic methods of data collection.

**CHEM 4001 PROBLEM SOLVING IN ANAL. CHEM. 2.0**

Problem Solving in Analytical Chemistry. Two lecture hours a week. Concurrent enrollment in Chem 4000 required. Emphasis on solving assigned problems and review of lecture material. This course does not count toward a B.S. Degree in Chemistry.

**CHEM 4010 INST METHODS I: CHROMATOGRPHY 3.0**

Instrumental Methods I: Chromatography. Prerequisite: Chem 4000 with grade of C or higher. Corequisite: Chem 4110. Two lecture and three laboratory hours a week. Modern methods, e.g., gas, liquid, thin layer, column, and ion exclusion chromatographic techniques, used to demonstrate the principles of chromatography.

**CHEM 4015 SEPARATION IN BIOSCIENCES 3.0**

Separation in Biosciences. Prerequisites: Chem 4000 and 4010 with grades of C or higher, or equivalent. Two lecture and three laboratory hours a week. Analytical chemistry applications of electrophoresis, gel chromatography precipitation, and ultracentrifugation to molecular recognition and separations in biological systems.

**CHEM 4050 INTRO FOURTRANS NMR SPECTRO 2.0**

Introduction to FourierTransform NMR Spectroscopy. Prerequisites: demonstrated research need and approval of the department chair. Introduction to techniques of FourierTransform Nuclear Magnetic Resonance Spectroscopy.

**CHEM 4100 CHEMICAL LITERATURE 3.0**

Chemical Literature. Prerequisites: Chem 3110 with grade of C or higher, or equivalent, and consent of instructor. Introduction to the chemical literature. Emphasis on literature searching via database services.

**CHEM 4110 PHYSICAL CHEMISTRY I 3.0**

Physical Chemistry I. Prerequisites: Chem 1212K and Phys 2212K with grade of C or higher, and Math 2212 with grade of D or higher. Three lecture hours a week. Principles of thermodynamics, transport and kinetics and how they serve as a basis for interpreting and interrelating the properties of matter.

**CHEM 4111 PHYSICAL CHEMISTRY PROBLEMS I 2.0**

Physical Chemistry Problems I. Corequisite: concurrent registration in Chem 4110. Two lecture hours per week. This course is designed to assist students in acquiring problem solving skills in Physical Chemistry I. This course does not count toward graduation.

**CHEM 4120 PHYSICAL CHEMISTRY II 3.0**

Physical Chemistry II. Prerequisite: Chem 4110 with grade of C or higher. Principles of quantum and statistical mechanics, and how they serve as a basis for interpreting and interrelating the properties of matter.

**CHEM 4121 PHYSICAL CHEMISTRY PROBLEMS II 2.0**

Physical Chemistry Problems II. Corequisite: concurrent registration in Chem 4120. Two lecture hours per week. This course is

designed to assist students in acquiring problemsolving skills in Physical Chemistry II. This course does not count toward graduation.

**CHEM 4150 INTRO TO BIOPHYSICAL CHEMISTRY 3.0**

Introduction to Biophysical Chemistry. Prerequisite: Math 2215 with grade of D or higher, or equivalent. Thermodynamics, theories of solution, and principles of dynamics applied to biological systems. Not acceptable for credit toward a BS degree in Chemistry.

**CHEM 4160 CHEMISTRY LABORATORY IVA 2.0**

Chemistry Laboratory IVA. Prerequisites: Chem 4000 and Chem 4110 with grades of C or higher, or equivalent, and prior selection of special problems. Concurrent enrollment in Chem 4160 and 4170 is not allowed. Laboratory to be arranged. Advanced laboratory problems; independent research.

**CHEM 4170 CHEMISTRY LABORATORY IVB 4.0**

Chemical Laboratory IVB. Prerequisites: Chem 4000 and Chem 4110 with grades of C or higher, and prior selection of special problems. Concurrent enrollment in Chem 4160 and 4170 is not allowed. Laboratory to be arranged. Advanced laboratory problems; independent research.

**CHEM 4190 INSTR MTHDS III: SPECTROSCOPY 3.0**

Instrumental Methods III: Spectroscopy. Prerequisites: Chem 4000 and 4120 with grades of C or higher. Two lecture and three laboratory hours a week. Modern spectroscopic techniques and their application to chemical problems, with the results of quantum mechanics used as a guide in the analysis of spectra.

**CHEM 4210 INORGANIC CHEMISTRY 3.0**

Inorganic Chemistry. Prerequisite: Chem 4120 with grade of C or higher. Periodic relationship of the elements and their compounds, including those less commonly encountered. Bonding, reaction and mechanisms, complexes, and stereochemistry are among the topics discussed.

**CHEM 4220 BIOMETALLOCHEMISTRY 3.0**

Biometallochemistry. Prerequisites: one year of organic chemistry (Chem 3410) and one semester of biochemistry (Chem 4600) with grades of C or higher. An exploration of the structural and functional use of metals in biological systems including metalloproteins and metallocomplex interaction with nucleic acids. (This course cannot substitute for Chem 4210.)

**CHEM 4330 ADVANCED SYNTHESIS 3.0**

Advanced Synthesis. Prerequisites: one year of organic chemistry (Chem 3410) with laboratory (Chem 3110) with grades of C or higher. Two lecture and four laboratory hours a week. Synthesis and characterization of inorganic and organic compounds by modern methodology.

**CHEM 4370 POLYMER CHEMISTRY 3.0**

Polymer Chemistry. Prerequisites: Chem 3410 and 4110 with grades of C or higher, or equivalent. Introduction to polymer synthesis, properties, and characterization. Topics include: reaction mechanisms, molecular weight determination, thermodynamics and chain statistics, rubber elasticity, and transport properties of dilute polymer solutions.

**CHEM 4400 MECHANISTIC ORGANIC CHEMISTRY 3.0**

Mechanistic Organic Chemistry. Prerequisite: one year of organic chemistry (Chem 3410) with grade of C or higher. Experimental approaches to determining the mechanisms of chemical reactions in organic chemistry.

**CHEM 4410 BIOORGANIC CHEMISTRY 3.0**

Bioorganic Chemistry. Prerequisite: one year of organic chemistry (Chem 3410) or a course in biochemistry with grade of C or

higher. Strategies for designing pharmaceutical agents to inhibit enzymes. This is a writing intensive course.

**CHEM 4420 DRUG DISCOVERY 3.0**

Drug Discovery: Theory and Practice. Prerequisites: Chem 2400 and Chem 3410 with grades of C or higher, or consent of the instructor. Three lecture hours a week. Study of the principles of drug design, drug design methods, and tools commonly used in the pharmaceutical industry, and general strategies and common pitfalls in drug discovery.

**CHEM 4450 MOLECULAR MODELING METHODS 3.0**

Molecular Modeling Methods. Prerequisites: Chem 3410 and Chem 4110 with grades of C or higher, or equivalent coursework, and consent of instructor. Molecular mechanics/dynamics methods to solve structural problems in organic, bioorganic, and biophysical chemistry. May be repeated if topics are different.

**CHEM 4490 SPEC TOPICS IN ORGANIC CHEM 3.0**

Special Topics in Organic Chemistry. Prerequisite: Chem 3410 with grade of C or higher, or equivalent. Advanced topics in organic chemistry as may fit the needs and interests of the students and faculty. Such topics might be stereoisomerism, heterocycles, alkaloids, organic mechanisms, and structureactivity relationships. May be repeated if topics are different.

**CHEM 4590 SPEC TOPICS IN PHYSICAL CHEM 3.0**

Special Topics in Physical Chemistry. Prerequisite: Chem 4120 with grade of C or higher, or equivalent. Advanced topics in physical chemistry as may fit the needs and interests of the students and faculty. Such topics might be chemical kinetics, statistical mechanics, quantum mechanics, molecular spectra, phase equilibrium. May be repeated if topics are different.

**CHEM 4600 BIOCHEMISTRY I 5.0**

Biochemistry I. Prerequisite: Chem 3410 with grade of C or higher. Five lecture hours a week. Introduction to biochemical phenomena: proteins, enzymes, vitamins, carbohydrates, lipids, nucleic acids, DNA, RNA, and metabolism.

**CHEM 4610 BIOCHEMISTRY II 3.0**

Biochemistry II. Prerequisite: Chem 4600 with grade of C or higher. Three lecture hours a week. In-depth coverage of biochemical phenomena: proteins, enzymes, vitamins, carbohydrates, lipids, nucleic acids, DNA, RNA, and metabolism.

**CHEM 4620 BIOCHEMISTRY LAB I 2.0**

Biochemistry Laboratory I. Prerequisites: Chem 3110 with grade of C or higher and concurrent registration in Chem 4600. One lecture and four laboratory hours a week. Modern analytical techniques applied to solving biochemical problems.

**CHEM 4630 ENZYMOLOGY 3.0**

Enzymology. Prerequisites: one year of organic chemistry (Chem 3410) and one semester of biochemistry (Chem 4600) with grades of C or higher. (Same as Biol 4630.) Introduction to enzyme catalysis, with emphasis on the general concepts of enzyme kinetics and the common tools for studying enzymes.

**CHEM 4640 FUNDAMENTALS OF BIOINFORMATICS 4.0**

Fundamentals of Bioinformatics. Prerequisite: Biol 3800 with grade of C or higher, or written approval of instructor. (Same as Biol 4640 and CSc 4640.) Four lecture hours per week. A "hands-on" approach to bioinformatics using PCs, the internet, and computer graphics to analyze, correlate, and extract information from biological databases, emphasizing sequence and structure databases for proteins and nucleic acids, and introducing the computing skills necessary for bioinformatics. Topics include: sequences and three-dimensional structures of proteins and nucleic acids, the major databases, algorithms for sequence comparison, data mining, and prediction of structure and function.



**CHEM 4740 STATISTICAL MECHANICS 3.0**

Statistical Mechanics. Prerequisites: Chem 4110 and Chem 4120 with grades of C or higher or equivalent; instructor approval required. Three lecture hours a week. Introduction to statistical mechanics and the theory of ideal and nonideal gases, liquids, and solids.

**CHEM 4780 BIOMOLECULAR SIMULATIONS 3.0**

Biomolecular Simulations. Prerequisites: Chem 3410 and Chem 4120 or equivalents with grades of C or higher, or consent of instructor. (Same as Chem 4780.) This is an introductory self-contained course on the application of molecular dynamics and related methodologies by which student with a relatively limited background in chemistry, biology, and computer literacy can learn the fundamentals of research in these areas. In this course, students will learn to do computer calculations that quantify biomolecular interaction concepts discussed in lectures in biology, biochemistry, and biophysics.

**CHEM 4800 ADVANCED ANALYTICAL CHEM 3.0**

Advanced Analytical Chemistry. Corequisite: Chem 4110. Advanced theories and methods of analytical chemistry. May be repeated if topics are different.

**CHEM 4820 ANALYTICAL LABORATORY 2.0**

Analytical Laboratory. Prerequisite: Chem 4000 with grade of C or higher, or equivalent. One lecture and three laboratory hours a week. Fundamental principles of analytical chemistry as they apply to modern analytical problems.

**CHEM 4840 BIOENERGETICS 3.0**

Bioenergetics. Prerequisite: Chem 4000 with grade of C or higher, or equivalent. (Same as Biol 4284.) Two lecture hours and three laboratory hours a week. Principles and experimental methods appropriate to energy transduction in a variety of biological systems.

**CHEM 4850 BIOANALYTICAL CHEMISTRY I 3.0**

Bioanalytical Chemistry I. Prerequisites: Chem 4000 and 4190 with grades of C or higher, or equivalent, or consent of instructor. Basic concepts of analytical chemistry as applied to biologically oriented problems.

**CHEM 4860 BIOANALYTICAL CHEMISTRY II 3.0**

Bioanalytical Chemistry II. Prerequisite: Chem 4850 with grade of C or higher, or consent of instructor. Basic principles underlying instrumentation, automation, and laboratory computers used in solving bioanalysis problems.

**CHEM 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**CHEM 4871 ELECTROCHEMICAL METHODS 3.0**

Electrochemical Methods. Prerequisite: Chem 4110 with grade of C or higher, or equivalent. Three lecture hours a week. Fundamentals of electrochemistry and application to chemical problems. Special emphasis on electrode reaction mechanisms and interpretation of electrochemical results for organic, inorganic, and biological systems.

**CHEM 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**CHEM 4900 ADVANCED RESEARCH METHODS 2.0**

Advanced Research Methods. Concurrent enrollment in Chem 4160, Chem 4170, Chem 4870, Chem 4880, or Chem 4950

required. Two lecture hours a week. Student learning of interdisciplinary experimental strategies and laboratory procedures in chemistry.

**CHEM 4920 ELEMENTARY SCIENCE ED PARTNERS 2.0**

Elementary Science Education Partners. Prerequisites: junior or senior majoring in natural sciences and consent of ESEP coordinator. Demonstrating hands-on science in the public elementary school classroom. May be repeated for a maximum of six hours.

**CHEM 4940 SEMINAR IN CHEMISTRY 1.0**

Seminar in Chemistry. Prerequisite: consent of department. Discussion of current research areas in chemistry.

**CHEM 4950 CHEMICAL RESEARCH 1.0 to 5.0**

Chemical Research. Prerequisite: prior approval of a written program or the proposed work. No more than five credit hours. It is normally assumed that this research will span more than one semester.

**CHIN = CHINESE****CHIN 1001 ELEMENTARY CHINESE I 3.0**

Elementary Chinese I. Development of basic communication skills in modern spoken Mandarin Chinese. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Chinese.

**CHIN 1002 ELEMENTARY CHINESE II 3.0**

Elementary Chinese II. Prerequisite: Chin 1001 with grade of C or higher, or equivalent. Development of basic communication skills in modern spoken Mandarin Chinese. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Chinese.

**CHIN 2001 INTERMEDIATE CHINESE I 3.0**

Intermediate Chinese I. Prerequisite: Chin 1002 with grade of C or higher, or equivalent. Continuing development of communicative skills in Mandarin Chinese. Further work with the writing system; reading of simple texts; and intermediate grammatical structures.

**CHIN 2002 INTERMEDIATE CHINESE II 3.0**

Intermediate Chinese II. Prerequisite: Chin 2001 with grade of C or higher, or equivalent. Continuing development of communicative skills in Mandarin Chinese. Further work with the writing system; reading of simple texts; and intermediate grammatical structures.

**CHIN 3395 STUDY ABROAD 3.0**

Study Abroad. (Appropriate placement is done at the foreign university). Chinese language and culture in a native environment. Designed specifically for those students participating in the University System of Georgia Study Abroad Programs.

**CHIN 3396 STUDY ABROAD 3.0**

Study Abroad. (Appropriate placement is done at the foreign university). Chinese language and culture in a native environment. Designed specifically for those students participating in the University System of Georgia Study Abroad Programs.

**CHIN 3397 STUDY ABROAD 3.0**

Study Abroad. (Appropriate placement is done at the foreign university). Chinese language and culture in a native environment. Designed specifically for those students participating in the University System of Georgia Study Abroad Programs.

## CIS = COMPUTER INFORMATION SYSTEMS

### **CIS 1010 EFFECTIVENESS TECHNOLOGY 3.0**

Using Technology for Personal Effectiveness and Collaboration. This course introduces principles for designing a technology environment to enable personal effectiveness and collaboration. Techniques for specifying requirements, identifying alternatives, and making decisions will be demonstrated by evaluating currently available technologies.

### **CIS 2010 INTRO COMPBASD INFO SYS 3.0**

Introduction to Computerbased Information Systems. Prerequisite: none. CSP: 1. This course provides an introduction to computer and information systems concepts, including hardware, software, databases, data communications, and business applications. The student is introduced to methods of determining user requirements and developing application systems using databases and fourthgeneration languages.

### **CIS 3210 END USER APPL PROGRAMMING 3.0**

End User Applications Programming. Prerequisite: CIS 2010. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 4, 7. This course provides an introduction to the assisting of end users of computer systems in developing their own special purpose applications. The emphasis in the course is on acquiring programming skills in one fourthgeneration language and one interactive thirdgeneration language. These skills are required in order to develop the technical capability to assist end users. Topics covered include end user computing versus traditional systems development; Rapid Application Development; Prototyping; Fundamentals of the Paradox Application Language (PAL); Fundamentals of the Visual Basic Programming Language.

### **CIS 3215 INTERMED VISUAL PROG 3.0**

Intermediate Visual Programming. Prerequisite: CIS 3210. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7, 8. This course builds upon the skills and knowledge developed in CIS 3210. Emphasis is placed upon development in a visual environment. Major topics include objectoriented concepts, database linkages, graphics, and developing applications for the Internet. User interface design, code optimization and help file creation are covered. Students use stateoftheart development tools and design methods to implement applications that run on a standalone PC, a network, and the Internet.

### **CIS 3260 INTRO TO PROG IN C/C++ 3.0**

Introduction to Programming in C/C++. Prerequisite: CIS 2010. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 4, 7. This course provides an introduction to structured programming using the C and C++ languages. Emphasis is placed upon the development of correct, efficient programs that are easy to maintain. Topics include problem analysis, program design, documentation, testing and debugging. Basic features of the C and C++ programming languages such as data types, control structures, functions, arrays, pointers, and strings are covered. Transfer credit is not granted for this course.

### **CIS 3270 INTERNET PROGRAM W/JAVA 3.0**

Internet Programming with Java. Prerequisite: CIS 3260. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7, 8. This course builds upon the student's foundation of programming principles through the introduction of an Internet programming language such as JAVA. Major areas covered include operating system dependent versus operating system independent Internet applications. Focus is on objectoriented programming as it relates to the Internet, as well as on best coding practices associated with the Internet programming language. Students implement a basic applet and develop a working prototype of an Internet program.

### **CIS 3280 OBJECTORIENTED PROG IN C++ 3.0**

ObjectOriented Programming in C++. Prerequisite: CIS 3260. Requires a 2.9 GSU GPA and 45 semester hours. CSP: 1, 4, 7. This course introduces the objectoriented approach to problem solving, program design, coding, and testing using the C++ programming language. Emphasis is placed upon developing software from reusable components. Topics covered include objectoriented analysis and design, encapsulation, inheritance, and polymorphism.

### **CIS 3300 SYSTEMS ANALYSIS 3.0**

Systems Analysis. Prerequisite: CIS 2010 or permission of instructor. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 4, 7. This course provides an introduction to the analysis and logical design of computerbased information systems. Emphasis is placed upon the development of requirements specifications that serve the business needs of the organization and provide the necessary base for subsequent systems development. Both dataoriented and process oriented approaches are covered.

### **CIS 3310 SYSTEMS DESIGN 3.0**

Systems Design. Prerequisite: CIS 3300 and CIS 3270 or CIS 3215, Bcom 3950. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1. This course builds upon the skills and knowledge developed in CIS 3300. Emphasis is placed upon the design and development of information systems, including the software and databases that are needed to support the business needs of the organization. Objectoriented design and the transition to objectoriented programming are covered. These methods are discussed in the context of managing a systems development project, including issues such as project estimation and project management techniques, software quality assurance, and configuration management.

### **CIS 3320 TELECOMM FOR BUSINESS 3.0**

Telecommunications for Business. Prerequisite: CIS 2010. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 4, 7. This course introduces the subject of computer networks and the use of computer networks in business applications. Topics covered include clientserver networks, network hardware and software, distributed computing, key issues in network management, and the fundamentals of data communications.

### **CIS 3730 DATABASE MANAGEMENT SYS 3.0**

Database Management Systems. Prerequisite: CIS 2010. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 4, 7. This course provides an introduction to the management of database systems. Major emphasis is placed on understanding the various database management functions and providing database support for the organization. Topics include types of data models and database management systems, data definition and manipulation, administration of database systems, and the management of databases, including database security, error recovery, concurrency control, and distributed database systems.

### **CIS 4320 ADVANCES IN NETWORKING 3.0**

Advances in Networking. Prerequisite: CIS 3320. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7, 8. This course builds upon the skills and knowledge developed in CIS 3320. Emphasis is placed on the highspeed computer and telecommunications networks. The course includes both wireline and wireless technologies for designing, implementing, managing, and using broadband networks. Major topics include communications media, switching, and networking requirements of broadband networks, design of broadband networks, regulatory and management issues, and application of broadband networks.

### **CIS 4389 DIR READ IN INFO SYSTEMS 1.0 to 3.0**

Directed Readings in Information Systems. Prerequisite: consent of instructor.

**CIS 4420 KNOWLEDGE SYSTEMS 3.0**

Knowledge Systems. Prerequisite: CIS 3260. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7, 8. This course covers the development and use of knowledge intensive systems in business applications. Techniques to support knowledgeintensive business processes and exploit the vast amount of data available, especially in the Internet age, are explored. Students are exposed to several knowledgebased development environments for the construction of knowledgeintensive applications. Several knowledgeintensive systems are studied for insight into their motivation, construction, and use.

**CIS 4620 MGMT OF INFORMATION SERVICES 3.0**

Management of Information Services. Prerequisite: None. CSP: 1,2,3,4,5,6,7. Requires a 2.5 GSU GPA and 45 semester hours. This course addresses the many management issues unique to the information services function within organizations. Coverage includes information systems planning, Managing the information system infrastructure, justifying the information technology investments, the costing of services and networks, evaluating information system performance, alter native information system delivery modes, managing distributed and enduser computing project and operations management, systems security, and the management of information system professionals.

**CIS 4680 INTRO TO INFOSEC 3.0**

Introduction to Information Security and Privacy Prerequisites: Cis 2010 or instructor consent. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to develop knowledge and skills for security of information and information systems within organizations. It focuses on concepts and methods associated with security across several systems platforms, including internal and internetfacing networks. The course overviews critical infrastructure concepts as well as techniques for assessing risk associated with accidental and intentional breaches of security. It introduces the associated issues of ethical uses of information and privacy considerations.

**CIS 4850 SOFTWARE DEVELOP ENVIR 3.0**

Software Development Environments. Prerequisite: varies depending on topic. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 7. This course provides an opportunity for the student to gain experience with one of several widely used software development platforms. A "software development platform" typically includes a programming language, a database system, and an operating system. The specific platform covered will vary from semester to semester as will the associated course prerequisites.

**CIS 4970 FIELD STUDY IN CIS 3.0**

Field Study in Computer Information Systems. Prerequisite: Senior class standing. CSP: 1,2,3,4,5,6,7. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to provide the seniorlevel student an opportunity to assist with the planning and implementation of computing technologies in an approved oncampus site. Students may perform information systems trainer/consultant and/or enduser support duties. Students will meet periodically with a mentoring instructor to discuss problems and issues relevant to the area of implementing computer information systems. Compensation may or may not be granted for the internship/practicum.

**CIS 4980 SYSTEM DEVELOPMENT PROJ 3.0**

System Development Projects. Prerequisite: Math 1070, Mgs 3100, Fi 3300, Mgs 3400, Mk 3010; all required CIS 3000level courses. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2, 3, 4, 5, 6, 7, 8. This course provides the student with an opportunity to apply the knowledge and skills acquired in the core courses to larger and more complex problems and to gain experience in working as part of a team. This course is available only to

BBACIS majors at Georgia State University. It requires students to meet with clients during normal business hours.

**CLAS = CLASSICAL STUDIES****CLAS 2201 GREEK DRAMA 3.0**

Greek Drama. May be repeated for credit if topic varies. Topics in Greek drama, e.g., tragedy by Aeschylus, Sophocles, and Euripides or comedy by Aristophanes and Menander.

**CLAS 2202 CLASSICAL EPIC 3.0**

Classical Epic. Iliad and Odyssey of Homer; Epic of Gilgamesh.

**CLAS 2203 GREEK & ROMAN MYTHOLOGY 3.0**

Greek and Roman Mythology. Classical mythology and its relation to literature and art.

**CPS = COUNSELING & PSYCH SERVICES****CPS 2500 CAREER DEVELOP & LIFE PLANNING 3.0**

Career Development and Life Planning. The purpose of this course is to help students learn how to manage their career development and life planning, based on relevant theories, practice, and trends in economic, technology, and labor market development. Students obtain skills for career decision making and life planning, and adapting to the rapidly changing world of work. The goal is to facilitate personal fulfillment and satisfying interpersonal relationships through career and life planning, with special attention to multicultural issues in the world of work.

**CRJU = CRIMINAL JUSTICE****CRJU 1100 INTRO TO CRIMINAL JUSTICE 3.0**

Introduction to Criminal Justice FOR CRIMINAL JUSTICE MAJORS ONLY. An introduction to the crime control system used in the U.S. the police, courts and corrections.

**CRJU 2200 SOC SCI & AM CRIM PROBLEM 3.0**

Social Science and the American Crime Problem A broad theoretical and empirical overview of the American crime problem. Exploring crime from a social science perspective, the course develops a survey understanding of how the patterned influence of social institutions (family, government, schools), subcultures, and the psychology of everyday life come together to shape how society defines, organizes, and responds to crime.

**CRJU 3020 RESEARCH METHODS IN CJ 3.0**

Research Methods in Criminal Justice. Requires a 2.0 GSU GPA. A survey of different research efforts and results in the field of criminal justice.

**CRJU 3030 CRIMINAL JUSTICE PLANNING 3.0**

Criminal Justice Planning. Requires a 2.0 GSU GPA. A study of the techniques and policies of short and longrange comprehensive planning in criminal justice.

**CRJU 3070 RACE AND THE CJ SYSTEM 3.0**

Race and the Criminal Justice System. Requires a 2.0 GSU GPA. An examination of the relationship between race and the criminal justice system.

**CRJU 3100 INTRO TO CRIMINAL JUSTICE 3.0**

Introduction to Criminal Justice FOR NONCRIMINAL JUSTICE MAJORS ONLY. Requires a 2.0 GSU GPA. An introduction to the crime control system used in the U.S. the police, courts, and corrections.

**CRJU 3110 AMERICAN POLICE SYSTEM 3.0**

American Police System. Requires a 2.0 GSU GPA. An introductory overview of the history, role, organization, and problems in public law enforcement in the U.S.

**CRJU 3210 JUVENILE DELINQUENCY 3.0**

Juvenile Delinquency. Requires a 2.0 GSU GPA. An introduction to definition, measurement, extent, and etiology of juvenile delinquency and adult crime. Major focus of the course will address our understanding of the individual, social, and environmental factors that contribute to crime and delinquency.

**CRJU 3310 CORRECTIONS 3.0**

Corrections. Requires a 2.0 GSU GPA. An introduction to the correctional process and interventions designed to prevent and control adult criminal behavior. The course will address the philosophy and goals underlying correctional interventions, types of criminal sentencing, and penal sanctions including community-based corrections, institutional corrections, and parole.

**CRJU 3350 CORRECTIONAL INST SYSTEMS 3.0**

Correctional Institutional Systems. Requires a 2.0 GSU GPA. A survey of the history and present status of correctional procedures and the administration of correctional institutions.

**CRJU 3410 CRIMINOLOGY 3.0**

Criminology. Requires a 2.0 GSU GPA. A survey of criminological theory and practice, the nature and causation of crime, and the etiology and nature of criminal offenses and offenders.

**CRJU 3610 CRIM JUSTICE STATISTICS 3.0**

Criminal Justice Statistics. Requires a 2.0 GSU GPA. An introduction to the use of statistical tools for answering criminal justice research questions. Topics include the concepts and procedures related to data collection, measurement, hypothesis testing, probability, and measures of dispersion and central tendency.

**CRJU 3700 JUDICIAL SYSTEM 3.0**

Judicial System. Requires a 2.0 GSU GPA. An overview of the judicial component of the criminal justice system which focuses on the structure, role, jurisdiction, and operation of courts and the courtroom work group in the adjudicatory and appellate process at the local, state, and federal levels.

**CRJU 3710 LEGAL ISSUES IN LAW ENFORCEMENT 3.0**

Legal Issues in Law Enforcement. Requires a 2.0 GSU GPA. An introductory overview of constitutional and nonconstitutional issues raised in law enforcement, crime prevention, and criminal investigation.

**CRJU 4010 GENDER IN CRIMINAL JUSTICE 3.0**

Gender in Criminal Justice. Requires a 2.0 GSU GPA. An examination of gender issues and the role they play in various aspects of the criminal justice system: policing, courts, and corrections.

**CRJU 4030 ORIGINS OF CJ 3.0**

Origins of Criminal Justice. Requires a 2.0 GSU GPA. A review of the origins and major historical developments of police, courts, criminal law, corrections, and juvenile justice.

**CRJU 4040 COMP CRIM JUSTICE SYSTEMS 3.0**

Comparative Criminal Justice Systems. Requires a 2.0 GSU GPA. An analysis of the criminal justice systems police, courts, and corrections in selected eastern and western nations.

**CRJU 4060 ETHICS IN CRIM JUSTICE 3.0**

Ethics in Criminal Justice. Requires a 2.0 GSU GPA. Discusses the philosophical theories underlying ethics and how they relate to the police, courts, corrections, law, criminal justice research, and the principles of justice.

**CRJU 4070 FAMILY VIOLENCE & CJ 3.0**

Family Violence and Criminal Justice. Requires a 2.0 GSU GPA. Examines how the justice system responds to family violence.

**CRJU 4080 CRIME AND THE MEDIA 3.0**

Crime and the Media. Requires a 2.0 GSU GPA. This class explores the nature of media messages concerning crime and how media images impact both individual attitudes and public policy. Particular attention will focus on how race and gender are treated in the media. This course integrates readings, theory, media excerpts, and classroom discussions to investigate crime in the media.

**CRJU 4110 PRIN OF INVESTIGATION 3.0**

Principles of Investigation. Requires a 2.0 GSU GPA. An overview of the criminal investigative process from its inception to culmination including interviewing and investigative techniques and the contributions of forensic sciences to our attempts to solve crime.

**CRJU 4210 JUVENILE JUSTICE SYSTEM 3.0**

Juvenile Justice System. Requires a 2.0 GSU GPA. Examination of the procedural and substantive aspects of the juvenile justice system, including the legal, organizational and political responses to youth and crimes committed by youth.

**CRJU 4230 PREV & STRAT FOR JUV OFF 3.0**

Prevention and Correctional Strategies for Juvenile Offenders. Requires a 2.0 GSU GPA. Examination of the philosophy and practical application of prevention and correctional programs designed to prevent or control delinquent and other high-risk behaviors committed by youth.

**CRJU 4350 CORRECTIONAL ALTERNATIVES 3.0**

Correctional Alternatives. Requires a 2.0 GSU GPA. Examination of the history and current status of alternatives to institutional correctional programs for adults including diversion, fines, community service, house arrest, probation, electronic monitoring, halfway houses, temporary release programs, and various treatment programs.

**CRJU 4360 COUN & SUPVIS OFFENDERS 3.0**

Counseling and Supervising Offenders. Requires a 2.0 GSU GPA. An introduction to the techniques and practices of supervision and counseling theory in correctional settings for the beginning and practicing correctional worker.

**CRJU 4410 ADVANCED CRIMINOLOGY 3.0**

Advanced Criminology. Prerequisite: CrJu 3410 Requires a 2.0 GSU GPA. An introduction to the logic of causation and its application to the scientific study of the etiology of crime.

**CRJU 4420 CRIME TYPOLOGIES 3.0**

Crime Typologies. Requires a 2.0 GSU GPA. An examination of the typological systems used in criminal justice and criminology for classifying adult and juvenile offenders, victims, offenses, organizations, and criminal justice personnel on a wide range of physical, social, legal, and psychological attributes.

**CRJU 4430 CRIME AT WORK 3.0**

Crime at Work. Requires a 2.0 GSU GPA. An introduction to the various forms of crime and deviance that occur in the workplace. Consideration is given to the ways that organizational structures, work group socialization processes, and individual-level factors facilitate or enable the incidence and prevalence of employee crime occurring in the public, medical, and criminal justice sectors.

**CRJU 4500 CRIM JUSTICE MANAGEMENT 3.0**

Criminal Justice Management. Requires a 2.0 GSU GPA. Introduction to management theory, practice, and policy. It includes a



review of traditional schools of organizational theory, including bureaucracy, scientific management, human relations, and the behavioral approach with particular emphasis on how each applies to criminal justice agencies.

**CRJU 4710 LEG ISSUES IN CORRECTIONS 3.0**

Legal Issues in Corrections. Requires a 2.0 GSU GPA. An analysis of major substantive issues in the field of criminal law affecting sentencing, postconviction remedies, and institutional and communitybased corrections.

**CRJU 4760 ADJUD OF CRIM CASES 3.0**

Adjudication of Criminal Cases. Requires a 2.0 GSU GPA. Prerequisite: CrJu 3700. An examination of constitutional and nonconstitutional issues raised in prosecutorial and defense actions during pretrial and trial stages of the criminal justice process.

**CRJU 4770 LEG LIAB OF CJ PERSONNEL 3.0**

Legal Liabilities of Criminal Justice Personnel. Requires a 2.0 GSU GPA. An introduction and description of the legal liabilities of criminal justice personnel in the United States.

**CRJU 4780 CRIMINAL LAW 3.0**

Through an examination of the modern criminal code, Requires a 2.0 GSU GPA. this course considers the criteria employed to determine actions that are criminal. It examines the elements of a crime; it explores basic concepts like actus reus, attempts, mens rea, and intent; and it provides a comprehensive evaluation of various legal defenses.

**CRJU 4900 SELECTED TOPICS IN CJ 3.0**

Selected Topics in Criminal Justice. Requires a 2.0 GSU GPA. A course of intensive study on current behavioral or administrative criminal justice problems or recent interventions in criminal justice. Examples of topics include interpersonal violence, information technology, drug law, data analysis, private security, or capital punishment. May be repeated for credit when topics vary.

**CRJU 4910 SELECTED LEGAL ISSUES IN CJ 3.0**

Selected Legal Issues in Criminal Justice. Requires a 2.0 GSU GPA. A consideration of selected legal topics arising in the criminal justice system.

**CRJU 4920 COMMUNITY POLICING 3.0**

Community Policing. Requires a 2.0 GSU GPA. An indepth examination of community policing as a social control mechanism in various nations and its future role in policing.

**CRJU 4930 INTERNSHIP SEMINAR IN CJ 3.0**

Internship Seminar in Criminal Justice. Corequisite: CRJU 4940. Requires a 2.0 GSU GPA. Focus is on the integration and application of knowledge from criminal justice core and related courses to the student's internship or work experience. Students who are registering for CrJu 4930 must simultaneously register for for CrJu 4940.

**CRJU 4940 CRIM JUST FIELD INSTRUC 3.0**

Criminal Justice Field Instruction. Corequisite: CrJu 4930. Requires a 2.0 GSU GPA. (For Criminal Justice majors only.) Designed to provide the student with the opportunity to integrate theory and practice, utilize knowledge, and confront contradictions between the conceptual and the real world. Application must be made by the appropriate deadline (January 15 for summer semester; March 15 for fall semester; September 15 for spring semester). Students who are registering for CrJu 4940 must simultaneously register for CrJu 4930.

**CRJU 4960 DOMESTIC TERRORISM 3.0**

Domestic Terrorism. Requires a 2.0 GSU GPA. An exploration into the theoretical underpinnings, groups, and control of domestic terrorism in general and domestic terrorism extremism in particular.

**CRJU 4990 READINGS IN CRIM JUSTICE 1.0 to 3.0**

Readings in Criminal Justice. Prerequisite: Consent of instructor. Requires a 2.0 GSU GPA. Permits selected qualified students to pursue an approved topic through independent study under the direction of a faculty member.

## CSC = COMPUTER SCIENCE

**CSC 1010 COMPUTERS & APPLICATIONS 3.0**

Computers and Applications. Prerequisite: high school Algebra II. History of computers, hardware components, operating systems, application software, data communication.

**CSC 1310 INTRO COMP PROGRAMMING NONMAJ 3.0**

Introduction to Computer Programming for NonMajors. This class introduces students with no previous experience to computer programming. The class emphasizes design principles (e.g., pseudocode, stepwise refinement, object oriented design) as well as the syntax and semantics of Perl Scripting. This class is for nonmajors interested in obtaining some fundamental computer programming skills. Topics include: Input/output, variables and data types, expressions and operators, regular expressions, conditional statements, iteration statements, design I (pseudocode), object model, design II (stepwise refinement), functions, arrays, and files.

**CSC 2010 INTRO TO COMPUTER SCIENCE 3.0**

Introduction to Computer Science. A first introduction to the discipline of computer science. Topics include algorithmic foundations, hardware concepts, virtual machine concepts, software systems, applications, and social issues.

**CSC 2301 INTRO COMP PROG: FORTRAN 3.0**

Introduction to Computer Programming: FORTRAN. Prerequisite: Math 2211 with grade of C or higher. Corequisite: Math 2212. Fundamental elements of problem solving using the FORTRAN language. Organization of algorithms, control, variable types, loops, input/output. Emphasis on structure and clarity as well as correctness.

**CSC 2310 PRIN OF COMP PROGRAM I 3.0**

Principles of Computer Programming I. Prerequisite: CSc 2010 with grade of C or higher. Fundamental principles of computer programming. Expressions, procedures, variable types, data, input/output. Emphasis on structure and clarity as well as correctness.

**CSC 2311 PRIN OF COMP PROGRAM II 3.0**

Principles of Computer Programming II. Prerequisite: CSc 2310 with grade of C or higher. Continuation of fundamental principles of computer programming. Topics covered include searching, sorting, and merging. Emphasis on structure and clarity as well as correctness.

**CSC 2320 FUND OF WEBSITE DEVELOPMENT 3.0**

Fundamentals of Website Development. Prerequisite: familiarity with basic programming language concepts. This course provides a foundation for developing dynamic websites and web applications. The first part covers the frontend aspects of web development: creating, designing, and publishing content using HTML, CSS, and JavaScript. The second covers the backend aspects: using programming languages to generate, manipulate, and manage content (CGI, cookies, serverside scripting), and accessing a database using SQL for common website tasks (forms, user registration). While this course covers web development concepts that are applicable to most popular platforms, it is significantly hands on using the web application server Zope and the content management system Plone. A major component is a final project involving implementing a dynamic website.

**CSC 2510 THEOR FOUNDATIONS OF COMP SCI 3.0**

Theoretical Foundations of Computer Science. Prerequisite: CSc 2010 with grade C or higher. This course covers the basic theoretical foundations required to study various subdisciplines in computer science. Topics include: propositional and predicate logic with applications to logic programming, database querying, and program verification; induction and its application in proving correctness and termination of programs; recurrence relations, combinatorics, and graph theory with applications to analysis of algorithms; sets, relations, and functions and their applications in databases, functional programming, and automata.

**CSC 3010 HISTORY OF COMPUTING 3.0**

History of Computing. This course will survey the history of the computing field from antiquity to the present, focusing on the era of the electronic digital computer. Topics will include historical developments in hardware, software, and the theoretical foundations of computer science.

**CSC 3210 COMPUTER ORG & PROGRAMMING 3.0**

Computer Organization and Programming. Prerequisite: CSc 2310 with grade of C or higher. Minimum institutional GPA of 2.3 required. Computer structure and machine language, addressing techniques, macros, file I/O, program segmentation, and linkage.

**CSC 3320 SYSTEMLEVEL PROGRAMMING 3.0**

SystemLevel Programming. Prerequisite: CSc 2311 with grade of C or higher. Minimum institutional GPA of 2.3 required. An introduction to programming at the level of the operating system. Topics include editors, system calls, programming tools, files, processes, interprocess communication, and shells.

**CSC 3410 DATA STRUCTURES 3.0**

Data Structures. Prerequisites: CSc 2311, Math 2211 and Math 2420 with grades of C or higher. Minimum institutional GPA of 2.3 required. Basic concepts and analysis of data representation and associated algorithms, including linearlylinked lists, multilinked structures, trees, searching, and sorting.

**CSC 3610 INTRO TO MATLAB PROGRAMMING 3.0**

Introduction to Matlab Programming. This course is designed to give science majors experience with the Matlab programming language. Matlab is used for scientific applications involving images, sound, and other signals. No previous programming experience is needed.

**CSC 4110 EMBEDDED SYSTEMS 4.0**

Introduction to Embedded Systems Laboratory. Prerequisite: CSc 3210 for CSc students or Phys 3500 for Physics students with grade of C or higher. Minimum institutional GPA of 2.3 required. (Same as Phys 4110.) Four lecture hours per week. Topics taken from: review of basic logic functions; automatic systems; microprocessor based systems and applications; embedded system software survey; microprocessorbased applications; digital communications; and embedded systems programming.

**CSC 4210 COMPUTER ARCHITECTURE 4.0**

Computer Architecture. Prerequisite: CSc 3210 with grade of C or higher. Minimum institutional GPA of 2.3 required. Logic design, combinatorial and sequential circuits, input output devices, memory, processors, controllers, parallel architectures, bitslicing, reduced instruction sets.

**CSC 4220 COMPUTER NETWORKS 4.0**

Computer Networks. Prerequisites: CSc 3320 and Math 3030 with grades of C or higher. Minimum institutional GPA of 2.3 required. Introduction to computer networks; details of layered network protocols with emphasis on functionality and analysis. Principles of relevant stateoftheart network standards.

**CSC 4221 WIRELESS NET & MOBILE COMP 4.0**

Wireless Networks and Mobile Computing. Prerequisite: CSc 3410 with grade of C or higher, or consent of instructor. Minimum institutional GPA of 2.3 required. Introduction to wireless communication networks and mobile computing. Topics include: wireless communications technology; communication protocols in wireless networks; representative network types such as cellular wireless networks, wireless LANs, wireless ad hoc networks and wireless sensor networks, and mobile communication systems.

**CSC 4225 INTERNETWORK PROGRAMMING 4.0**

Internetwork Programming. Prerequisites: CSc 4220 with grade of C or higher. Minimum institutional GPA of 2.3 required. This course provides students with an understanding of the Internet and details regarding the protocols used in the Internet. The students will also learn key components of network programming using the most widelyused application program interface, sockets. Topics to be covered include: Internet Protocol (IP), Transport Layer Protocol Transmission Control Protocol (TCP), Transport Layer ProtocolUser Datagram Protocol (UDP), and Unix/Linux Network Programming.

**CSC 4230 VLSI DESIGN 4.0**

VLSI Design. Prerequisite: CSc 4210 with grade of C or higher. Minimum institutional GPA of 2.3 required. The basics of CMOS technology, circuit design, layout, and system design. Students will learn different design methodologies and algorithms of design synthesis, analysis, simulation and verification, principles of validation, and testing of manufactured chips. Important trends in modern design such as MCM (multichip modules) and FPGA (fieldprogramming gate arrays) technologies.

**CSC 4250 VLSI CAD & COMPUTER ARCH LAB 4.0**

VLSI CAD & Computer Architecture Laboratory. Prerequisite: CSc 4210 with grade of C or higher. Minimum institutional GPA of 2.3 required. Introduction to design techniques and tools to design largescale integrated circuits. The goals are to design and analyze digital integrated circuits in CMOS technology and to use modern computeraided design tools. The approach is to start students at the transistor level and then have them gradually build up to inverter and small logic circuits.

**CSC 4260 DIGITAL IMAGE PROCESSING 4.0**

Digital Image Processing. Prerequisite: CSc 3410 with grade of C or higher. Minimum institutional GPA of 2.3 required. Fundamentals of image processing, including image digitization, description, enhancement, segmentation, image transforms, filtering, restoration, coding, and retrieval. Concepts are illustrated by laboratory sessions in which these techniques are applied to practical situations, including examples from industrial and biomedical image processing.

**CSC 4270 INTRO DIGITAL SIGNAL PROCESS 4.0**

Introduction to Digital Signal Processing. Prerequisite: CSc 4210 with grade of C or higher. Minimum institutional GPA of 2.3 required. This course covers the nature of information, signals, transforms, and applications. Topics include analog to digital and digital to analog conversion, data storage (such as the audio format MP3), data transforms, and filters. Applications include noise reduction, signal analysis, volume control (e.g., audio signals), and compression. We will be using computer programs to handle mathematical modeling and calculations.

**CSC 4310 PARALLEL & DIST COMPUTING 4.0**

Parallel and Distributed Computing. Prerequisite: CSc 2311 with grade of C or higher. Minimum institutional GPA of 2.3 required. Introduction to various parallel and distributed computing paradigms, algorithms, architectures, programming environments, and tools. Hands on programming on both sharedmemory and messagepassing parallel architectures.



**CSC 4320 OPERATING SYSTEMS 4.0**

Operating Systems. Prerequisite: CSc 3320 with grade of C or higher. Minimum institutional GPA of 2.3 required. Introduction to operating systems concepts. Topics may include multiprogramming, resources allocation and management, and their implementation.

**CSC 4330 PROGRAMMING LANGUAGE CONCEPTS 4.0**

Programming Language Concepts. Prerequisites: CSc 2311 and 3210 with grades of C or higher. Minimum institutional GPA of 2.3 required. Fundamental programming language concepts, including syntax versus semantics, binding time, scopes, and storage management.

**CSC 4340 INTRODUCTION TO COMPILERS 4.0**

Introduction to Compilers. Prerequisite: CSc 4330 with grade of C or higher. Minimum institutional GPA of 2.3 required. Survey of topics related to compiler design, including parsing, table processing, code generation, and optimization.

**CSC 4350 SOFTWARE ENGINEERING 4.0**

Software Engineering. Prerequisite: CSc 3410 with grade of C or higher. Minimum institutional GPA of 2.3 required. Techniques used in large scale scientific or technical software development, including requirements analysis, specification, systems design, implementation, testing, validation, verification, and maintenance.

**CSC 4360 NETWORKORIENTED SOFTWARE DEV 4.0**

NetworkOriented Software Development. Prerequisite: CSc 3410 with grade of C or higher. Minimum institutional GPA of 2.3 required. Objectoriented design of networkoriented distributed applications. Review of middleware technologies used in building distributed systems by providing interoperability among applications running on multiple networks and platforms from embedded systems to servers. Programming in middleware using stateoftheart technologies.

**CSC 4370 WEB PROGRAMMING 4.0**

Web Programming. Prerequisites: CSc 2311 with grade of C or higher. Minimum institutional GPA of 2.3 required. The course introduces the student to programming techniques required to develop Web applications. Topics include: HTML forms, JavaScript, Servlets and Java Server Pages, PHP and MySQL, Web access to Oracle databases, and XML.

**CSC 4380 WINDOWING SYSTEMS PROGRAMMING 4.0**

Windowing Systems Programming. Prerequisites: CSc 2311 with grade of C or higher. Minimum institutional GPA of 2.3 required. Development of application software within windowed environments. Concepts of programming including graphical user interfaces, eventdriven architectures, and object oriented language programming with an application programming interface.

**CSC 4510 AUTOMATA 4.0**

Automata. Prerequisite: CSc 2311 with grade of C or higher. Minimum institutional GPA of 2.3 required. Theory of computing devices and the languages they recognize.

**CSC 4520 DESIGN & ANALYSIS: ALGORITHMS 4.0**

Design and Analysis of Algorithms. Prerequisite: CSc 3410 with grade of C or higher. Minimum institutional GPA of 2.3 required. Techniques for designing efficient algorithms; analysis of algorithms; lower bound arguments; algorithms for sorting, selection, graphs, and string matching.

**CSC 4540 INTRO TO BIOINFO ALGORITHMS 4.0**

Introduction to Bioinformatics Algorithms. Prerequisites: CSc 3410 with grade of C or higher. Minimum institutional GPA of 2.3 required. This course is an introduction to the computational algorithms driving current advances in bioinformatics. It is focused on fundamental algorithmic techniques in bioinformatics, including

exhaustive search, greedy, dynamic programming, graph theoretical, and combinatorial pattern matching algorithms. Applications will include restriction mapping, motif finding, pairwise sequence alignment, gene prediction, DNA sequencing, evolutionary trees, genome rearrangements.

**CSC 4610 NUMERICAL ANALYSIS I 3.0**

Numerical Analysis I. Prerequisites: Math 2215 with grade of C or higher and the ability to program in a highlevel language. Minimum institutional GPA of 2.3 required. (Same as Math 4610.) Nature of error; iteration; techniques for nonlinear systems; zeros of functions; interpolation; numerical differentiation; NewtonCotes formulae for definite integrals; computer implementation of algorithms.

**CSC 4620 NUMERICAL ANALYSIS II 3.0**

Numerical Analysis II. Prerequisite: Math 3030 or 3435 with grade of C or higher and the ability to program in a highlevel language. Minimum institutional GPA of 2.3 required. (Same as Math 4620.) Gaussian Elimination for linear systems; least squares; Taylor, predictorcorrector and RungeKutta methods for solving ordinary differential equations; boundary value problems; partial differential equations.

**CSC 4640 FUNDAMENTALS OF BIOINFORMATICS 4.0**

Fundamentals of Bioinformatics. Prerequisite: Biol 3800 with grade of C or higher or written approval of instructor. Minimum institutional GPA of 2.3 required. (Same as Biol 4640 and Chem 4640.) Four lecture hours per week. A "hands-on" approach to bioinformatics using PCs, the internet, and computer graphics to analyze, correlate, and extract information from biological databases, emphasizing sequence and structure databases for proteins and nucleic acids, and introducing the computing skills necessary for bioinformatics. Topics include: sequences and threedimensional structures of proteins and nucleic acids, the major databases, algorithms for sequence comparison, data mining, and prediction of structure and function.

**CSC 4710 DATABASE SYSTEMS 4.0**

Database Systems. Prerequisite: CSc 3410 with grade of C or higher. Minimum institutional GPA of 2.3 required. An introduction to the fundamental concepts and principles that underlie the relational model of data. Topics include formal query languages; SQL; query optimization; relational database design theory; physical database design, integrity, security, and concurrency control.

**CSC 4720 HUMANCOMPUTER INTERACTION 4.0**

HumanComputer Interaction. Prerequisite: CSc 2311 with grade of C or higher. Minimum institutional GPA of 2.3 required. Techniques and methodologies for development of user interfaces in software systems; topics include interaction styles, interaction devices, user documentation, and interface assessment.

**CSC 4730 SCIENTIFIC VISUALIZATION 4.0**

Scientific Visualization. Prerequisites: for computer science majors, CSc 2311 with grade of C or higher; for all other majors, consent of instructor. Minimum institutional GPA of 2.3 required. Use of sophisticated computer graphics techniques and software packages to display, transform, and analyze data; mapping concepts, glyphs, and grids; rendering techniques.

**CSC 4810 ARTIFICIAL INTELLIGENCE 4.0**

Artificial Intelligence. Prerequisites: CSc 3410 and 4330 with grades of C or higher. Minimum institutional GPA of 2.3 required. An overview of techniques and methodologies in the field of artificial intelligence. Topics may include search strategies, problem solving, natural language processing, logic and deduction, memory models, learning, expert systems, knowledge representation, and robotics.

**CSC 4820 COMPUTER GRAPHICS ALGORITHMS 4.0**

Computer Graphics Algorithms. Prerequisites: CSc 2311 and Math 3030 with grades of C or higher. Minimum institutional GPA of 2.3 required. Algorithms used for computer graphics programming. Windows, viewpoints, modeling transformations in two and three dimensions, viewing transformations, and hidden surface elimination. Graphics standards for hardware and software systems.

**CSC 4830 SYSTEM SIMULATION 4.0**

System Simulation. Prerequisites: CSc 2311 and Math 3030 with grades of C or higher. Minimum institutional GPA of 2.3 required. Concepts and methods for developing simulation models of discrete systems, including development of algorithms for program execution for statistical analyses of sample event sequences, for random number generation, and for computer sampling. Translation of models into highlevel language and a simulation language.

**CSC 4840 COMPUTER GRAPHICS IMAGING 3.0**

Computer Graphics Imaging. Prerequisite: consent of instructor. Minimum institutional GPA of 2.3 required. (Same as GrD 4840 and Film 4840.) Modeling techniques include lofting, extrusion, surfaces of revolution, constructive solid geometry, procedural modeling, metaballs, and others. Image synthesis techniques include scanline graphics, ray tracing, and radiosity. Also covered are antialiasing, surface mapping, shadowing, lighting, and other relevant topics.

**CSC 4841 COMPUTER ANIMATION 3.0**

Computer Animation. Prerequisite: CSc 4840 with grade of C or higher. Minimum institutional GPA of 2.3 required. (Same as GrD 4841 and Film 4841.) Threedimensional computer animation including classical animation techniques, cel animation, key framing, storyboarding, physically based modeling, character animation, lighting, camera placement and motion, motion blur, compositing, and other relevant topics.

**CSC 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Minimum institutional GPA of 2.3 required. Readings or research preparatory to honors thesis or project.

**CSC 4880 HONORS THESIS: WRITING 3.0**

Honors Thesis: Writing. Prerequisites: CSc 4870 and consent of the instructor and Honors Program director. Minimum institutional GPA of 2.3 required. Writing or production of honors thesis or project.

**CSC 4982 UNDERGRAD RESEARCH IN COMP SCI 3.0**

Undergraduate Research in Computer Science. Prerequisite: at least 12 upperdivision hours in computer science. Minimum institutional GPA of 2.3 required. Authorization required. Independent investigation of topics of common interest to student and instructor.

**CSC 4998 SELECTED TOPICS 1.0 to 3.0**

Selected Topics. Prerequisite: consent of instructor. No more than six credit hours may be applied toward the major. May be repeated if topics are different.

**DP = DRAWING AND PAINTING****DP 3020 LIFE DRAWING 3.0**

Life Drawing. Prerequisite: Art 1020 with grade of C or higher. Structure, composition, representation, and interpretation of the human figure.

**DP 3100 DRAWING & COMPOSITION 4.0**

Drawing and Composition. Prerequisites: Art 1020, 1030, and 1040 with grades of C or higher. Traditional as well as experimental investigations in drawing with primary emphasis on composition. May be repeated for a maximum of six credit hours.

**DP 3200 PAINTING W/ WATERBASED MEDIA 4.0**

Painting with WaterBased Media. Prerequisites: Art 1020, 1030, and 1040 with grades of C or higher. Technical and organizational concerns using waterbased media. May be repeated for a maximum of six credit hours.

**DP 3300 PAINTING: OILBASED MEDIA 4.0**

Painting with OilBased Media. Prerequisite: Art 1020, 1030, and 1040 with grades of C or higher. Technical and organizational concerns using oilbased media. May be repeated for a maximum of six credit hours.

**DP 4000 SELECTED TOPICS IN DRAW & PAINT 4.0**

Selected Topics in Drawing and Painting. Prerequisite: DP 3100 with grade of C or higher. Special topics for drawing and painting majors. May be repeated for a maximum of eight credit hours.

**DP 4500 DIR STUDY: DRAWING & PAINTING 4.0**

Directed Study in Drawing and Painting. Prerequisites: DP 3200 and 3300 with grades of C or higher. Individual studio problems for advanced students. May be repeated for a maximum of sixteen credit hours.

**DP 4940 PORTFOLIO I 3.0**

Portfolio I. Prerequisite: DP 4500 with grade of C or higher. Senioryear studio experiences for B.F.A. degree candidates. Committee review.

**DP 4950 PORTFOLIO II 3.0**

Portfolio II. Prerequisite: DP 4940 with grade of C or higher, or concurrently. Culminating studio experiences for B.F.A. degree candidates. Committee review.

**DP 4980 SPECIAL PROBLEMS 3.0**

Special Problems. Prerequisites: consent of instructor and of School director. Independent studies initiated by the student. May be repeated for a maximum of six credit hours.

**ECE = EARLY CHILDHOOD EDUCATION****ECE 3010 INTRO TO EARLY CHILDHOOD EDUC 2.0**

(TE) Introduction to Early Childhood Education. Corequisites: ECE 3021, ECE 3031, ECE 3600, and ECE 3661. Provides introduction to the field, observation, and child study skills. Field experiences in prekindergarten through fifthgrade classrooms are included. A minimum grade of "C" is required for this course.

**ECE 3021 CHILD DEVELOPMENT 3.0**

(TE) Child Development. Corequisites: ECE 3031, ECE 3600, and ECE 3661. Focuses on physical, cognitive, and affective stages of human growth and development. Introduces theories and models of behavior and development applied to the field of early childhood education. Field experiences in prekindergarten through fifthgrade classrooms are included. A minimum grade of "C" is required for this course.

**ECE 3031 CULTURAL DIVERSITY IN ECE 3.0**

(TE) Cultural Diversity in Early Childhood Education. Corequisites: ECE 3021, ECE 3600, and ECE 3661. Students develop an awareness of diversity issues in the early childhood classroom. Students are encouraged to develop multicultural competencies needed for effective practice. Field experiences in prekindergarten

through fifthgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3250 ESOL:LNG ACQUISITION/ASSESSMNT 3.0**

(TE) English to Speakers of Other Languages (ESOL): Language Acquisition and Assessment. Principles of first and second language learning and teaching are examined. An emphasis on the analysis of language structure as it applies to second language acquisition is a core component of this course. Appropriate assessment of language proficiency is examined in addition to ESOL program entrance and exit criteria. Students have continuous supervised field placements in ESOL classrooms as well as in nonESOL classrooms with significant culturally and linguistically diverse student populations.

**ECE 3255 ESOL: CULTURAL FOUNDATIONS 3.0**

(TE) English to Speakers of Other Languages (ESOL): Cultural Foundations. The purpose of this course is to introduce future educators with the knowledge and skills needed to provide an effective learning environment for students who are learning English as an additional language. Course participants explore issues related to the intercultural communication process. The importance of the role of context (social, cultural, and historical) in interculture interactions is considered. Students have continuous supervised field placement in ESOL classrooms as well as in nonESOL classrooms with significant culturally and linguistically diverse student populations.

**ECE 3360 ASSESSMENT CLASSROOM LRNG ECE 3.0**

(TE) Assessment of Classroom Learning in Early Childhood Education. Corequisites: ECE 3602, ECE 3605, and ECE 3663. Students examine various teacherconstructed and standardized instruments used to assess student learning. Strategies for selecting and using assessment methods are emphasized. The role of instructional assessment as it relates to teaching and learning are discussed. Field experience in K5th grades is included. Students must complete the course with a grade of “C” or higher.

**ECE 3440 ESOL: CURRICULUM & INSTRUCTION 3.0**

(TE) English to Speakers of Other Languages (ESOL): Curriculum and Instruction. Students examine current research, materials, curricula, and teaching methodologies in the area of ESOL instruction. Classroom application and observation are emphasized. Students have continuous supervised field placements in ESOL classrooms as well as in nonESOL classrooms with significant culturally and linguistically diverse student population.

**ECE 3600 LANGUAGE AND LITERACY 3.0**

(TE) Language and Literacy. Corequisites: ECE 3021, ECE 3031, and ECE 3661. Emphasis on the language development of the young child along with strategies to promote emergent literacy through literature experiences. Includes field experience in a prekindergarten through fifthgrade classroom. A minimum grade of “C” is required for this course.

**ECE 3601 READING/LANGUAGE ARTS IN ECE I 6.0**

(TE) Reading and Language Arts in Early Childhood Education I. Prerequisite: ECE 3600. Corequisites: ECE 3606, ECE 3607, and ECE 3662. Provides the student with an integrated study of the theory, methodology, and instructional materials in the areas of language development, oral and written language skills, reading, and children’s literature. Field experiences in kindergarten through secondgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3602 READING/LNGUAGE ARTS IN ECE II 3.0**

(TE) Reading and Language Arts in Early Childhood Education II. Prerequisite: ECE 3601. Corequisites: ECE 3360, ECE 3605, and ECE 3663. Integration of reading and language arts instruction across the curriculum is emphasized. A variety of methods of

instruction and assessment are explored. Field experiences in thirdgrade through fifthgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3603 MATHEMATICS & TECHNOLOGY ECE I 3.0**

(TE) Mathematics and Technology in Early Childhood Education I. Prerequisite: ECE 3021. Corequisites: ECE 3601, ECE 3606, and ECE 3662. Mathematical content, methods, and materials are connected to the mathematical development of young children in the primary grades. Strategies of selecting and using technological resources are emphasized. Field experiences in kindergarten through secondgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3604 MATHEMATICS & TECHNOLOGY ECE II 3.0**

(TE) Mathematics and Technology in Early Childhood Education II. Prerequisite: ECE 3603. Corequisites: ECE 3602, ECE 3605, and ECE 3663. Mathematical content, methods, and materials are connected to the mathematical development of young children in grades three through five. Strategies of selecting and using technological resources are emphasized. Field experiences in thirdgrade through fifthgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3605 SOCIAL STUDIES METHODS IN ECE 3.0**

(TE) Social Studies Methods in Early Childhood Education. Prerequisite: ECE 3600. Corequisites: ECE 3360, ECE 3602, and ECE 3663. Students examine objectives of various social studies programs and learn to use methods and materials appropriate for young children to accomplish these objectives. Field experiences in kindergarten through secondgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3606 SCIENCE AND INQUIRY IN ECE 3.0**

(TE) Science and Inquiry in Early Childhood Education. Prerequisite: ECE 3021. Corequisites: ECE 3601, ECE 3607, and ECE 3662. Students examine objectives of various science programs and learn to use methods and materials appropriate for young children to accomplish these objectives. Field experiences in thirdgrade through fifthgrade classrooms are included. A minimum grade of “C” is required for this course.

**ECE 3607 MATHEMATICS METHODS IN ECE 3.0**

(TE) Mathematics Methods in Early Childhood Education. Corequisites: ECE 3601, ECE 3606, and ECE 3662. Mathematical content, methods, and materials are connected to the mathematical development of young children in grades PreK through fifth. Field experiences in elementary classrooms are included. Student must complete the course with a grade of “C” or higher.

**ECE 3661 CLASSROOM MGMTMNT ECE/FLD EXP I 3.0**

(TE) Classroom Management in Early Childhood Education Field Experience I. Corequisites: ECE 3021, ECE 3031, and ECE 3600. This course focuses on the development of child management techniques and teaching skills. Included are observation and other study skills used in the education and guidance of young children. Includes field experiences in an early childhood setting. A minimum grade of “C” is required for this course.

**ECE 3662 CLASSRM MGMTMENT ECE/FLD EXP II 3.0**

(TE) Classroom Management in Early Childhood Education Field Experience II. Prerequisite: ECE 3661. Corequisites: ECE 3601, ECE 3606, and ECE 3607. This course focuses on the further development of child management techniques and teaching skills. Emphasis is placed on integrated instructional planning and child management strategies. Includes field experience in an early primary setting. A minimum grade of “C” is required for this course.

**ECE 3663 CLASSRM MGMTMNT ECE/FLD EXP III 3.0**

(TE) Classroom Management in Early Childhood Education Field Experience III. Prerequisite: ECE 3662. Corequisites: ECE

3360, ECE 3602, and ECE 3605. Provides for the application of child management procedures to academic content. Emphasis is placed on instructional assessment as it relates to classroom management procedures. Field experiences in third, fourth, and fifth grades are included. A minimum grade of "B" is required for this course.

**ECE 4650 OPENING SCHOOL EXPERIENCE 0.0 to 1.0**

(TE) Opening School Experience. Prerequisites: ECE 3010, ECE 3021, ECE 3031, and ECE 3600. Students gain practical experiences in the school and classroom during the week of preplanning and the first week of school. While assisting in the classroom, students learn effective procedures for beginning the school year. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**ECE 4661 STUDENT TEACHING 8.0 to 12.0**

(TE) Student Teaching. Prerequisites: all courses in areas AG of the degree program in Early Childhood Education. Students participate in a capstone practicum in one of the following grade levels: kindergarten, first, second, third, fourth, or fifth. This internship emphasizes the integration of developmental, curricular, and instructional principles in all areas of the curriculum. Students must submit a portfolio for approval. A minimum grade of "C" is required for this course.

**ECE 4810 DIRECTED READING IN ECE 1.0 to 3.0**

Directed Reading in Early Childhood Education. Prerequisite: consent of instructor. Focuses on individual reading on special topics in early childhood education. These topics are an extension of a previously completed course and are taught by an instructor who has taught that course. A directed reading form, available in the Department of Early Childhood Education, must be completed and signed by the instructor prior to registration. (Repeatable)

## **ECON = ECONOMICS**

**ECON 2100 THE GLOBAL ECONOMY 3.0**

The Global Economy. Not available for credit in the major; may be used as a nonmajor elective depending on degree. The world's economies have become much more integrated over time. This course is designed to introduce students to basic facts about the operation of the world economy, with particular focus on current issues confronting economies of various countries. The course will discuss the role of international organizations such as the World Bank and the International Monetary Fund, and will focus on major problems facing policy makers, such as global income inequality, financial crises, environmental challenges, the transition to a market economy, and the design of the European Monetary Union.

**ECON 2105 PRINCIPLES OF MACROECONOMICS 3.0**

Principles of Macroeconomics. Prerequisite: Math 1101 or Math 1111. This course analyzes the overall performance of economic systems including output and employment levels, inflation, economic growth, international finance, and the effects of monetary and fiscal policies.

**ECON 2106 PRINCIPLES OF MICROECONOMICS 3.0**

Principles of Microeconomics. Prerequisite: Math 1101 or Math 1111. This course is a systematic study of the functions of markets and prices in the production and distribution of goods and includes economic analysis of international trade, public finance, labor markets, monopoly, and poverty.

**ECON 3000 ECONOMICS FOR LIFE 3.0**

Economics for Life. Not available for credit in the major; may be used as a nonmajor elective depending on degree. Individuals have to make a multitude of economic and financial decisions, such as what type and amount of insurance to purchase, how

much to save and how to invest it, whether to rent or own, how much to spend on housing, what kind of mortgage to take out, whether to marry, and how to budget the household's income. This course provides an understanding of the issues surrounding these decisions and presents practical advice on how to make good decisions on these issues.

**ECON 3010 ECONOMIES OF ATLANTA & GA 3.0**

The Economies of Atlanta and Georgia. Not available for credit in the major; may be used as a nonmajor elective depending on degree. The Atlanta and Georgia economies have dramatically grown and changed over the past several decades. This course explores the current nature of these economies and how they have changed over the past half century. Consideration is given to the multiple causes of the changes, the role of economic development policy, the issue of urban sprawl, and what the future might hold.

**ECON 3020 RACE, SEX, AND ECONOMY 3.0**

Race, Sex, and the Economy. Not available for credit in the major; may be used as a nonmajor elective depending on degree. This course considers sex and racial differences in employment, earnings, education, health, and family structure. Students will explore how gender and racial differences result in different experiences and lead to different outcomes. A variety of explanations for the differences are discussed. Historical and international comparisons are made, and policies such as affirmative action and anti discrimination legislation are considered.

**ECON 3030 ECONOMICS OF SPORTS 3.0**

Economics of Sports. Not available for credit in the major; may be used as a nonmajor elective depending on degree. Sports, both collegiate and professional, have become big business, with high salaries and large public subsidies for stadiums. This course provides an overview of sports as a business. Among the topics discussed are the role of sports leagues, the salaries of professional athletes, race and sex discrimination in sports, broadcasting rights, public subsidies for stadiums, antitrust legislation, college athletics, and why the Braves and Yankees are more likely to win the World Series.

**ECON 3050 ECONOMICS ART, ENTER & CULTURE 3.0**

The Economics of Art, Entertainment, and Culture. Not available for credit in the major; may be used as a nonmajor elective depending on program. Each year Americans spend at least 120 billion hours and over \$150 billion on legal forms of entertainment. In spite of this, the economic idiosyncrasies of the sector are often not well understood. This class examines the economics of the major entertainment enterprises: the performing arts and other fine arts, movies and television programming, commercial music, broadcasting, cable television, casino gambling, and more. In addition to the basic facts and microeconomic characteristics of these industries, the class discusses how the sector is impacted by the macroeconomy and public policy.

**ECON 3610 THE ECONOMY OF SOUTH AFRICA 3.0**

This course is a survey of the South African economy with an emphasis on current issues. The purpose of this course is to present students with a case study in economic development. The course will be presented in a subSaharan context. This is, concurrent developments in other parts of the African continent will also be investigated and analyzed. The course is divided into two parts. In the first part of the course much of the focus will be spent on providing students with economic and historical background. Economic theories on growth and development will also be presented. The second part of the course will emphasize critical areas of concern for the South African economy, including trade, foreign direct investment, land reform, unemployment, poverty, crime and the AIDS epidemic.



**ECON 3620 EC STUDY ABROAD S. AFRICA 3.0**

The joint GSUMorehouse College economic studies abroad in South Africa course is designed to give students a broad understanding of the South African economy, its infra structure, its environment, and its governance. Through a series of lectures, in country discussions with industry and public officials, and site visits, the program participants will examine the process of economic and social development, as well as, South Africa's role in the global marketplace.

**ECON 3900 MACROECONOMICS 3.0**

Macroeconomics. Prerequisite: Econ 2105. This course applies the tools of aggregate economic analysis to the problems of the performance of the economy. The course links the theories and data to understand the causes of macroeconomic fluctuations in production, employment, inflation, and international economic relations; particular emphasis is placed on macroeconomic policy issues.

**ECON 3910 MICROECONOMICS 3.0**

Microeconomics. Prerequisite: Econ 2106. This course develops models of the behavior of individual economic units, including consumers, workers, investors, and business firms, and explains how and why these units make economic decisions. Economic behavior in various types of market environments is analyzed. The implications of this behavior for the allocation of resources and for public policy are discussed.

**ECON 4080 HISTORY OF ECONOMIC THOUGHT 3.0**

History of Economic Thought. Prerequisite: consent of instructor. An historical presentation of the economic doctrines of the physiocratic, classical, neoclassical, historical, Keynesian, and other schools of thought.

**ECON 4210 HEALTH ECONOMICS 3.0**

Health Economics. Prerequisite: Econ 2106 or equivalent. This course analyzes resource allocation issues in the health care sector of the U.S. and other economies. The demand, production, cost, and financing of health care services are examined using a variety of conceptual and empirical models. The economic evaluation of alternative health care programs is also discussed.

**ECON 4220 ENVIRONMENTAL ECONOMICS & POL 3.0**

Environmental Economics and Policy. Prerequisite: Econ 2106 or permission of instructor. This course is designed to introduce the student to a broad range of contemporary environmental problems and the design of appropriate policy responses. Environmental concerns such as declining urban air quality, water pollution, tropical rain forest destruction, and global warming are covered (topics vary according to the instructor). The role of economic development and the political and social forces determining environmental quality are explored. The effectiveness of past and present environmental policies and regulations are evaluated and contrasted with newer, more flexible approaches to improving environmental policy. This course is designed for students majoring in all disciplines who have interests in public policy as it relates to managing the environment.

**ECON 4230 EXPERIMENTAL ECONOMICS 3.0**

Experimental Economics. Prerequisite: Econ 2106 or equivalent. This introduction to experimental economics builds upon the scientific method and the testing of economic theories via laboratory experiments. Students will gain an understanding of the extent to which basic economic theories predict actual human behavior. The relevance and impact of similar experiments and related analyses on important debates surrounding public policy issues will be examined, which include privatization, market regulation, and environmental regulation.

**ECON 4300 ECONOMICS OF CITIES 3.0**

Economics of Cities. Prerequisite: Econ 2106. This course provides an

introduction to the ways that economics can be used to understand cities. The primary emphasis in the first half of the course is on the spatial organization of economic activity. Why are cities located where they are, what economic functions do they perform, and, within cities, how can we understand what goes on where, and who lives where? The tools that we develop as we deal with these questions will be essential in the second half of the course, in which we will take an economic approach to a number of policy issues that are loosely termed "urban problems" in the popular press.

**ECON 4350 ECON OF POVERTY & PUBLIC POL 3.0**

Economics of Poverty and Public Policy. This course applies basic economic concepts to the study of poverty in the United States. There are three main topics: (1) measuring the extent of poverty in the United States, (2) explaining the causes of poverty, and (3) evaluating actual and potential private sector or government responses to the problem. Within this framework, topics that will be discussed include poverty and inequality, economics of the family, racial/gender discrimination and segregation, neighborhood effects, history of welfare, the incentive structure of the current and proposed welfare plans, and welfare reform.

**ECON 4380 DIRECTED READING IN ECONOMICS 3.0 to 6.0**

Directed Readings in Economics. Prerequisites: Econ 2105 and Econ 2106, and consent of instructor.

**ECON 4400 PUBLIC SECTOR ECONOMICS 3.0**

Public Sector Economics. Prerequisite: expenditure and tax policies of governments, as well as views regarding the purpose of government and criteria for evaluating government actions. Various government expenditure programs, such as education and social security, and revenue sources, such as income taxes and property taxes, are then described and analyzed in light of the criteria. The course also includes a discussion of how group or collective choices are made within society, how environmental policies affect the level of pollution, and the importance of public debt.

**ECON 4450 LAW AND ECONOMICS 3.0**

Law and Economics Prerequisite: Econ 2106. This course provides an introduction to the economic analysis of legal issues and explores the relationship of legal institutions and laws to economic efficiency and social goals, such as justice. Topics are chosen from among the following: property rights, externalities and environmental control, administrative processes, crime, contracts and liability (e. g. product liability and medical malpractice), public utility and antitrust regulations, individual rights and discrimination.

**ECON 4470 INDUSTRIAL ORG, REG, & ECON 3.0**

Industrial Organization, Regulation, and Antitrust Economics. Prerequisite: Econ 2106. The theory of government regulatory and antitrust policies and their effects on the competitive performance of the economy and the behavior of individual firms and industries. Specific topics include an economic and some legal analysis of mergers, price discrimination, predatory strategies, tying contracts, resale price maintenance, costbenefit studies, product and worker safety, the environment, and deregulation issues in telecommunications, transportation, and other industries, with special emphasis on modern landmark cases and the role of economics in affecting public policy.

**ECON 4500 MONEY AND CREDIT 3.0**

Money and Credit. Prerequisite: Econ 2105. A study of the role of money, credit, interest rates, and the balance of payments in determining the rate of production and employment in a nation's economy; emphasis is placed on monetary policies of the Federal Reserve System and their interaction with other elements of policy and with international economic currents.

**ECON 4600 ECONOMIC DEVELOPMENT 3.0**

Economic Development. Prerequisite: Econ 2105 and Econ 2106. This

course analyzes the issues underlying vast differences in development among the nations of the world. Economic growth, subject to appropriate restraints on environmental degradation, is seen as a major instrument for improving the development of nations and the welfare of their people. The course employs elements of theories of growth, international trade and finance, industrial organization, money, as well as micro and macroeconomics to analyze causes of and prescribe cures for, underdevelopment.

### **ECON 4680 AMERICAN ECONOMIC HISTORY 3.0**

American Economic History. (Same as Hist 4210.) An intensive study of the development of the American economy with an emphasis upon the changing structure, institutional pattern, and performance of the system.

### **ECON 4700 ECONOMICS OF THE INTERNET 3.0**

Economics of the Internet (3) Prerequisites: Econ 2105 and Econ 2106. This course presents a broad overview of economics and the Internet, covering both macro and microeconomic topics. We begin by describing the role of innovation and technology in economic growth, including growth models and a comparison of the industrial and information revolutions. Within this framework, we discuss the emergence of the Internet as a foundation for the information economy. The macroeconomic section includes both domestic and international topics: measuring economic activity, electronic commerce, monetary policy, and international integration. We then explore how the Internet is changing industries and market structures, from production and cost structures to market pricing.

### **ECON 4750 INTRO TO GAME THEORY 3.0**

Introduction to Game Theory. This course introduces the basics of game theory to undergraduate students in various disciplines. It focuses on fundamentals of game theory including basic concepts and techniques, various ways of describing and solving games, and various applications in economics, political science, and business. It will help students sharpen their understanding of strategic behavior in different situations involving many individuals.

### **ECON 4800 INTERNATIONAL TRADE 3.0**

International Trade. Prerequisite: Econ 2106. An examination of theories of trade and empirical verification, trade and welfare, tariff and nontariff barriers to trade, common markets, and the relationship between growth and trade.

### **ECON 4810 INTERNATIONAL FINANCE 3.0**

International Finance. Prerequisite: Econ 2105. A study of the foreign exchange market, the balance of payments, exchange rate systems with particular emphasis on the current international monetary system, the international macroeconomic model, and policies for internal and external balance.

### **ECON 4930 MATHEMATICAL ECONOMICS 3.0**

Mathematical Economics. Prerequisites: Econ 2105 and Econ 2106, and Math 2211 or Math 1220. This course provides an introduction to mathematical techniques that are frequently used in economic analysis. Topics covered include differential and integral calculus and matrix algebra. Emphasis is placed on the applications of mathematics to topics in economic theory.

### **ECON 4950 ECONOMETRICS & APPLICATIONS 3.0**

Econometrics and Applications. Prerequisites: Econ 2105 and Econ 2106, and DSc 3100 or Math 1070. An introduction to the regression model, its assumptions, limitations, and application to problems in business and economics.

### **ECON 4960 ECONOMICS OF WORK AND PAY 3.0**

Economics of Work and Pay. Prerequisite: 2106. This course applies economic theory to the analysis of markets. Topics examined include wage determination, employment and labor force

growth, education and training, occupational attainment, unemployment, and the impact of discrimination, unions, and government policy on the functioning of labor markets.

### **ECON 4999 SENIOR CAPSTONE ECON POLICY 3.0**

Senior Capstone in Economic Policy. Prerequisites: ECON 3900, ECON 3910 and two 4000 level ECON courses or permission of the instructor. This course serves as an integrative capstone course for the economics major and should normally be taken during the student's last two semesters of study. Basic tools and methods of economics are used to understand and analyze a variety of contemporary economic problems and policy issues. The course will be organized by research modules that cover at least four of the following six broad economics topics: business policy analysis; economic history and thought; social policy and human resources; international economics and globalization; government fiscal, environmental and urban policies; and behavioral economics.

## **EDBT = ED, BUSINESS, AND TECHNOLOGY**

### **EDBT 3020 INSTRUCTN DEVELOPMNT TECHNOLOGY 3.0**

Instructional Development in Technology/Career Education. Students develop skills in organizing an instructional delivery system. Prepares students to adjust instructional time and learning opportunities to provide for mastery learning in outcomebased programs. Includes assessment systems and management techniques for laboratory and classroom.

### **EDBT 3360 FOUNDATNS MGT/SAFTY TECHNOLOGY 3.0**

Foundations of Management and Safety in Technology/Career Education. Students learn the basic principles of management applied to maintenance and control of all physical facilities. This course covers how to create an efficient teaching/learning atmosphere through student participation. Topics covered include supervision, tool and material controls, accident prevention, liability and safety procedures, methods for layout of classrooms and laboratories for most effective instruction, and provisions necessary for instructional areas.

### **EDBT 3690 TEACHING PRACT TECHN/CAREER ED 3.0**

Teaching Practicum in Technology/Career Education. Teaching, coordinating, and directing curricular activities during the entire school day is done under the guidance and supervision of a selected teacher and/or coordinator in the specialty area of the practicum student. Course includes observation at school site and seminars on campus.

### **EDBT 3700 TEACHING PRACT TECHN/CAREER ED 3.0**

Teaching Practicum in Technology/Career Education. Teaching, coordinating, and directing curricular activities during the entire school day is done under the guidance and supervision of a selected teacher and/or coordinator in the specialty area of the practicum student. Course includes observation at school site and seminars on campus.

### **EDBT 3710 TEACHING PRACT TECHN/CAREER ED 3.0**

Teaching Practicum in Technology/Career Education. Teaching, coordinating, and directing curricular activities during the entire school day is done under the guidance and supervision of a selected teacher and/or coordinator in the specialty area of the practicum student. Course includes observation at school site and seminars on campus.

### **EDBT 4250 PRIN/PRACTICES TECHN/CAREER ED 3.0**

Principles and Practices in Technology/Career Education. This course provides an orientation for guidance personnel and counselors, school administrators, career and technical educators, and general education teachers to the basic purposes and



goals of career and technical education in terms of major issues and current trends pertaining to the occupational preparation of youth and adults. A brief history of social, economic, and technical forces that stimulated the development of vocational education, and areas and types of career and technical education and their functions are presented.

**EDBT 4370 INSTRU MGMTMNT TECH/CAREER ED 3.0**

Instructional Management in Technology/Career Education. Prepares instructors to improve the academic thinking skills of students enrolled in competencybased training programs through the use of questioning strategies and student centered instruction. The course covers the use of skills to analyze, problem solve, and evaluate in an industrial or clinical setting.

**EDBT 4570 INSTR STRATEGIES TEC/CAREER ED 3.0**

Instructional Strategies in Technology/Career Education. Introduces students to strategies and methods for delivering jobrelated instruction in school settings. General goals and objectives of career and technical programs at the secondary level are investigated with a special emphasis placed on objectives in the student's area of specialization.

**EDBT 4660 APPLIED PRACTICE TEC/CAREER ED 3.0 to 9.0**

Applied Practice in Technology/Career Education. Prerequisite: permission of advisor or department chair. Students gain practical experience in the application of career and technology skills, knowledge, and principles to an actual situation. Development and implementation of a project related to career and technology education is required.

**EDBT 4800 INDEPENDNT STUDY TEC/CAREER ED 3.0 to 9.0**

Independent Study in Technology/Career Education. Prior approval by advisor or department chair required. This course provides an indepth study of selected area(s) in career and technology education. The course is highly personalized to meet the needs and interests of the student and requires contract between student and the sponsoring faculty member.

## **EDCI = CURRICULUM & INSTRUCTION**

**EDCI 3220 EMPOWERING DIV LEARNERS MID GR 3.0**

(TE) Empowering Diverse Learners in the Middle Grades. Corequisites: EDRD 3490 and EDRD 3500. This course has its primary focus on on the middle school learners: on the way they are diverse (developmental, cultural/ethnic, language, gender, religious, socioeconomic, and ability/disability), and on the equity, instructional, curricular, and organizational issues involved with the development of the full potential of each child. Major emphases include understanding the educator's expectations, knowledge, and behavior on students' expectations and on their learning, on the development of viable interpersonal and classroom climate and communication, and on empowering instructional techniques for diverse classrooms. Middle school philosophy, the nature of middle school students, the role of parents, and the role of community members are also foci of the course. School and community observations and participation are included. This course also provides the initial program identity and portfolio development.

**EDCI 3250 INTRO TEACHING SECONDARY SCHLS 3.0**

(TE) Introduction to Teaching in Secondary Schools. Students examine instructional material, teaching strategies, and evaluation procedure for teaching in secondary schools. Includes experience in reflective teaching and microteaching. Introduces the secondary programmatic issues including diversity, technology, contentspecific pedagogy, classroom management, and assessment. Provides grounding in concepts of professionalism, equity, and school culture. Provides initial program identity, advisement, and screening. School experiences are included.

**EDCI 4600 PRACTICUM 3.0 to 6.0**

(TE) Practicum. Students participate in practicum in middle or secondary schools, including observing, assisting, tutoring, microteaching, and classroom teaching. Students apply content knowledge, pedagogical skills, classroom management skills, and evaluation knowledge. (Repeatable).

**EDCI 4630 CRITICAL ISSUES SECONDARY EDUC 3.0**

(TE) Critical Issues in Secondary Education. Students conduct research and reflect on critical issues in secondary education in today's changing world.

**EDCI 4700 STUDENT TEACHING MIDDLE GRADES 12.0**

(TE) Student Teaching in Middle Grades. Prerequisite: approval of middle childhood committee. Provides the opportunity to plan, implement, and reflect on middle grades instruction in the student's content concentration areas. Requires a sustained internship across the term under the supervision of a mentor teacher and college professors. Units of instruction in both content concentrations are required, with the emphasis on the interdisciplinary linkages across these areas. Critical issues seminar accompanies student teaching and requires students to conduct research and reflect on issues in middle childhood education. A minimum grade of "B" is required for this course.

**EDCI 4750 STUDENT TEACHING SECONDARY SCH 9.0**

(TE) Student Teaching in the Secondary School. Requires the student to apply pedagogical content knowledge to the planning and implementation of instruction of secondary school students in the major area. Students demonstrate expertise at the initial teacher preparation level. A minimum grade of "C" is required for this course.

**EDCI 4810 DIRECTED READING IN TCHG/ LRNG 3.0**

Directed Reading in Teaching and Learning. Prerequisite: consent of instructor. Students engage in the indepth study of appropriate topics in teaching and learning. (Repeatable).

## **EDLA = LANGUAGE ARTS EDUCATION**

**EDLA 3200 TOPICS MIDDLE GR LANGUAGE ARTS 3.0**

Topics in Middle Grades Language Arts. Develops selected topics related to the texts used in middle grades language arts including contemporary children's literature, adolescent literature, nonfiction trade books, and multimedia programs.

**EDLA 4400 CONCEPTS/METHODS LANG ARTS MCE 3.0**

(TE) Concepts and Methods in Language Arts for Middle Childhood Education. Corequisites: EDMT 4460, EDSC 4470, EDSS 4480, and EDCI 4600. Provides the pedagogical content knowledge necessary for effective middle school instruction in language arts. Procedures for planning, implementing, and reflecting on language arts instruction are learned in a school setting. A minimum grade of "B" is required for this course.

## **EDMT = MATHEMATICS EDUCATION**

**EDMT 3350 TOPICS IN MIDDLE GRADES MATH 3.0**

Topics in Middle Grades Mathematics. Develops selected content topics in middle grades mathematics including number theory, algebra, geometry, probability, and statistics. The course emphasizes algebraic thinking and functions, problem solving, reasoning, connecting mathematical ideas, and using technology.

**EDMT 4460 CONCEPTS/MTHDS MID CHLDHD MATH 3.0**

(TE) Concepts and Methods in Middle Childhood Mathematics. Corequisites: EDLA 4400, EDSC 4470, and EDSS 4480. Provides the pedagogical content knowledge necessary for effective middle

school mathematics instruction. Procedures for planning, implementing, and reflecting on mathematics instruction are learned in a school setting. A minimum grade of "B" is required for this course.

#### **EDMT 4560 PRINCIPLES OF MATH INSTRUCTION 3.0**

(TE) Principles of Mathematics Instruction. Examines lesson planning, instructional materials, teaching strategies, technology use, and assessment procedures for teaching secondary school mathematics.

### **EDRD = READING EDUCATION**

#### **EDRD 3490 READING METHODS MID CHILDHOOD ED 3.0**

(TE) Reading Methods for Middle Childhood Education. Corequisite: EDRD 3500. Focuses on the reading process and on reading instruction as it relates to the needs of pre/early adolescent students in middle childhood. Major emphases include understanding the factors that affect reading, critical analyses of reading materials and strategies used in the content areas, understanding ways to facilitate students' learning from texts, and understanding interdisciplinary instruction. School experience included.

#### **EDRD 3500 ASSESS/INSTR STU W/READING DIF 3.0**

(TE) Assessment and Instruction of Middle Childhood Students with Reading Difficulty. Corequisite: EDRD 3490. This course involves preservice teachers in working one-on-one with a middle childhood student having difficulties in reading. Emphases include understanding readers' attitudes, interests, and perceptions of reading, assessing reader's strategies and ability to construct meaning, and planning appropriate literacy experience in light of assessment information.

### **EDSC = SCIENCE EDUCATION**

#### **EDSC 3250 TOPICS IN MIDDLE GRADE SCIENCE 3.0**

Topics in Middle Grades Science. Develops basic content knowledge of the natural and physical sciences. Develops understanding of school science topics, such as light, sound, weather, earth processes, and organisms. Emphasizes scientific reasoning skills, problem solving, using technology, and communicating scientific knowledge.

#### **EDSC 4470 CONCEPTS/METHODS MID CHLD SCIENCE 3.0**

(TE) Concepts and Methods in Middle Childhood Science. Corequisites: EDLA 4400, EDMT 4460, and EDSS 4480. Provides the pedagogical content knowledge necessary for effective middle school science instruction. Procedures for planning, implementing, and reflecting on science instruction are learned in a school setting. A minimum grade of "B" is required for this course.

### **EDSS = SOCIAL STUDIES EDUCATION**

#### **EDSS 3400 TOPICS MID GRD SOC SCI/HISTORY 3.0**

Topics in Middle Grades Social Science/History. Develops basic content knowledge of history and the social sciences. Develops understanding of school topics in world regions and emphasizes reasoning skills, problem solving, using technology, and inquiry in the social sciences.

#### **EDSS 4480 CONCEPT/METHOD MID CHD SOC STUDIES 3.0**

(TE) Concepts and Methods in Middle Childhood Social Studies. Corequisites: EDLA 4400, EDMT 4460, and EDSC 4470. Provides the pedagogical content knowledge necessary for effective middle school social studies instruction. Procedures for

planning, implementing and reflecting on social studies instruction are learned in a school setting. A minimum grade of "B" is required for this course.

### **EDUC = EDUCATION**

#### **EDUC 2110 INV CRIT & CONT ISSUES IN ED 3.0**

Investigating Critical and Contemporary Issues in Education. This course provides students with an understanding of selected philosophical, historical, social, cultural, political, and economic questions and influences on the development of educational policies and practices. Importantly, students will develop an understanding of the ways the humanities and social sciences can be used to question, interpret, analyze, and criticize educational thought and practice.

#### **EDUC 2120 EXPLO SOCIOCULT PERSP DIVERS 3.0**

Exploring SocioCultural Perspectives on Diversity in Educational Contexts. Given the rapidly changing demographics in our state and country this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definitions and implications of diversity, and 4) the influences of culture on learning, development, and pedagogy.

#### **EDUC 2130 EXPLORING LEARNING & TEACHING 3.0**

Exploring Learning and Teaching. This course is designed to provide the student with an overview of theories and research findings in the field of educational psychology with an emphasis on learning. Attention will be paid to the role of individual differences in learning, including development, and on ways to promote effective learning for all students. This class emphasizes student involvement in the learning process through active class discussions, presentation of case studies, and opportunities to reflect on and examine learning in a variety of real world contexts.

### **ELMT = LIBRARY MEDIA TECHNOLOGY**

#### **ELMT 2100 SURVIVAL SKILLS FOR INFORMATION AGE 3.0**

INFO21: Survival Skills for the Information Age The course gives students a thorough grounding in the application of information literacy (the ability to find and use information) to the modern world. Students learn how to access, evaluate, use, and disseminate information intellectually in an information-rich environment.

### **ENGL = ENGLISH**

#### **ENGL 0081 ACADEMIC WRITING 4.0**

Academic Writing. (Formerly LSP 0081.) Prepares students for college-level writing by focusing on exposition, argument, and short research reports. Special emphasis is given to standard usage, sentence structure, essay development, and organization. Topics related to contemporary social and cultural issues provide a basis for discussion and writing.

#### **ENGL 1101 ENGLISH COMPOSITION I 3.0**

English Composition I. A composition course designed to increase the student's ability to construct written prose of various kinds. Focuses on methods of organization, analysis, research skills, and the production of short argumentative and expository essays; readings consider issues of contemporary social and cultural concern. Passing grade is C.

**ENGL 1102 ENGLISH COMPOSITION II 3.0**

English Composition II. Prerequisite: Engl 1101 with grade of C or higher. A composition course designed to develop writing skills beyond the levels of proficiency required by English 1101. Stresses critical reading and writing and incorporates a variety of more advanced research methods; readings will be drawn from a wide variety of literary texts. Passing grade is C.

**ENGL 1103 ADVANCED ENGLISH COMPOSITION 3.0**

Advanced English Composition. Prerequisite: admission by permission of department. Passing grade is C.

**ENGL 2050 INTERM EXPOSITORY WRITING 3.0**

Intermediate Expository Writing. Prerequisites: Engl 1102 with grade of C or higher, or equivalent. Nonspecialized techniques of writing that go beyond Engl 1102 or 1103 to prepare students for upperlevel writing courses as well as for academic or professional writing.

**ENGL 2110 WORLD LITERATURE 3.0**

World Literature. Prerequisite: Engl 1102 with grade of C or higher, or equivalent. A survey of important works of world literature.

**ENGL 2120 BRITISH LITERATURE 3.0**

British Literature. Prerequisite: Engl 1102 with grade of C or higher, or equivalent. Historical survey of literature from the British Isles, with consideration of literary genres, conventions, and modes. Issues such as language change, periodization, canon formation, national identity, and the interrelationships between literature and other elements of culture.

**ENGL 2130 AMERICAN LITERATURE 3.0**

American Literature. Prerequisite: Engl 1102 with grade of C or higher, or equivalent. Historical survey of literature from the United States, with consideration of literary genres, conventions, and modes. Issues such as periodization, canon formation, national identity, and the interrelationships between literature and other elements of culture.

**ENGL 2140 INTRO TO LITERARY STUDIES 3.0**

Introduction to Literary Studies. Prerequisite: Engl 1102 with grade of C or higher, or equivalent. Materials, methods, and terminology used in the discipline of literary studies. Practice in effective critical writing and examination of the various critical theories available for interpretation and analysis.

**ENGL 2150 INTRO TO RHETORIC & ADV COMP 3.0**

Introduction to Rhetoric and Advanced Composition. Prerequisite: Engl 1102 with grade of C or higher, or equivalent. Introduction to the most significant forms of writing instruction that have been offered in various cultures during a range of historical epochs. Texts from ancient China, preclassical Greece, the Hellenic period, the Roman Empire, the early Christian era, Medieval Europe, Modern Europe, and contemporary America.

**ENGL 2160 STUDIES IN POPULAR CULTURE 3.0**

Studies in Popular Culture. Prerequisite: Engl 1102 with grade of C or higher, or equivalent. Introduction to critical issues associated with the study of popular culture. Throughout the course, discussion of pop cultural texts (including television series, print ads, video games, web logs, and popular film and music) will be shaped by the critical methodologies exemplified in course readings. In the process, students will be encouraged to use these applications as models for their own work in selecting, analyzing, and critically reflecting on specific instances of popular culture.

**ENGL 3080 HIST,THRY&PRCT/ARGMNTV WRITING 3.0**

History, Theory, and Practice of Argumentative Writing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher.

Readings from such authors as Aristotle, Plato, Perelman, and Toulmin. Practice at methods for developing an argument.

**ENGL 3090 HIST,THRY&PRCT/EXPOSIT WRITING 3.0**

History, Theory, and Practice of Expository Writing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Readings from selected writers such as Montaigne, Swift, Bacon, Coleridge, and Woolf. Practice at methods for developing nonfiction prose.

**ENGL 3100 20THC COMP THEORY & PRACTICE 3.0**

TwentiethCentury Composition Theory and Practice. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Study of composition from currenttraditional to postmodern rhetoric.

**ENGL 3105 PRACTICAL GRAMMAR 3.0**

Practical Grammar. Prerequisite: Engl 1102 or 1103 with grade of C or higher. Recognizing and describing sentence components, syntactical relationships, and other verbal patterns. Application of grammatical principles to editing problems and literary analysis.

**ENGL 3110 TECHNICAL WRITING 3.0**

Technical Writing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Intensive study of scientific and technical style; practice at various formats, including reports, proposals, instructional manuals, and professional papers.

**ENGL 3115 DOCUMENT DESIGN 3.0**

Document Design. Prerequisite: Engl 1102 or 1103 with grade of C or higher. Theory and practice of marking up, laying out, and preparing various kinds of documents for publication.

**ENGL 3120 ELECTRONIC WRITING & PUBLISHING 3.0**

Electronic Writing and Publishing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Study of online writing and electronic publishing, including asynchronous and synchronous media. May include document creation from computeraided print publishing to hypertext and Internet publishing.

**ENGL 3130 BUSINESS WRITING 3.0**

Business Writing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Advanced composition applied to business writing techniques and problems.

**ENGL 3135 VISUAL RHETORIC 3.0**

Visual Rhetoric. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Introduces visual information design theories and practices for writers. Examines the use of visual meanings in the production of texts, the influence of visual culture on written discourse, and audiencecentered document design.

**ENGL 3140 EDITING 3.0**

Editing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Skills and resources needed for preparing unpublished documents for publication. May include academic publishing, textual editing, and commercial applications.

**ENGL 3150A INTRO TO CREATIVE WRITPOETRY 3.0**

Introduction to Creative Writing Poetry. Nonmajor prerequisite: Engl 2120 or 2130 with grade of C or higher. Introduction to the writing of poetry for the novice writer; practice in styles, points of view, and structure.

**ENGL 3150B INTRO TO CREATIVE WRITFICTION 3.0**

Introduction to Creative Writing Fiction. Nonmajor prerequisite: Engl 2120 or Engl 2130 with grade of C or higher. Introduction to the writing of fiction for the novice writer; practice in styles, points of view, and structure.

**ENGL 3160 NARRATIVE TECHNIQUES 3.0**

Narrative Techniques. Prerequisite: Engl 3150B with grade of C or higher. For the student with a special interest in short fiction. Studies in character development, story, plot, and point of view; critiques of professional and student work.

**ENGL 3170 POETIC TECHNIQUES 3.0**

Poetic Techniques. Prerequisite: Engl 3150A with grade of C or higher. For the student with a special interest in poetry. Studies in figurative language, symbol, metrics, and various poetic forms; critiques of professional and student work.

**ENGL 3180A CONTEMPORARY POETRY 3.0**

Contemporary Poetry. Nonmajor prerequisite: Engl 2120 or Engl 2130 with grade of C or higher. Study of important voices in contemporary American and English poetry, with discussion of current literary climates.

**ENGL 3180B CONTEMPORARY FICTION CRAFT 3.0**

Contemporary Fiction Craft. Prerequisites: Engl 3150B and Engl 2120 or Engl 2130 with grades of C or higher. Study of fiction technique through the reading and analysis of contemporary fiction. Designed for fiction writers.

**ENGL 3190 LANG ANALYSIS FOR ENG TEACHERS 3.0**

Language Analysis for Teachers of English. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Exploration of the basic components of language, language variation, and practical applications of linguistics to spoken and written texts in literature and composition.

**ENGL 3200 INTRO TO THE ENGLISH LANGUAGE 3.0**

Introduction to the English Language. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Language theories as a basis for understanding language characteristics, development, variation and change, attitudes, and uses. Application to literature, rhetoric, and language arts.

**ENGL 3210 ADVANCED GRAMMAR 3.0**

Advanced Grammar. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Readings in various areas of language study; focus on syntax of modern English grammar. Especially recommended for those who expect to teach secondary English.

**ENGL 3220 HIST OF THE ENGLISH LANGUAGE 3.0**

History of the English Language. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Development of the structure and history of the English language: Indo-European, Old English, Middle English, Early Modern English, and Present Day English. Students must learn IPA for phonological study. Attention will also be given to the morphology, syntax, social and regional variations, and semantics of English.

**ENGL 3230 HIST OF LITERARY CRITICISM I 3.0**

History of Literary Criticism I. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Critical and theoretical perspectives on literature, art, and culture from Plato to the New Criticism.

**ENGL 3240 HIST OF LITERARY CRITICISM II 3.0**

History of Literary Criticism II. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Critical and theoretical perspectives on literature, art, and culture from Saussure to the present.

**ENGL 3250 TOPICS IN CONTEMP THEORY 3.0**

Topics in Contemporary Theory. Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140. Systematic and focused study of one or more recent critical theories that influence the study of literature, language, and culture. Individual courses will vary in focus.

**ENGL 3260 THEORIES OF POPULAR CULTURE 3.0**

Theories of Popular Culture. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Theories of mass cultural and their practical applications to the analysis of cultural production. May include such phenomena as popular fiction, the built environment, and the popular media.

**ENGL 3265 BRITISHAMERICAN CULTURE SEM I 3.0 to 4.0**

BritishAmerican Culture Seminar I. Prerequisite: British and American Cultures Program concentration, or consent of English or History program advisor. (Same as Hist 4960.) Analyzes literary and/or historical themes from the perspectives of American and British authors, historical figures, and literatures. Offered by the English and History Departments.

**ENGL 3266 BRITISHAMERIC CULTURE SEM II 3.0 to 4.0**

BritishAmerican Culture Seminar II. Prerequisite: British and American Cultures Program concentration, or consent of English or History program advisor. (Same as Hist 4961.) Analyzes literary and/or historical themes from the perspectives of American and British authors, historical figures, and literatures. Offered by the English and History Departments.

**ENGL 3270 AMERICAN CULTURE SEMINAR 3.0**

American Culture Seminar. Prerequisite: British and American Cultures Program concentration, or consent of English or History program advisor. Focuses on one or more American regional cultures from either a literary or historical perspective to offer definitions of "Americanness" or American myths.

**ENGL 3275 LIT AND CULTURE OF AMER SOUTH 3.0**

Literature and Culture of the American South. Prerequisite: British and American Cultures Program concentration, or consent of English or History program advisor. A selection of writing from the South from colonial times through the twentieth century. The purpose of the course is to examine the region through the vision of its authors.

**ENGL 3280 ENGLISH DRAMA 3.0**

English Drama. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Topics to be announced. Dramatic literature selected from the beginnings of English drama through the twentieth century. Courses may focus on topics such as medieval drama, the Elizabethan and Jacobean stage, Restoration drama, radio drama, or postmodern theatre. May be repeated for credit if topic varies.

**ENGL 3290 ENGLISH FICTION 3.0**

English Fiction. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Topics to be announced. Fiction selected from the beginnings of the English novel or short story through the twentieth century. Focus on such areas as eighteenthcentury novels, nineteenthcentury novels, or modern novels. May be repeated for credit if topic varies.

**ENGL 3300 MEDIEVAL ENGLISH LITERATURE 3.0**

Medieval English Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. English literature from the AngloSaxon period through the fifteenth century with focus on selected genres and authors such as the Gawain Poet, the Wakefield Master, Julian of Norwich, and William Langland.

**ENGL 3400 SIXTEENTH CENTURY ENGLISH LIT 3.0**

SixteenthCentury English Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by such authors as More, Wyatt, Sidney, Spenser, Marlowe, and Shakespeare.

**ENGL 3410 EARLY & MIDDLE 17THC. ENG LIT 3.0**

Early and Middle SeventeenthCentury English Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected



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works by such authors as Lanyer, Donne, Johnson, Bacon, Herbert, Marvell, and Milton.

### **ENGL 3500 RESTOR/EARLY 18THC ENG LIT 3.0**

Restoration and Earlier EighteenthCentury English Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by such authors as Dryden, Swift, Pope, and Lady Mary Wortley Montague.

### **ENGL 3510 LATER 18THCENT ENGLISH LIT 3.0**

Later EighteenthCentury English Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by such authors as Johnson, Boswell, Burney, Goldsmith, and Gray.

### **ENGL 3600 EARLY BRITISH ROMANTIC LIT 3.0**

Early British Romantic Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Works by such authors as Wollstonecraft, Equiano, Blake, Burns, William Wordsworth, Barbauld, and Coleridge.

### **ENGL 3605 LATE BRITISH ROMANTIC LIT 3.0**

Late British Romantic Literature. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Works by such authors as Byron, Mary Prince, Hemans, Dorothy Wordsworth, Shelley, DeQuincey, and Keats.

### **ENGL 3610 VIC POETRY/19 C. NONFIC PROSE 3.0**

Victorian Poetry and NineteenthCentury NonFiction. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by authors such as Tennyson, Browning, Arnold, Christina Rossetti, the PreRaphaelites, DeQuincey, Gaskell, Carlyle, Newman, Wilde, and others.

### **ENGL 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

### **ENGL 3700 ENG LIT: 19001945 3.0**

English Literature: 19001945. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by writers from Great Britain, Ireland, and other Englishspeaking nations. Writers such as Yeats, Joyce, Mansfield, West, Eliot, Auden, and Woolf; issues such as modernism, imperialism, and women's suffrage.

### **ENGL 3710 ENG LIT: 1945PRESENT 3.0**

English Literature: 1945Present. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by writers from Great Britain, Ireland, and other Englishspeaking nations. Writers such as Larkin, Lessing, Rushdie, Pinter, Stoppard, Walcott, and Churchill; issues such as postmodernism and responses to political violence.

### **ENGL 3720 20THCENTURY ENGLISH POETRY 3.0**

TwentiethCentury English Poetry. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works by poets such as Yeats, H.D., Eliot, Auden, Thomas, Smith, Plath, Larkin, and Heaney.

### **ENGL 3800 EARLY AMERICAN LITERATURE 3.0**

Early American Literature. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Investigation of writers such as Bradford, Bradstreet, Mather, Edwards, Franklin, Freneau, Wheatley, and Murray; focus on literary, historical, theological, and cultural traditions.

### **ENGL 3810 AMERICAN LIT: 18201865 3.0**

American Literature: 18201865. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Emphasis on writers such as Poe, Fuller, Emerson, Thoreau, Hawthorne, Melville, Douglass, Dickinson, and Whitman.

### **ENGL 3820 AMERICAN LIT: 18651914 3.0**

American Literature: 18651914. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Emphasis on writers such as Chesnutt, Twain, James, Wharton, Crane, Dreiser, Chopin, Dunbar, and Adams.

### **ENGL 3830 AMERICAN LIT: 19141945 3.0**

American Literature: 19141945. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Emphasis on writers such as Frost, Stein, Anderson, Hemingway, Eliot, Stevens, Cather, Faulkner, Wright, Fitzgerald, Toomer, and Hurston.

### **ENGL 3840 AMERICAN LIT: 1945PRESENT 3.0**

American Literature: 1945Present. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Emphasis on writers such as Bellow, Momaday, Ellison, Welty, Miller, Albee, Bishop, Rich, Morrison, and Roethke.

### **ENGL 3850 AMERICAN POETRY 3.0**

American Poetry. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Topics to be announced. Poetry selected from the colonial period through the twentieth century. May concentrate on poetry from specific periods or of specific types or themes. May be repeated for credit if topic varies.

### **ENGL 3860 AMERICAN DRAMA 3.0**

American Drama. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Selected plays and theatre history, primarily from the twentieth century, including works from such playwrights as O'Neill, Glaspell, Williams, Miller, Albee, Hansberry, Fornes, Wilson, Mamet, and Shepard.

### **ENGL 3870 AMERICAN FICTION 3.0**

American Fiction. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Topics to be announced. The novel or short fiction selected from the colonial period through the twentieth century. Individual courses may focus on specific periods or specific types or themes. May be repeated for credit if topic varies.

### **ENGL 3880 AMERICAN NONFICTION PROSE 3.0**

American Nonfiction Prose. Nonmajor prerequisite: Engl 2130 with grade of C or higher. Such genres as the essay, biography, letters, diaries, and travel literature; selected writers from the colonial period through the present. Individual courses may focus on specific periods or specific types or themes.

### **ENGL 3890 CONTEMP AMER ETHNIC LIT 3.0**

Contemporary American Ethnic Literatures. Nonmajor prerequisite: Engl 2120 or 2130 with grade of C or higher. Study of contemporary American ethnic literatures, including works by AfricanAmerican, AsianAmerican, HispanicAmerican, and Native American writers.

### **ENGL 3900 IRISH LITERATURE 3.0**

Irish Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Selected works of literature in English and in English translation from Irish, from the eleventh to the twentieth centuries. Emphases will vary; focus on writers such as Swift, Wilde, Yeats, Joyce, Lady Gregory, Kavanagh, Heaney, and Boland.

### **ENGL 3910 CHILDREN'S/YOUNG ADULT LIT 3.0**

The Tradition of Children's and Young Adults' Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Origin and history of children's and young adult literature; analysis of literary forms and themes; reading and discussion of critical analyses of genre.

### **ENGL 3920 SOUTHERN LITERATURE 3.0**

Southern Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Intellectual and literary

achievement of the South from 1607 to the present, including works by such authors as Jefferson, Longstreet, Chopin, Faulkner, Welty, Hurston, Warren, O'Connor, and Gaines.

### **ENGL 3930 MODERN DRAMA 3.0**

Modern Drama. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. Selected works from 1850 to the present, including but not limited to plays from Great Britain, the Continent, and the United States.

### **ENGL 3940 POSTCOLONIAL LITERATURE 3.0**

Postcolonial Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Depending on topic, may be crosslisted with African American Studies as AAS 4970.) Literature in English from former and current members of the British Commonwealth, such as Australia, Canada, India, Nigeria, and South Africa; consideration of cultural and political issues. May be repeated for credit if topic varies.

### **ENGL 3950 AFRICANAMERICAN LIT 3.0**

AfricanAmerican Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as AAS 3880.) Major writers from the eighteenth century to the present. Includes such authors as Equiano, DuBois, Hughes, Petry, Baldwin, Hansberry, Ellison, and Walker.

### **ENGL 3955 LANGUAGE IN AFRICAN AMERICAN COMMUNITY 3.0**

Language in the AfricanAmerican Community. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as AAS 3955.) A sociolinguistic study of the characteristics that define and connote the varieties of AfricanAmerican English: origins, currents of change, functions of functions of language identity, styles, and modes of discourse.

### **ENGL 3960 AFRICANAMERICAN LIT BY WOMEN 3.0**

AfricanAmerican Literature by Women. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as AAS 3960 and WSt 3960.) A survey of literature from the eighteenth century to the present. Includes such authors as Wilson, Wheatley, Larsen, Hurston, Dove, Hansberry, and Morrison.

### **ENGL 3970 CARIBBEAN LITERATURE 3.0**

Caribbean Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as AAS 4890.) Survey of literature of the Englishspeaking or Commonwealth Caribbean. Includes such writers as Prince, Brathwaite, Kincaid, Naipaul, and Walcott.

### **ENGL 3980 WOMEN'S LITERATURE I 3.0**

Women's Literature I. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as WSt 3980.) Selected works by women writers before 1800, such as Julian of Norwich, Christine de Pisan, Elizabeth I, Margaret Sidney, Behn, Burney, Wollstonecraft, and Austen.

### **ENGL 3990 WOMEN'S LITERATURE II 3.0**

Women's Literature II. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as WSt 3990.) Selected works by women writers after 1800. Multicultural and inclusive in scope; may include Mary Shelley, the Brontes, Dickinson, Cather, Woolf, Emecheta, Hurston, Morrison, and Esquivel.

### **ENGL 3995 FEMINIST LITERARY CRITICISM 3.0**

Feminist Literary Criticism. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. (Same as WSt 3995.) Critical approaches to the varieties of feminist thinking that influence studies of language, literature, and culture. Topics and writers may range from the medieval period to the present. Multicultural perspectives on issues of gender, race, and class emphasized.

### **ENGL 4000 JEWISH LITERATURE 3.0**

Jewish Literature. Nonmajor prerequisite: Engl 2120, 2130, or 2140 with grade of C or higher. A survey of one or more branches of Jewish literature, (e.g. Yiddish, Hebrew, Ladino, American, British, or German), in English translation where necessary. May be comparative (e.g. Black and Jewish Literatures in the United States). Topics may vary. For English majors and/or students minoring in Jewish Studies.

### **ENGL 4100 STUDY OF A SINGLE AUTHOR 3.0**

Study of a Single Author. Topics and nonmajor prerequisite to be announced. Concentrated study of a single author such as Dryden, Wordsworth, Austen, Hawthorne, Joyce, Faulkner, or Morrison. May be repeated for credit if topic varies.

### **ENGL 4110 CHAUCER 3.0**

Chaucer. Nonmajor prerequisite: Engl 2120 with grade of C or higher. A selection of Chaucer's works, including Troilus and Criseyde and The Canterbury Tales.

### **ENGL 4120 SPENSER 3.0**

Spenser. Nonmajor prerequisite: Engl 2120 with grade of C or higher. The Shepherdes Calender, The Faerie Queene, and other selected works of Spenser.

### **ENGL 4130 SHAKESPEARE, EARLIER WORKS 3.0**

Shakespeare, Earlier Works. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works from the first half of Shakespeare's career, such as Romeo and Juliet, Much Ado About Nothing, Richard III, The Merchant of Venice, Hamlet, and early poems.

### **ENGL 4140 SHAKESPEARE, LATER WORKS 3.0**

Shakespeare, Later Works. Nonmajor prerequisite: Engl 2120 with grade of C or higher. Selected works from the second half of Shakespeare's career, such as Twelfth Night, Othello, King Lear, Macbeth, Anthony and Cleopatra, and later poems. A student may take Engl 4140 without having taken Engl 4130.

### **ENGL 4150 MILTON 3.0**

Milton. Nonmajor prerequisite: Engl 2120 with grade of C or higher. A selection of Milton's works, including Paradise Lost, other poetry, and selected prose.

### **ENGL 4200 TOPICS 3.0**

Topics. Topics and nonmajor prerequisite to be announced. Focused study of a problem, question, issue, or specialized subject. A variety of courses is offered every semester; courses may focus on topics as varied as the sonnet, science and race in nineteenthcentury American culture, and literature of World War I. May be repeated for credit if topic varies.

### **ENGL 4260 RELIGION AND LITERATURE 3.0**

Religion and Literature. (Same as RelS 4260.) Examines how religious institutions, beliefs, and values have been presented in and challenged within novels. Readings include works by authors from various religious communities as well as theoretical work done by scholars working in the field of religion and literature.

### **ENGL 4300 SENIOR SEM: LITERARY STUDIES 3.0**

Senior Seminar: Literary Studies. Prerequisite: Majors must have completed at least twelve semester hours of upperdivision English course work before registering. Limited to 15 students. For English majors only. Opportunity for advanced research and completion of a project. Each seminar focuses on a problem, question, issue, or specialized subject. Topics vary.

### **ENGL 4310A SR SEM: WORKSHOP IN POETRY 3.0**

Senior Seminar: Workshop in Poetry. Prerequisites: Engl 3150A and Engl 3170 with grades of C or higher. For English majors



only. Majors must have completed at least twelve semester hours of upperdivision English coursework before registering. Writing and critique of student work at an advanced level. (Limited to 15 students.)

**ENGL 4310B SR SEM: WORKSHOP IN FICTION 3.0**

Senior Seminar: Workshop in Fiction. Prerequisites: Engl 3150B, Engl 3160, and Engl 3180B with grades of C or higher. For English majors only. Majors must have completed at least twelve semester hours of upperdivision English coursework before registering. Writing and critique of student work at an advanced level. (Limited to 15 students.)

**ENGL 4320 RHETORIC SEMINAR 3.0**

Rhetoric Seminar. Prerequisite: Engl 2150 with grade of C or higher, and at least twelve hours of upperdivision courses in rhetoric and advanced composition and technical and professional writing. Limited to 15 students. For English majors only. Opportunity for advanced research and completion of a project in rhetoric or composition. Topics vary.

**ENGL 4330 SR SEM: SECONDARY ENG EDUCAT 3.0**

Senior Seminar: Secondary English Education. Prerequisite: twelve hours upperdivision English prior to registration. English majors only. Opportunity for advanced research and completion of a project. Each seminar examines a set of texts in relationship to effective pedagogical strategies.

**ENGL 4400 GRADTN W/DISTINCTION PROJECT 1.0 to 3.0**

Graduation with Distinction Project. Prerequisite: consent of department; information available upon request.

**ENGL 4500 INTERNSHIP 1.0 to 3.0**

Internship. Nonmajor prerequisite: consent of the department; information available on request. Strongly recommended for those wishing to pursue a career in writing or editing. Field experience in writing, editing, and research.

**ENGL 4510 GRANT AND PROPOSAL WRITING 3.0**

Grant and Proposal Writing. Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Study and practice in grant and proposal writing in business and organizational settings.

**ENGL 4520 FEMINISM AND TECHNOLOGY 3.0**

Feminism and Technology. (Same as WSt 4520). Nonmajor prerequisite: Engl 1102 or Engl 1103 with grade of C or higher. Examines recent feminist cultural studies of science and technology. Includes feminist theories of science, women's technological work, cyberfeminism, and projects involving film, popular culture, new media, rhetorical criticism and online activism.

**ENGL 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**ENGL 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisites: consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**EPSF = EPS/SOCIAL FOUNDATIONS****EPSF 2010 INTRO TO EDUCATIONAL ISSUES 3.0**

Introduction to Educational Issues. This course encompasses the role of the professional educator, including ethical and effective practice and the social, historical, and philosophical perspectives and methods of inquiry used in the analysis of educational issues. This course also addresses the effective use of technology, covers

issues related to diversity and ethics, and has a field component. A minimum grade of "C" is required for this course.

**EPY = EDUCATIONAL PSYCHOLOGY****EPY 2050 HUMAN GROWTH AND DEVELOPMENT 3.0**

Human Growth and Development. Students study the research and theory on human development spanning the years from conception through adolescence. The roles played by biology, gender, and culture are examined, as is the relationship between development and the learning process.

**EPY 2130 EXPLORING LEARNING & TEACHING 3.0**

Exploring Learning and Teaching. This course is designed to provide the student with an overview of theories and research findings in the field of educational psychology with an emphasis on learning. Attention will be paid to the role of individual differences in learning, including development, and on ways to promote effective learning for all students. This class emphasizes student involvement in the learning process through active class discussions, presentation of case studies, and opportunities to reflect on and examine learning in a variety of real world contexts.

**EPY 3010 EDUCATIONAL PSYCHOLOGY 3.0**

Educational Psychology. Students examine theories of learning and the teaching strategies that are supported by educational research. Classroom applications are emphasized.

**EXC = EXCEPTIONAL CHILDREN****EXC 4010 CHARACTERISTICS OF DISABILITY 3.0**

Characteristics of Students with Disabilities. Prerequisite: admission to BLD program. This course provides a study of the historical and legal treatment and actions, identification, classification, eligibility, and the unique characteristics of individuals with disabilities who require accommodations and adaptations throughout their life cycles. The course includes knowledge of all areas of exceptionalities with particular emphasis on those individuals with mild behavior learning disabilities. The course includes an analysis of individuals across classification categories (i.e., students with mild disabilities) as well as an in depth review of all areas of exceptionalities per Georgia House Bill 671.

**EXC 4020 CHARACTER/INSTRUCT STRAT DISAB 3.0**

Characteristics and Instructional Strategies for Students with Disabilities. This course is designed to provide the student with an overview of the identification, classification, eligibility, and the unique characteristics of individuals with disabilities who require accommodations and adaptations throughout their life cycle. The course will focus on basic instructional strategies used to teach these individuals. The course includes an analysis of individuals across classification categories as well as an in depth review of all areas of exceptionalities per Georgia House Bill 671.

**EXC 4320 INTRO TO LANGUAGE DISORDERS 3.0**

Introduction to Language Disorders. This course provides an introduction to language disorders across the life span. Emphasis is placed on describing the characteristics and causes of language disorders in children and adults. General procedures for assessing language disorders and principles of remediation are described. (Laboratory participation required).

**EXC 4360 ANATOMY/PHYSIOL COMMUNICATION 3.0**

Anatomy and Physiology for Communication. This course is designed to examine the anatomy and physiology of the speech and hearing mechanisms and to provide an overview of the nervous system as related to speech, language, and hearing. The course prepares students for further course work in communication disorders.

**EXC 4370 SURVIVAL LEVEL AM SIGN LANGUAGE 3.0**

Survival Level American Sign Language. This course prepares students to understand and use American Sign Language grammar, signs, finger spelling, and non manual markers at the survival level. Students receive an orientation to deaf culture. (Taught with EXC 6370.)

**EXC 4380 INTERMED LEVL AM SIGN LANGUAGE 3.0**

Intermediate Level American Sign Language. Prerequisite: EXC 4370 or a survival rating on the Signed Communication Proficiency Interview. This course prepares students to understand and use the grammar, signs, finger spelling, and nonmanual markers of American Sign Language at the intermediate level. Students increase their understanding of deaf culture. (Taught with EXC 6380.)

**EXC 4480 INTRO TO HEARING SCI/DISORDERS 3.0**

Introduction to Hearing Science and Disorders. This course introduces students to hearing science and audiology. Students examine acoustics, anatomy and physiology, and disorders of the auditory system. Attention is given to the administration and interpretation of pure tone and speech audiometry.

**EXC 4490 INTRODUCTION TO AURAL REHAB 3.0**

Introduction to Aural Rehabilitation. Prerequisite: EXC 4480 with a minimum grade of "C" or consent of instructor. This course introduces students to the rehabilitation of children and adults with hearing impairment. Emphasis is placed on the effects of hearing loss, the function, selection, and maintenance of amplification systems, auditory training, speech reading, and the design of individualized intervention programs.

**EXC 4560 ED EVALUATION OF DISABILITIES 3.0**

Educational Evaluation of Students with Disabilities. Prerequisite: admission to BLD program. This course is the study of the process of gathering information regarding the individual strengths and needs of students with disabilities. It introduces both formal and informal evaluation procedures used in special education settings. Students select and administer both formal and informal assessment instruments and use the data from these assessments for eligibility decision making, instructional planning, and progress monitoring. Limitations of assessment tools related to test bias and cultural and linguistic concerns are addressed in the areas of test selection, administration, and interpretation of test results. Technology that facilitates the assessment process is used throughout the course.

**EXC 4570 INDIV & CLASSROOM MANAGEMENT 3.0**

Individual and Classroom Management. Prerequisite: admission to BLD program. The course is designed to promote skill development in the use of empirically validated methodology on the formation of interventions and effective management strategies for individuals as well as groups across a variety of learning environments. Participants develop an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interactions, active engagement in learning, and self motivation. A case study approach is used to promote reflection, evaluation, synthesis, and application of principles learned.

**EXC 4580 INSTRUCTIONAL METHODS FOR BLD 3.0**

Instructional Methods for Students with Behavior Learning Disabilities. Prerequisite: admission to BLD program. This course focuses on the fundamental elements of design, implementation, and evaluation of individualized programs based on educationally relevant characteristics of students with mild behavioral and learning disabilities. Research based strategies and materials for instruction and technology use in the areas of reading, math, and written language are described and demonstrated with an emphasis on explicit teaching approaches.

**EXC 4590 FUNCTIONAL /SOCIAL METHODS BLD 3.0**

Functional and Social Methods for Students with Behavior Learning Disabilities. Prerequisite: admission to BLD program. This course focuses on the development, implementation, and evaluation of strategies and methods to promote the acquisition of critical functional life skills in students with mild disabilities. A major focus is the use of integrated thematic instruction which embeds functional skills in the content area. Adaptive behaviors and strong determination of students' success in various contexts are also included.

**EXC 4661 PRACTICUM I: CONSULTATIVE 3.0**

Practicum I: Special Education General Education: Consultative. Prerequisite: admission to BLD program; students must have tort liability insurance prior to working with students in a school setting. This fieldbased experience is the first of two required practica for students seeking initial licensure in special education general education curriculum: consultative. This practicum provides students with an opportunity to develop and practice skills in delivering instruction and assessment with students who have mild disabilities. The student completes the requirements for this practicum with a supervising teacher in a public school setting. The placement requires 1520 hours per week in classroom settings working with students with behavior learning disabilities. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**EXC 4671 PARTNERSHIPS/PRACTICUM II 3.0**

Educational Partnerships and Practicum II: Special Education General Curriculum: Consultative. Prerequisites: EPY 2050, EXC 4570, EXC 4580, EXC 4590, and EXC 4661. This is the second of two required practica for students preparing for initial licensure in special education general education curriculum: consultative. This course includes the study of family systems and parenting perspectives, effective communication, and models of collaboration. Students are placed in public school settings for the entire school day during the semester of their practicum. Various means of collaboration within the school setting are discussed as well as roles and responsibilities of school personnel in consultation, collaboration, and teamwork during the required seminars. Learners demonstrate an understanding of the importance of collaboration in specific special education activities such as prereferral teams, assessment, IEP/ITP meetings, and consultation with general education teachers regarding strategies for working with students with disabilities.

**EXC 4810 DIRECTED READG & RESEARCHSPE 1.0 to 3.0**

Directed Reading and Research in Special Education. Prerequisite: consent of instructor. Students intensively study selected areas of special education, through special reading or conducting special projects depending on the needs of the student. Course may not be used to substitute for a course which is taught on a regular basis. (Repeatable).

**EXC 4960 SEMINAR IN SPECIAL EDUCATION 1.0 to 3.0**

Seminar in Special Education. Prerequisite: consent of the instructor. This course provides an opportunity for students to intensively analyze research in the area of theory and practice and the literature on current issues, trends, and functions of special education.

**FI = FINANCE****FI 3010 CONSUMER FINANCE 3.0**

Consumer Finance. Prerequisites: None. Requires a 2.5 GSU GPA and 45 semester hours. (This course may not be counted for degree credit by students seeking the B.B.A. degree.) This is a survey course in consumer and personal finance. Topics include goal setting, budgeting, purchasing, and insurance/investment analysis. The course is "practical" as opposed to "theoretical" in

content and is presented from the consumer's point of view. The purpose of the course is to allow students to learn to apply finance decision techniques to everyday life.

**FI 3300 CORPORATION FINANCE 3.0**

Corporation Finance. Prerequisites: Acct 2101, Acct 2102, Econ 2106. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. B.B.A. students may not register for this course until Econ 2105, Econ 2106, and Acct 2102 are passed with degree credit. This is an introductory course in the financial management of nonfinancial corporations and the role of interest rates and capital markets in the economy. Topics include the structure and analysis of financial statements, time value of money calculations (using financial calculators), stock and bond valuation, financial forecasting, valuation of incomeproducing physical assets, determination of the cost of capital and the profitability of proposed investments in fixed assets, riskreturn tradeoffs that must be considered in using financial leverage, and methods used in obtaining funds from the various capital markets. This course is taught mainly through lectures and class discussions of textual materials and problems.

**FI 4000 FUNDAMENTALS OF VALUATION 6.0**

Fundamentals of Valuation. Prerequisites: Fi 3300, Math 1070. Bcom 3950. CSP: 1, 2, 6. Requires a 2.5 GSU GPA. This course develops core competencies that all finance majors should possess. Topics include foreign exchange markets, interest rate risk, term structure theory, introductory option pricing, future markets, valuation, and modern portfolio theory. Quantitative methods examined in conjunction with each topic.

**FI 4020 FI ANALYS/INTRO LOAN STRU 3.0**

Financial Analysis and Introduction to Loan Structuring. Prerequisites: Fi 3300, CSP: 1,2,6. Requires a 2.5 GSU GPA and 45 semester hours. Students intensively examine financial statements and business characteristics to learn the information content of financial statements. Applications focus on how they can be used to identify the pattern of funds need for a business and the best financing vehicle to meet that need. The primary tools of analysis are financial statement construction, cash flow statements, financial ratios, commonsized statements, cash budgets, proforma statements, sustainable growth rates, and costvolume profit analysis. Students evaluate the needs of a variety of companies that differ with respect to type, industry, profitability, growth, seasonality, cyclicity, and degree of distress. The primary teaching method is case analysis, and a significant course objective is development of communication skills.

**FI 4040 FOUNDATIONS INTERNAT'L FI 3.0**

Foundations in International Finance. Prerequisites: Fi 4000. CSP: 1,2,6. Requires a 2.5 GSU GPA and 45 semester hours. This course exposes students to foreign exchange risk and develops their understanding of institutional realities encountered by the financial manager in a global economic environment. Activities of currency arbitrage, hedging, and speculation are examined in light of exchange rate regimes, eurocurrency markets, the balance of payments, mechanics of foreign exchange conditions in international finance, and international trade activities.

**FI 4200 INTRO DERIVATIVE MARKETS 3.0**

Introduction to Derivative Markets. Prerequisites: Fi 4000. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course introduces students to derivative instruments, which are contracts whose values derive from prices of underlying assets and goods such as equities, currencies, debt, and commodities. The main focus is on the valuation and application of the principal derivative building blocks including futures and forward contracts, options, and swaps. Coverage is given to the market structure and to how these products are specifically used by corporations and financial institutions for controlling financial market risks. The course keeps abreast of global developments and new product innovations.

**FI 4240 GLOBAL PORTFOLIO MGT 3.0**

Global Portfolio Management. Prerequisite: Fi 4000. CSP: 1,2,6. Requires a 2.5 GSU GPA and 45 semester hours. Using Fi 4000 as a base, this course explores the practical aspects of investment valuation and portfolio management in a global framework. The focus is on market microstructure, framework, bondequityportfolio management, and overall asset allocation. Practical aspects of portolio manage ment are introduced through lectures and class discussions of journal articles and of cases.

**FI 4300 ADV CORPORATE FINANCE 3.0**

Advanced Corporate Finance. Prerequisite: Fi 4000. CSP: 1, 2, 4, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course develops a framework for analyzing corporate investment and financial decisions facing financial managers and introduces students to the tools to make such decisions. Students are introduced to the central issues in capital structure and dividend policy decisions and the interaction between financing and investment decisions. Techniques are introduced for evaluating strategic investments in technology, mergers and acquisitions, corporate restruc turings and research and development. They also form the basis for the valuation of firms in traditional and newtechnology industries and security offerings such as initial public offerings. A variety of pedagogical vehicles are used including problem solving, case studies, lectures, and group projects.

**FI 4320 CASES & READ IN CORP FI 3.0**

Cases and Readings in Corporate Finance. Prerequisite: Fi 4000. CSP: 1, 2, 4, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on financial policymaking and practical applications of the topics covered in Fi 4300 through case analyses, complementary contemporary readings, and problem solving. The course also provides an oppor tunity for the study of additional topics of special current significance. These additional topics include the joint impact of financing and investment decisions on firm value, and some or all of the following: capital raising, corporate control, risk management, international capital budgeting and financing, project finance, reorganizations, and advanced equity valuation. These additional topics are also covered in the same applicationsoriented style.

**FI 4389 DIR READ IN FINANCE 1.0 to 3.0**

Directed Readings in Finance. Prerequisites: Fi 4000, consent of instructor.

**FI 4391 FIELD STUDIES IN FINANCE 1.0 to 3.0**

Field Studies in Finance. Prerequisite: Fi 4000 and consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. The field study is a supervised, businesssite learning experience that provides students the opportunity to learn and apply finance skills in a professional setting. Participating students are expected to perform business related tasks for a designated number of hours each week, to attend educational lectures and seminars, and to submit assignments, projects and term papers. Participating students will be selected through a competitive review. May be taken more than once, but only three credits may be applied toward major requirements.

**FI 4400 FIN MGT OF FIN SER FIRMS 3.0**

Financial Management of Financial Services Firms. Prerequisite: Fi 4000. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course examines the major financial management issues confronting depository financial service firms (commercial banks and bank holding companies, savings organizations, credit unions). Specific topics include the economics of intermediation; forces affecting change; legal/regulatory influences; profitability analysis; and management of various risk areas such as interest rate risk, liquidity risk, and capital management. One area not covered is loan analysis since the topic is treated in great depth in Fi 4020. Classroom instruction includes lecture, discussion, and cases.

**FI 4420 THE FINANCIAL SYSTEM 3.0**

The Financial System. Prerequisite: Fi 4000. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This is a macrofinance course, focusing on the broad issue of funds flows through the entire economy. The objective is to provide students with an understanding of the characteristics of the major financial markets and financial instruments, the identity and nature of the major players in those markets, the forces influencing how funds flow through the worldwide system, and the role of interest rates in the process. While the course does address the role of the Federal Reserve in the financial system, monetary theory and policy are not covered.

**FILM = FILM****FILM 1010 FILM AESTHETICS & ANALYSIS 3.0**

Film Aesthetics and Analysis. Introduction to the cinematic techniques and themes utilized by film directors from around the world. Lectures, screenings, and discussions.

**FILM 2700 HISTORY OF MOTION PICTURES 3.0**

History of the Motion Pictures. Historical and critical survey of the evolution of motion pictures as an art form and as a distinctive medium of communication. Lectures, screenings, and discussions.

**FILM 3000 LIGHTING DESIGN:THEATR/FILM/TV 4.0**

Lighting Design for Theatre, Film, and Television. Prerequisite: Film 1010 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Jour 3000 and Thea 3000.) Principles, processes, and aesthetics of lighting design for the theatre, film, and television. Lectures, discussions, and design practica aid students in the development of a lighting plot. Production crew work required.

**FILM 3300 DRAMATIC WRITING 3.0**

Dramatic Writing for Stage and Screen. Prerequisite: consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Thea 3300.) Basic principles of generating creative concepts, writing in dialogue form, dramatic structure, characterization, and using page formats for both play and screenplay. Students will write short pieces in both forms.

**FILM 4000 ACTING FOR THE CAMERA 4.0**

Acting for the Camera. Prerequisites: Film 1010 and 2700 with grades of C or higher, or equivalent. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Thea 4000.) Two lecture and two lab hours. Acting theory and practice related to film and television acting performance. Students must bear the cost of all materials and services required for the completion of class projects and assignments.

**FILM 4110 POSTPRODUCTION 4.0**

Postproduction. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Two lecture and two laboratory hours per week. Nonlinear editing processes and techniques with units focusing on visual montage, sound design, motion effects and graphics. (Special authorization required. See degree requirements).

**FILM 4120 PRODUCTION I 4.0**

Production I. Prerequisites: Film 1010 and 2700 with grades of C or higher. Minimum 3.0 institutional GPA required. Two lecture and two laboratory hours per week. Introduction to filmstyle, digital video production with an emphasis on story development, basic editing technique and dynamic camerawork as a means to develop directorial vision. Students will produce short fiction, nonfiction and experimental projects. (Special authorization required. See degree requirements).

**FILM 4125 COMMUNITYBASED MEDIA PROD 4.0**

CommunityBased Media Production. Prerequisite: Film 4110 and 4120 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Two lecture and two lab hours. Seminar combines service learning and advanced digital video production to preserve stories of overlooked local communities. (Special authorization required. See degree requirements).

**FILM 4130 PRODUCTION II 4.0**

Production II. Prerequisites: Film 4110 and 4120 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Two lecture and two laboratory hours per week. Advanced course in filmstyle, digital video and/or film production with additional focus on advanced story development, directing, lighting and sound. Students will preproduce, produce and/or postproduce fiction, nonfiction and/or experimental projects. (Special authorization required. See degree requirements).

**FILM 4170 AMERICAN FILM HISTORY I 4.0**

American Film History I. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Discussion of the structural, aesthetic, and social factors that shaped American film from its inception through the classic studio period.

**FILM 4180 INTERNATIONAL CINEMAS 4.0**

International Cinemas. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. An examination of a specific major international film industry or movement and its contributions to world cinema. Films will be studied in their immediate cultural and larger historical and critical contexts. May be repeated once if topic varies.

**FILM 4210 CRITICAL HISTORY OF TV 4.0**

Critical History of Television. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. History of television and its origins in radio, focusing on the medium as a technology, an industry, a site of gender and racial representation, a component of American social history, and a cultural forum.

**FILM 4240 DOCUMENTARY FILM 4.0**

Documentary Film. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. The history of nonfiction film and production.

**FILM 4250 PRODUCING FOR TV & FILM 3.0**

Producing for Television and Film. Prerequisite: Film 2700 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Role of the producer in television and film. Refinement of skills in developing program ideas, supervising production, and financing projects.

**FILM 4260 FILM AND LITERATURE 4.0**

Film and Literature. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Interrelationships of American film and literature; consideration of relevant historical, intellectual, and cultural themes. Reading the literature and evaluating the film adaptations.

**FILM 4280 FILM GENRES 4.0**

Film Genres. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Study of genre theory as applied to specific genres such as western, melodrama, comedy, and detective film. May be repeated once if topic varies.



**FILM 4310 FEATURE SCREENWRITING I 3.0**

Feature Screenwriting I. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Principles of writing the fulllength screenplay for feature film. Preparation for and writing of the first half of the screenplay. The second half will be completed in the sequence course, Film 4320: Feature Screenwriting II.

**FILM 4320 FEATURE SCREENWR II 3.0**

Feature Screenwriting II. Prerequisite: Film 4310 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Principles of writing the fulllength screenplay for feature film, including contest competitions and marketing. Writing and revising the second half of the screenplay begun in Film 4310: Feature Screenwriting I.

**FILM 4350 FILM AND HISTORY 4.0**

Film and History. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. (Same as Hist 4350.) Explores multiple interactions between cinema and the past; how film produces history and how history can be examined through film.

**FILM 4750 FILM THEORY AND CRITICISM 4.0**

Film Theory and Criticism. Prerequisites: Film 1010 and 2700 with grades of C or higher Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Film form and techniques; theoretical and critical writing about film; screenings.

**FILM 4760 AFRICANAMERICANS IN FILM 4.0**

African Americans in Film. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. (Same as AAS 4900.) Mainstream Hollywood representation of AfricanAmericans and the alternative film portrayals by AfricanAmerican producers.

**FILM 4765 GENDER AND FILM 3.0**

Gender and Film. Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. (Same as WSt 4340.) Examines representations of gender in film and media from a variety of analytical perspectives as a way to understand social relations and cultural practices.

**FILM 4776 AFRICA AND HOLLYWOOD 4.0**

Africa and Hollywood: Myth, Romance, and Savage Imagery. Prerequisites: Film 1010 and 2700 with grades of C or higher Only students with an institutional GPA of 2.5 or higher are eligible to enroll. This course explores the image of Africa projected into American mass culture through the vehicle of commercial films produced about Africa. (For film majors.)

**FILM 4780 SPECIAL TOPICS 4.0**

Special Topics. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. May be repeated once if topic varies.

**FILM 4800 FILM AND MEDIA INDUSTRIES 3.0**

Film and Media Industries. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Technological, economic, historical, political, and social forces that shape the film, television, and media industries.

**FILM 4810 MEDIA AND POPULAR CULTURE 3.0**

Media and Popular Culture Prerequisites: Film 1010 and 2700 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. (For Film majors only.)(Same as Jour 4810.) Examination of mediated popular culture forms from a variety of analytical perspectives as a way to understand social structures and everyday practices. Emphasis on dominant cultural and subcultural readings of artifacts produced by the media.

**FILM 4840 COMPUTER GRAPHIC IMAGING 3.0**

Computer Graphic Imaging. Prerequisites: Film 1010 and 2700 with grades of C or higher Only students with an institutional GPA of 2.5 or higher are eligible to enroll. (Same as CSc 4840 and GrD 4840.) Modeling techniques include lofting, extrusion, surfaces of revolution, constructive solid geometry, procedural modeling, metaballs, and others. Image synthesis techniques include scanline graphics, ray tracing, and radiosity. Also covered are antialiasing, surface mapping, shadowing, lighting, and other relevant topics. (For film majors.)

**FILM 4841 COMPUTER ANIMATION 3.0**

Computer Animation. Prerequisites: Film 1010 and 2700 with grades of C or higher Only students with an institutional of 2.5 or higher are eligible to enroll. (Same as CSc 4841 and GrD 4841.) Threedimensional computer animation including classical animation techniques, cel animation, key framing, storyboarding, physicallybased modeling, character animation, lighting, camera placement and motion, motion blue, compositing, and other relevant topics. (For film majors.)

**FILM 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of instructor and Honors Program director. Readings and research preparatory to honors thesis or project.

**FILM 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Film 4870 with grade of C or higher and consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**FILM 4890 SPECIAL PROJECTS 3.0 to 9.0**

Special Projects. Prerequisites: Nine hours major credit and consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Individually designed project in the area of film utilizing oncampus and/or field resources. May be repeated for a maximum of nine hours.

**FILM 4960 AMERICAN FILM HISTORY II 4.0**

American Film History II. Prerequisites: Film 1010 and 2700 with grades of C or higher Only students with an institutional GPA of 2.5 or higher are eligible to enroll. American film from the postclassical period to the present. Discussion of the semiotics, aesthetics, economics and politics of Hollywood and independent cinema.

**FILM 4980 INTERNSHIP 1.0 to 6.0**

Internship. Prerequisite: eligibility criteria may be obtained from Department of Communication Internship Coordinator. Representative field experiences in film and video.

**FOLK = FOLKLORE****FOLK 3000 AMERICAN FOLKLORE 3.0**

American Folklore. Prerequisite: Engl 1102 or 1103 with grade of C or higher. Regional character of the United States, illustrated by a variety of folklore genres from each region, including legends, songs, customs, arts, and crafts.

**FOLK 3100 FOLKLORE AND LITERATURE 3.0**

Folklore and Literature. Prerequisite: Engl 1102 or 1103 with grade of C or higher. Literary aspects of folklore relevant to the English major, including oral literature genres (especially the folktale and ballad) and analysis of the uses of folklore in literary works.

**FOLK 4000 GEORGIA FOLKLIFE 3.0**

Georgia Folklife. Prerequisite: Engl 1102 or 1103 with grade of C or higher. EuropeanAmerican, AfricanAmerican, and Native

American traditions of the southeastern United States with concentration on Georgia, illustrated by materials from the Georgia Folklore Archives.

### **FOLK 4020 AMERICA'S FOLK CRAFTS 3.0**

America's Folk Crafts. Prerequisite: Engl 1102 or 1103 with grade of C or higher. Traditional hand skills of North American folkculture regions including folk arts, crafts, architecture, foodways and preindustrial technology, their Old World sources, and display in folk museums.

### **FOLK 4100 BRITISH FOLK CULTURE 3.0**

British Folk Culture. Prerequisite: Engl 1102 or 1103 with grade of C or higher. The oral, musical, customary, and material traditions of England, Scotland, and Wales, including their regional variation and reflection of major historical currents.

### **FOLK 4110 IRISH FOLK CULTURE 3.0**

Irish Folk Culture. Prerequisite: Engl 1102 or 1103 with grade of C or higher. Traditional culture from the Celts to the present, including saga literature, farmsteads and houses, music, singing, storytelling, and supernatural beliefs.

## **FORL = FOREIGN LANGUAGE**

### **FORL 2001 INTERMEDIATE WORLD LANG I 3.0**

Intermediate World Language I. Prerequisite: consultation with chair of Department of Modern and Classical Languages. Credit for intermediate proficiency in a language not currently offered in the Department of Modern and Classical Languages.

### **FORL 2002 INTERMEDIATE WRLD LANG II 3.0**

Intermediate World Language II. Prerequisite: consultation with chair of Department of Modern and Classical Languages. Credit for intermediate proficiency in a language not currently offered in the Department of Modern and Classical Languages.

### **FORL 2101 INTRODUCTION TO LANGUAGE 3.0**

Introduction to Language. (Same as AL 2101.) A nontechnical introduction to issues pertaining to language and languages, including language structure, first and second language acquisition, language variation (regional and social), and language change.

### **FORL 2102 LANGUAGES OF THE WORLD 3.0**

Languages of the World. (Same as AL 2102.) Survey of the world's languages and an introduction to the variety of linguistic phenomena found in different languages.

### **FORL 3021 INTRODUCTION TO LINGUISTICS 3.0**

Introduction to Linguistics. (Same as AL 3021.) An introduction to the major areas of linguistics: phonetics, phonology, morphology, syntax, semantics, historical linguistics, and sociolinguistics.

### **FORL 3022 FOUND SEC LANG TEACHING 3.0**

Foundations of Second Language Teaching. Introduction to theories of second language teaching. Topics covered include language acquisition, learner characteristics, learning styles and strategies, proficiency guidelines and standards, second language curricula at various levels, and lesson planning.

### **FORL 3031 LANGUAGE IN SOCIETY 3.0**

Language in Society. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as AL 3031.) Introduction to sociolinguistics, focusing on the ways in which language serves the needs of the individual and of society.

### **FORL 3041 SECOND LANGUAGE ACQUISITION 3.0**

Introduction to Second Language Acquisition. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as AL 3041.) Introduction to processes of acquiring a second (foreign or additional) language. Compares the experiences of young children, adolescents, and adult language learners.

### **FORL 4011 PHONETICS AND PHONOLOGY 3.0**

Phonetics and Phonology. Prerequisite: ForL 3021 or AL 3021 with grade of C or higher, or equivalent. (Same as AL 4011.) The description and classification of the sounds of human language; patterns of their occurrence and rules governing their use in various languages; emphasis on phonology in a generative framework.

### **FORL 4012 MORPHOLOGY AND SYNTAX 3.0**

Morphology and Syntax. Prerequisite: ForL 3021 or AL 3021 with grade of C or higher, or equivalent. (Same as AL 4012.) Introduction to the basic concepts of syntax, including work classes, constituents, case systems, word order, and grammatical relations. Emphasis on comparison of syntax of a wide variety of languages.

### **FORL 4025 MET/MATTCHGFOR LANG: P8 3.0**

Methods and Materials for Teaching Foreign Languages, P8. Knowledge of learner characteristics, foreign language curricula and standards, content reinforcement, unit and lesson planning, coordination of materials and technology, and techniques for effective lesson implementation for grade levels P8.

### **FORL 4026 MET/MATTCHFOR LANG:912 3.0**

Methods and Materials for Teaching Foreign Languages, 912. Knowledge of learner characteristics, foreign language curricula and standards, content reinforcement, unit and lesson planning, coordination of materials and technology, and techniques of effective lesson implementation for grade levels 912.

### **FORL 4027 MET/MATTEACHING LAT: P12 3.0**

Methods and Materials for Teaching Latin: P12. Methodologies for teaching Latin in P12; lesson planning, teaching culture, and classroom techniques; goals of a Latin curriculum year by year. Syntax and the natural method of reading Latin.

### **FORL 4030 PRAC IN FOR LANG EDUCATN 3.0**

(TE) Practicum in Foreign Language Education. Prerequisites: ForL 4025 or ForL 4026 with grade of C or higher, or equivalent. Observation, lesson planning, and supervised microteaching with a variety of instructional techniques in grades P8 and 912. Application of instructional and curricular theories; systemic analysis of decisionmaking processes in instruction.

### **FORL 4060 INTERNSHIP FL ED 12.0**

(TE) Internship in Foreign Language Education. Prerequisite: consent of instructor. Fulltime teaching in elementary, middle, or high school under the supervision of a university supervisor with guidance from an onsite mentor. For provisionally certified teachers.

### **FORL 4061 STU TEACH IN FOREIGN LANG 4.0**

(TE) Student Teaching in Foreign Languages. Prerequisites: completion of all other course in teacher education, and passing score on departmental language proficiency examination. Observation and teaching during the entire school day under the guidance of a selected classroom teacher.

### **FORL 4062 STU TEACH IN FOREIGN LANG 4.0**

(TE) Student Teaching in Foreign Language. Prerequisites: completion of all other courses in teacher education, and passing score on departmental language proficiency examination. Observation and teaching during the entire school day under the guidance of a selected classroom teacher.



**FORL 4063 STU TEACH IN FOREIGN LANG 4.0**

(TE) Student Teaching in Foreign Language. Prerequisites: completion of all other courses in teacher education, and passing score on the departmental language proficiency examination. Observation and teaching during the entire school day under the guidance of a selected classroom teacher.

**FORL 4111 SEMANTICS AND PRAGMATICS 3.0**

Semantics and Pragmatics in Linguistic Theory. Prerequisite: ForL 3021 or AL 3021 with grade of C or higher, or equivalent. (Same as AL 4111.) Broad range of topics in semantics, the study of how language communicates meaning, and in pragmatics, the study of how language is used to accomplish a speaker's intention.

**FORL 4121 HISTORICAL LINGUISTICS 3.0**

Historical Linguistics. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as AL 4121.) Comprehensive introduction to historical and comparative linguistics with a focus on causes and mechanisms of language change over time.

**FORL 4131 BILINGUALISM 3.0**

Bilingualism. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as AL 4131.) Comprehensive introduction to the phenomena, role, and function of bilingualism in the contemporary world with special emphasis on North America.

**FORL 4141 SPECIAL TOPICS 3.0**

Special Topics in Language Studies. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as AL 4141.) Topics vary according to instructor. May be repeated for a maximum of six credit hours.

**FORL 4151 CULTURE/LANGUAGE LEARNING 3.0**

Culture and Language Learning. Prerequisite: AL 3021 or ForL 3021 with grade of C or higher, or equivalent. (Same as AL 4151.) Introduction to the role of culture in second language learning. Topics include cultures of teachers, students, and language; cultural factors in second language writing, reading, speaking, and listening.

**FREN = FRENCH****FREN 1001 ELEMENTARY FRENCH I 3.0**

Elementary French I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of French.

**FREN 1002 ELEMENTARY FRENCH II 3.0**

Elementary French II. Prerequisite: Fren 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of French.

**FREN 1101 INTENSIVE ELEM FRENCH 6.0**

Intensive Elementary French. Intensive introduction to French, with emphasis on communicative competence, equivalent to Fren 1001 and 1002. Not open to native speakers of French.

**FREN 2001 INTERMEDIATE FRENCH I 3.0**

Intermediate French I. Prerequisite: Fren 1002 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills. Vocabulary expansion; further work with grammatical structures.

**FREN 2002 INTERMEDIATE FRENCH II 3.0**

Intermediate French II. Prerequisite: Fren 2001 with grade of C or higher, or equivalent. Continuing development of listening,

speaking, reading, and writing skills through the use of audio and video materials as well as literary and nonliterary texts.

**FREN 2101 INTENSIVE INTERM FRENCH 6.0**

Intensive Intermediate French. Prerequisite: Fren 1002 with grade of C or higher, or equivalent. Intensive exposure to intermediate French, with emphasis on communicative competence, equivalent to Fren 2001 and 2002.

**FREN 2212 FREN THEATER IN TRANSLATION 3.0**

The French Theater in Translation. Reading and discussion of representative works by major authors.

**FREN 2216 FRENCH NOVEL TRANSLATION 3.0**

French Novel in Translation. Readings and discussion of representative works by major authors.

**FREN 3010 FRENCH PRONUNCIATION 1.0**

French Pronunciation. Prerequisite: Fren 2001 with grade of C or higher, or equivalent. Basic rules of French pronunciation; introduction to phonetic transcription of French.

**FREN 3013 INTENSIVE GRAMMAR REVIEW 3.0**

Intensive Grammar Review. Prerequisite: Fren 2002 with grade of C or higher, or equivalent. Intensive review and indepth analysis of grammatical structures.

**FREN 3023 ADV CONVERSTN & COMPOSITN 3.0**

Advanced Conversation and Composition. Prerequisite: Fren 2002 with grade of C or higher, or equivalent. Development of oral fluency, vocabulary building, and practice in the patterns of idiomatic French; correct expression, style, and organization in expository writing.

**FREN 3033 INTR/ANALYSIS OF LIT TXTS 3.0**

Introduction to the Analysis of Literary Texts. Introduction to the analysis of literary texts in various genres, with emphasis on the continuing development of reading, writing, and speaking skills. University System of Georgia Study Abroad Programs.

**FREN 3396 STUDY ABROAD 3.0**

Study Abroad. French language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Programs.

**FREN 3397 STUDY ABROAD 3.0**

Study Abroad. French language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Programs.

**FREN 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**FREN 4033 FRENCH FOR INTL BUSNSS I 3.0**

French for International Business I. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Business vocabulary and correspondence. Protocol of business environment. Reading and analysis of commercial texts.

**FREN 4043 FRENCH FOR INTL BUSNSS II 3.0**

French for International Business II. Prerequisite: Fren 4033 with grade of C or higher, or consent of instructor. Readings in the foreign language of current materials related to business and trade structures, issues, and procedures.

**FREN 4053 ADV GRAMMAR & TRANSLATION 3.0**

Advanced Grammar and Translation. Prerequisites: Fren 3013, 3023,

and 3033 with grades of C or higher. Advanced grammar, expansion of vocabulary, and introduction to comparative stylistics through translation of both literary and nonliterary texts.

**FREN 4063 PRACTICUM IN FRENCH 3.0**

Practicum in French. Prerequisites: senior standing and consent of instructor. Directed work in special projects; field experience; internship.

**FREN 4103 HISTORY OF FRENCH CIVIL 3.0**

History of French Civilization. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Social, political, intellectual, and artistic developments from the Middle Ages through the nineteenth century.

**FREN 4123 CONTEMPORARY FRANCE 3.0**

Contemporary France. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Social, artistic, and intellectual developments as reflected in current French texts.

**FREN 4203 MED AND REN FRENCH LIT 3.0**

Medieval and Renaissance French Literature. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Early development of the principal literary forms in poetry and prose; influence of humanistic thought on major authors of the sixteenth century; special emphasis on Rabelais, the Pleiade, and Montaigne.

**FREN 4303 FR LIT CLASSICAL PERIOD 3.0**

French Literature of the Classical Period. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Representative readings by important authors in various genres.

**FREN 4403 FR LIT ENLIGHTENMENT 3.0**

French Literature of the Enlightenment. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Rise and development of the "philosophical" movement and of preromanticism. Representative readings by important authors in various genres.

**FREN 4414 SPECIAL TOPICS IN FRENCH LIT 3.0**

Special Topics in French Literature. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Study of particular authors, genres, schools, or topics not covered in regular courses. May be repeated if topics vary.

**FREN 4503 FR ROMANT/REALISM/SYMBOLISM 3.0**

French Romanticism, Realism, and Symbolism. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Principal trends of the nineteenth century. Representative readings by important authors in various genres.

**FREN 4613 FR LIT OF 20TH CENTURY I 3.0**

French Literature of the Twentieth Century I. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Major literary trends through 1945. Representative readings by important authors in various genres.

**FREN 4623 FR LIT OF 20TH CENTURY II 3.0**

French Literature of the Twentieth Century II. Prerequisites: Fren 3013, 3023, and 3033 with grades of C or higher. Major literary trends since 1945. Representative readings by major authors in various genres.

**FREN 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**FREN 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Fren 4870 with grade of C or

higher, consent of the instructor and Honors Program director. Writing or the production of honors thesis or project.

**FREN 4903 SENIOR STUDIES 3.0**

Senior Studies. Prerequisites: Senior standing, a 3.5 institutional GPA, and at least 15 hours of upperlevel courses in the major. Extensive reading, discussion, and analysis of a broad spectrum of representative works covering the most important genres and historical periods.

## **GEOG = GEOGRAPHY**

**GEOG 1101 INTRO TO HUMAN GEOGRAPHY 3.0**

Introduction to Human Geography. Introductory regional geography focusing on the ways in which cultural groups around the world utilize and modify their landscapes and environments.

**GEOG 1112 INTRO TO WEATHER & CLIMATE 4.0**

Introduction to Weather and Climate. Three lecture and two laboratory hours a week. Spatial processes governing weather and climate, and the relationship between climate systems and the distribution of vegetation types. Successful completion of Geography 1112 and 1113 satisfies natural sciences core requirement for nonscience majors.

**GEOG 1113 INTRODUCTION TO LANDFORMS 4.0**

Introduction to Landforms. Three lecture and two laboratory hours a week. Introduction to landforms, their origin, development, and spatial distribution. Successful completion of Geography 1112 and 1113 satisfies natural sciences core requirement for nonscience majors.

**GEOG 2206 INTRODUCTORY MAPPING & GIS 4.0**

Introductory Mapping and Geographic Information Science. Basic principles and methods of mapping and map use. Introduction to the field of geographic information science for the analysis and display of geographic data.

**GEOG 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisite: consent of instructor and Honors Program director. Discussion and readings on selected topics.

**GEOG 4097 TOPICS GEOGRAPHICAL SCIENCES 1.0 to 3.0**

Topics in Geographical Sciences. Prerequisite: consent of instructor. One to three lecture hours a week. Detailed presentation of a selected topic in geographical sciences. May be repeated for credit for a maximum of six credit hours if topic is different.

**GEOG 4400 GEOGRAPHY OF US & CANADA 3.0**

Geography of the United States and Canada. Topical and regional analysis of physical and cultural features of the United States and Canada.

**GEOG 4402 GEOGRAPHY OF AFRICA 3.0**

Geography of Africa. (Same as AAS 4400.) An overview of the physical, economic, and cultural geography of Africa, including North Africa. Emphasis on relationships between Africa's resources, both human and physical, and the development process.

**GEOG 4404 GEOGRAPHY OF EAST ASIA 4.0**

Geography of East Asia. Examination of physical and human geographic components of East Asian regional development, from Singapore through Korea. Topics include cultural framework, utilization of resources to support population growth and migration, environmental degradation, agricultural transformation, and urban impacts of rapid modernization.

**GEOG 4406 ADVANCED REGIONAL GEOGRAPHY 4.0**

Advanced Regional Geography. Intensive study of a particular area of the world; specific topic announced in semester schedule each time course is offered. May be repeated for credit if topic varies.

**GEOG 4408 GEOG MIDDLE EAST/NORTH AFRICA 4.0**

Geography of the Middle East and North Africa. (Same as MES 4310.) An examination of the physical and human geography of the Middle East, from Iran to Morocco. Emphasis is placed on forces that define and shape the Middle East today, including the peace process, water resource management, economic development, and the balance between religious and secular life.

**GEOG 4516 SCALE IN GEOGRAPHY 4.0**

Scale in Geography. Prerequisite: Geog 4520 with grade of C or higher, or consent of the instructor. Examination of spatial and temporal scale issues in the context of geographical research.

**GEOG 4518 DIGITAL CARTOGRAPHY 4.0**

Digital Cartography. Prerequisite: Geog 2206 with grade of C or higher. An introduction to the principles, methods, theory, and practices of contemporary digital cartography.

**GEOG 4520 QUANTITATIVE SPATIAL ANALYSIS 4.0**

Quantitative Spatial Analysis. Prerequisite: Math 1070 with grade of C or higher, or consent of instructor. Techniques of spatial analysis of geographic data; emphasis on sampling, measurements, and pattern analysis of points, lines, and areas on maps.

**GEOG 4526 AUTOMATED CARTOGRAPHIC PRODUCTION 3.0**

Automated Cartographic Production. Prerequisite: consent of instructor. Computergenerated maps with printer, plotter, and videographic output.

**GEOG 4530 INTRODUCTION TO REMOTE SENSING 4.0**

Introduction to Remote Sensing. Prerequisite: six hours of natural science laboratory sequence or consent of instructor. (Same as Geol 4530.) Three lecture and two laboratory hours per week. A survey of remote sensing technology, aerial photograph and satellite image interpretation and digital processing, and applications in engineering and environmental sciences.

**GEOG 4532 GEOGRAPHIC INFORMATION SYSTEMS 4.0**

Geographic Information Systems. Prerequisite: Geog 2206 or 4518 with grade of C or higher, or consent of instructor. Fundamental concepts and applications of raster and vector based GIS emphasizing analysis of digital spatial data through applied methods.

**GEOG 4533 INTRO TO GIS APPLICATIONS 4.0**

Introduction to GIS Applications. An introductory course on applications of GIS to realworld problem solving. Course includes an introduction to GIS software and applications of GIS in fields such as public health, resource management and urban planning. Includes an introduction to spatial analysis with GIS.

**GEOG 4534 ADVANCED GEOGRAPHIC INFO SYSTM 4.0**

Advanced Geographic Information Systems. Prerequisite: Geog 4532 with grade of C or higher, or consent of instructor. Advanced GIS concepts relating to spatial database creation and online distribution.

**GEOG 4536 INTERNET GIS & VISUALIZATION 4.0**

Internet GIS and Visualization. Prerequisite: Geog 4518 or 4532 with grade of C or higher, or consent of instructor. History, concepts, and applied methods of online GIS and geographic visualization. Includes an examination of applications of distributed mapping.

**GEOG 4550 FIELD SCHOOL IN GEOGRAPHY 4.0 to 8.0**

Field School in Geography Development of fieldwork skills in both physical and human geography, including project design, data collection, and analysis and presentation. Fieldwork projects are designed to aid in the development of future research projects, including senior papers, practicums, and theses. Extensive travel required.

**GEOG 4640 GEOMORPHOLOGY 4.0**

Geomorphology. Prerequisite: Geog 1113 or Geol 1122K with grade of C or higher, or consent of instructor. (Same as Geol 4640.) Three lecture hours and two laboratory hours a week. Classification and analysis of landforms using theoretical and quantitative approaches; emphasis upon surface processes in various environments.

**GEOG 4642 ADVANCED WEATHER & CLIMATE 4.0**

Advanced Weather and Climate. Prerequisite: Geog 1112 with grade of B or higher, or consent of instructor. Dynamic elements of weather and climate, systems of climate, classification and the regional distribution of climatic types; relationship between climatic systems and the distribution of soil and vegetation types.

**GEOG 4644 ENVIRONMENTAL CONSERVATION 4.0**

Environmental Conservation. Prerequisite: Geol 1121K, Geol 1122K, Geog 1112, or Geog 1113 with grade of B or higher, or consent of instructor. (Same as Geol 4644.) Social and policy perspectives of natural resource management; development of the American conservation movement, federal land policy, and significant environmental legislation; analysis of local and global environmental issues.

**GEOG 4646 WATER RESOURCE MANAGEMENT 4.0**

Water Resources Management. Prerequisite: Geog 1112, Geog 1113, or Geol 1112K, or consent of instructor. General characteristics of water resources; principles and methodology, planning procedures, political, socioeconomic, and legal aspects of water resources management.

**GEOG 4648 BIOGEOGRAPHY 4.0**

Biogeography. Prerequisites: Geog 1112 and Biol 1108K with grades of B or higher, or consent of instructor. Spatial variations, processes, and environmental constraints influencing the distribution of life.

**GEOG 4650 APPLIED HYDROLOGY 4.0**

Applied Hydrology. Prerequisite: Geog 1112, Geog 1113, or Geol 1112K with grade of C or higher, or consent of instructor. (Same as Geol 4650.) Three lecture and two laboratory hours per week. Applications of principles of hydrology to urban development, flood forecasting, agriculture and forestry, and water resources management; statistical and modeling techniques in hydrology.

**GEOG 4670 OCEANIC ENVIRONMENTS 3.0**

Introduction to Oceanic Environments. Prerequisites: Geol 1121K with grade of C or higher and completion of eight semester hours of laboratory science. (Same as Geol 4002.) Three lecture hours a week and one weekend field trip. Geological, chemical, physical, and biological aspects of oceanic environments; oceanographic field methods; role of the oceans in global change and environmental impacts of human activity.

**GEOG 4680 AQUEOUS GEOCHEMISTRY 4.0**

Aqueous Geochemistry. Prerequisites: Geol 1121K, Geol 1122K, Math 2212, and Chem 1212K with grades of C or higher. (Same as Geol 4003.) Four lecture hours a week. Theoretical aspects of aquatic chemistry with applications to natural water systems. Major topics include thermodynamic theory, sorption systematics, oxidation-reduction reactions, mineral-water interaction, and isotope geochemistry applied to hydrogeology.

**GEOG 4760 CULTURAL GEOGRAPHY 3.0**

Cultural Geography. Prerequisite: consent of instructor. Geographic factors underlying diffusion and analysis of distribution of material and nonmaterial culture elements.

**GEOG 4762 ECONOMIC GEOGRAPHY 4.0**

Economic Geography. Systematic examination of the changing world economic system including traditional and modern agriculture, manufacturing, and service activity in both developing and developed areas.

**GEOG 4764 URBAN GEOGRAPHY 4.0**

Urban Geography. Comparative study of the location, function, and internal spatial structure of urban areas. Special attention given to the impact of transportation, residential, commercial, and industrial activity on the changing form of cities and suburbs.

**GEOG 4766 URBAN TRANSPORTATION PLAN 4.0**

Urban Transportation Planning. Effect of automobiles, paratransit, and mass transit on the spatial structure of the city; transportation planning process.

**GEOG 4768 METROPOLITAN ATLANTA 3.0**

Metropolitan Atlanta. (Same as Hist 4320 and Soci 4279.) Interdisciplinary perspective focusing on social, historical, and geographic processes that have shaped the Atlanta region.

**GEOG 4772 GEOG OF URBAN & REGIONAL DVLPM 3.0**

Geography of Urban and Regional Development. Analysis of global capitalism's production of urban/regional economic activity configurations, driven by division of labor dynamics leading to the production of new cores, peripheries, and regional mosaics.

**GEOG 4774 CONTEMP URBAN THEORY & ISSUES 3.0**

Contemporary Urban Theory and Issues. An examination of urban geographical theory as a framework for understanding contemporary cities in the United States.

**GEOG 4776 LOCATION ANALYSIS 3.0**

Location Analysis. Relationship of economic restructuring processes and outcomes to the urban built environment. Topics include impact of industrial agglomeration as an example of investment patterns leading to construction of branch plants, amenity magnets, and downtown donuts.

**GEOG 4778 POLITICAL GEOGRAPHY 3.0**

Political Geography. The impact of geographical factors such as nationalism, the state and territory, ideology, and colonialism/imperialism on global political geography. Followed by a brief introduction to the political geography of the United States.

**GEOG 4780 ADVANCED SYSTEMATIC GEOGRAPHY 3.0**

Advanced Systematic Geography. Prerequisite: consent of instructor. Intensive study of thematic topics within geography; specific topic announced in schedule each time course is offered. May be repeated for credit if topic varies.

**GEOG 4782 ENVIRONMENTAL PSYCHOLOGY 3.0**

Environmental Psychology. Prerequisite: Psyc 1101 with grade of C or higher. (Same as Psyc 4520.) Introduction to environmental psychology focusing on the relations between individuals and their natural and built environments. Topics include cognitive mapping of physical space, stress, crowding, and the applications of psychology to alleviating environmental problems.

**GEOG 4784 CLIMATIC CHANGE 3.0**

Climatic Change. Prerequisite: Geog 1112 with grade of C or higher, or consent of instructor. An assessment of the understanding of many aspects of recent climatic change. The focus is

on how human activities can cause climatic change as well as how humans and ecosystems can be affected by those changes. Specific topics will include technical aspects of climatic observations and modeling, actual and potential impacts of climatic change on human and natural systems, and climatic change influences on public policy.

**GEOG 4790 THEMES IN GEOGRAPHIC EDUCATION 3.0**

Themes in Geographic Education. Geography content and teaching strategies focusing on the essential elements of geography with particular emphasis on the five themes of geography and national standards.

**GEOG 4830 SENIOR SEMINAR 4.0**

Senior Seminar. Prerequisites: Geog 4518 and Geog 4520 with grades of C or higher, senior status, or consent of instructor. Philosophical foundations of geography and traditional and contemporary research skills. Data acquisition and processing, analysis, writing, and presentation of research findings. May be taken more than once, but only four credits may be applied toward major requirements.

**GEOG 4832 GEOGRAPHY INTERNSHIP 3.0**

Geography Internship. Prerequisites: advanced standing, and approval of sponsoring faculty advisor and of department chair. Academic training and professional experience through shortterm internships at public or private agencies. Paper required. May be taken more than once, but only three credits may be applied toward major requirements.

**GEOG 4834 APPLIED RESEARCH IN GIS 1.0 to 3.0**

Applied Research in GIS. Applied GIS research that demonstrates the ability of the student to apply GIS knowledge to realworld situations.

**GEOG 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of instructor and the Honors Program director. Readings or research preparatory to honors thesis or project.

**GEOG 4880 HONORS THESIS: WRITING 3.0**

Honors Thesis: Writing. Prerequisites: Geog 4870 with grade of C or higher, and consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**GEOL = GEOLOGY****GEOL 1121K INTRODUCTORY GEOSCIENCES I 4.0**

Introductory Geosciences I. Three lecture and three laboratory hours a week. Broad view of the earth emphasizing internal processes including minerals, rocks and the rock cycle, the structure of the earth's interior, plate tectonics, earthquakes, and volcanism.

**GEOL 1122K INTRODUCTORY GEOSCIENCES II 4.0**

Introductory Geosciences II. Prerequisite: Geol 1121K. Three lecture and three laboratory hours a week. Broad view of the earth emphasizing external processes including sedimentary environments, the hydrological cycle, the origin of geological environments, geological dating methods, and an overview of the fossil record through geological time.

**GEOL 2001 GEOLOGIC RESOURCES&ENVIRONMENT 3.0**

Geologic Resources and the Environment. Three lecture hours a week. The origin, distribution, and consequences of consuming the Earth's resources (metallic, nonmetallic, soil, and groundwater). Topics include fossil fuels, nuclear energy, alternative energy sources, uses of minerals, waste disposal, and contaminants in the environment.



**GEOL 3001 CONCEPTS OF EARTH SCIENCE 4.0**

Concepts of Earth Science. Three lecture and two laboratory hours a week. Designed for elementary and middle school education majors. Not accepted as part of the requirement for a major or allied field in geology. An introduction to earth processes and materials stressing the operation of geologic systems over time.

**GEOL 3002 INTRO TO EARTH MATERIALS 4.0**

Introduction to Earth Materials. Prerequisite: Geol 1121K with grade of C or higher. Three lecture and three laboratory hours a week, plus field trips. Fundamentals of crystallography and mineralogy; classification, identification, and origin of the common rockforming minerals and rocks.

**GEOL 4002 OCEANOGRAPHY 3.0**

Oceanography. Prerequisites: Geol 1121K and Geol 1122K with grades of C or higher, or consent of instructor. Three lecture hours a week and one weekend field trip. Geological, chemical, physical, and biological aspects of oceanic environments; oceanographic field methods; role of the oceans in global change and environmental impacts of human activity.

**GEOL 4003 AQUEOUS GEOCHEMISTRY 4.0**

Aqueous Geochemistry. Prerequisites: Geol 1121K, Math 2212, and Chem 1212K. (Same as Geog 4680.) Four lecture hours a week. Theoretical aspects of aquatic chemistry with applications to natural water systems. Major topics include thermodynamic theory, sorption systematics, oxidation-reduction reactions, mineral-water interaction, and isotope geochemistry applied to hydrogeology.

**GEOL 4005 GEOLOGY OF GEORGIA 3.0**

Geology of Georgia. Prerequisite: Geol 1121K, or equivalent, or consent of instructor. One lecture hour a week. A minimum of five days in the field must be fulfilled to receive credit in the course. Before enrolling in the course, students should confirm in advance their availability on announced weekends. Nature, distribution, and significance of lithologies, structures, and ages of rocks in Georgia and other southeastern states. Geologic and tectonic history of the southern Appalachians, with emphasis on plate tectonic models. Critical discussion of the literature, with emphasis on notable controversies.

**GEOL 4006 SEDIMENTARY ENVIR&STRATIGRAPHY 4.0**

Sedimentary Environments and Stratigraphy. Prerequisite: Geol 3002 with grade of C or higher. Three lecture and three laboratory hours a week, plus field trips. Properties of sediments; origin, classification, and description of sedimentary rocks; principles of stratigraphy; analysis of sedimentary facies and environments of deposition.

**GEOL 4007 HYDROGEOLOGY 4.0**

Hydrogeology. Prerequisites: Geol 1122K and Math 2212. Four lecture hours a week. Overview of the principles of hydrogeology and their application, including the hydrological cycle, geology of groundwater occurrence, mathematical development of flow equations, surface-groundwater interaction, flow to wells, and advection-dispersion theory.

**GEOL 4008 ROCK FRACTURE AND FLUID FLOW 4.0**

Rock Fracture and Fluid Flow. Prerequisites: Geol 4013 and 4007. Four lecture hours a week. Formation and analysis of rock fracture and its relation to hydraulic properties of fractured rocks; physical characteristics and patterns of rock fracture; fundamental processes in rock fracture; detection methods; induced changes to fracture systems; case histories.

**GEOL 4011 PRINCIPLES OF PALEONTOLOGY 4.0**

Principles of Paleontology. Prerequisite: Geol 1122K with grade of C or higher. Two lecture and two laboratory hours a week. An introduction to the principles of paleontology by examination of the

fossil record, supplemented by study of selected examples of commonly preserved organisms. The use of fossils in paleoenvironmental reconstruction and biostratigraphic correlation will be stressed as well as morphology and systematics.

**GEOL 4012 ADV QUANTITATIVE HYDROGEOLOGY 3.0**

Advanced Quantitative Hydrogeology. Prerequisites: Geol 4007 and Math 2212. Three lecture hours a week. Quantitative modeling of groundwater flow, aquifer characterization, contaminant transport in the subsurface, and groundwater engineering. Computer applications in numerical groundwater modeling.

**GEOL 4013 STRUCTURAL GEOLOGY 4.0**

Structural Geology. Prerequisites: Geol 3002. Three lecture and three laboratory hours a week. Introduction to the principles of structural geology including theories and methods of analysis of stress, strain, rheology, fractures, folding, faulting, foliation, and lineation. The study of geologic maps and cross sections.

**GEOL 4015 CRYSTAL AND OPTICAL MINERALOGY 4.0**

Crystallography and Optical Mineralogy. Prerequisite: Geol 3002 with grade of C or higher. Three lecture and three laboratory hours a week. Principles of crystallography and optical mineralogy. Laboratory study of minerals using the polarizing microscope.

**GEOL 4016 IGNEOUS & METAMORPHIC PETROLOGY 4.0**

Igneous and Metamorphic Petrology. Prerequisite or corequisite: Geol 4015 with grade of C or higher. Three lecture and three laboratory hours a week. Nature, distribution, and origin of igneous and metamorphic rocks in relation to tectonic setting and experimental studies. Laboratory study of igneous and metamorphic rocks in hand specimen and thin section.

**GEOL 4017 ENVIRONMENTAL GEOLOGY 4.0**

Environmental Geology. Prerequisites: Geol 1121K and Chem 1211K. Four lecture hours per week. Application of geological and geochemical concepts to the study of Earth's near surface environment. Topics may include water supply and pollution, global warming, ozone depletion, soil contamination, natural disasters, mineral resources, environmental management, and selected regulations. Quantitative treatment of population growth and water resources.

**GEOL 4018 CARBONATE GEOLOGY 3.0**

Carbonate Geology. Prerequisites: Geol 1122K or consent of instructor. Three lecture hours a week. Offered with Geol 4019/6019 (Carbonate Geology Field Experience). Introduction to the carbonate system, including carbonate chemistry, rock classifications, and depositional environments. Reefs and reef ecology and regional carbonate geology (Georgia, Florida, the Bahamas) as well as changes in reefs through time, are also discussed.

**GEOL 4019 CARBONATE GEOLOGY FIELD EXPER 1.0**

Field Experience in Carbonate Geology. Corequisite: Geol 4018. Approximately weeklong field course in a carbonate environment (Bahamas or Florida Keys), nine hours a day (6 laboratory, 3 lecture) each day of trip. Course emphasizes modern depositional environments through field observations underwater and on land, and the link to Pleistocene geology. Must pass swim test, satisfy prerequisites, and receive permission of instructor to attend.

**GEOL 4042 ANALYTICAL METHODS 2.0**

Analytical Methods Prerequisite: Chem 1211 with a grade of C or higher. Math 2212 is recommended. Four laboratory hours per week. Principles and practical application of modern analytical methods in mineralogy, environmental geology, geochemistry, petrology, sedimentology, and related fields, using modern analytical techniques and instrumentation. Theory and methods of selected analytical applications tailored to student needs. Topics may

include mass spectrometry, laser ablation mass spectrometry, electron probe microanalysis, scanning electron microscopy, X-ray fluorescence, X-ray diffraction, atomic absorption, ion chromatography, and cathodoluminescence. Radiation safety training included. May be repeated, but only 2 credits will be applied towards the major.

#### **GEOL 4095 SEMINAR IN GEOLOGICAL SCIENCE 1.0**

Seminar in Geological Sciences. Prerequisite: at least 12 hours in geology. One lecture hour per week. Current research topics in geological sciences. May be repeated once.

#### **GEOL 4097 TOPICS IN GEOLOGICAL SCIENCES 1.0 to 3.0**

Topics in Geological Sciences. Prerequisite: consent of instructor. One to three lecture hours a week. Detailed presentation of a selected topic in geological sciences. May be repeated for credit for a maximum of six credit hours if topic is different.

#### **GEOL 4098 INDEPENDENT RESEARCH GEOLOGY 3.0**

Independent Research in Geological Sciences. Prerequisites: prior approval of a written program of the proposed work and consent of instructor. Six laboratory hours a week. It is normal for the research to span more than one semester.

#### **GEOL 4120 BASIC FIELD GEOLOGY 3.0**

Basic Field Geology. Prerequisite: Completion of a corecurriculum science sequence and consent of instructor. Nine hours a day, six days a week, for three weeks. Introduction to field geology in the Rocky Mountains of Montana, with emphasis on basic concepts and field methods. Construction of simple geologic maps, cross sections, and stratigraphic columns, using topographic maps and aerial photographs in the field. Includes a seven-day excursion to geologically interesting areas of the U.S. Northwest. Open to teachers and students majoring in Geography, Anthropology, Biology, Environmental Science, or others who are seeking a geological field experience.

#### **GEOL 4121 ADVANCED FIELD GEOLOGY 3.0**

Advanced Field Geology. Prerequisites: Geol 4006 and 4013 with grades of C or higher, Geol 4120 or concurrently, and consent of instructor. Nine hours a day, six days a week for three weeks. Intensive geologic mapping and interpretation in the Rocky Mountains of Montana, with particular emphasis on complexly deformed areas. Includes mapping in folded and faulted sedimentary rocks, intrusive and volcanic igneous rocks, and high-grade metamorphic basement terrain. Construction of multiple cross sections for complex structures and advanced interpretation of geologic history of complex areas. Involves extensive, rough, off-trail hiking.

#### **GEOL 4530 INTRODUCTION TO REMOTE SENSING 4.0**

Introduction to Remote Sensing. Prerequisite: Six hours of natural science laboratory sequence, or consent of instructor. (Same as Geog 4530.) Three lecture and two laboratory hours a week. A survey of remote sensing technology, aerial photograph and satellite image interpretation and digital processing, and applications in engineering and environmental sciences.

#### **GEOL 4640 GEOMORPHOLOGY 4.0**

Geomorphology. Prerequisite: Geog 1113 or Geol 1122K, or consent of instructor. (Same as Geog 4640.) Three lecture and two laboratory hours a week. Classification and analysis of land forms using theoretical and quantitative approaches. Emphasis upon surface processes in various environments.

#### **GEOL 4644 ENVIRONMENTAL CONSERVATION 4.0**

Environmental Conservation. Prerequisites: Geol 1122K, or Geog 1112 and 1113, or consent of instructor. (Same as Geog 4644.) Three lecture hours a week. Social and policy perspectives of natural resource management, development of the American

conservation, federal land policy, and significant environmental legislation; analysis of local and global environmental issues.

#### **GEOL 4650 APPLIED HYDROLOGY 4.0**

Applied Hydrology. Prerequisite: consent of instructor. (Same as Geog 4650.) Three lecture and two laboratory hours a week. Applications of principles of hydrology to urban development, flood forecasting, agriculture and forestry, and water resources management, statistical and modeling techniques in hydrology.

#### **GEOL 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis project.

#### **GEOL 4880 HONORS THESIS: WRITING 3.0**

Honors Thesis: Writing. Prerequisites: Geol 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

#### **GEOL 4920 ELEM SCIENC EDUCATION PARTNERS 1.0 to 2.0**

Elementary Science Education Partners. Prerequisites: science major and consent of ESEP coordinator. One lecture hour and three to six laboratory hours a week. Demonstrating hands-on science in the public elementary school classroom. May be repeated for a maximum of four credit hours.

## **GERO = GERONTOLOGY**

#### **GERO 4110 AGING POLICY AND SERVICES 3.0**

Aging Policy and Services. (Same as Soci 4110.) Aging policy, services and programs emphasizing legislation, funding, planning, the aging network, and the long-term care system.

#### **GERO 4116 AGING AND SOCIETY 3.0**

Aging and Society. (Same as Soci 4116 and WSt 4116.) An introduction to processes and problems of aging for individuals and society with a focus on social relationships, aging in families, caregiving, retirement, and age politics.

#### **GERO 4122 DEATH, DYING AND LOSS 3.0**

Death, Dying and Loss. (Same as Soci 4122.) The process of death and dying, including the social roles of the dying person, the family, and those of the hospital and institutional staff; the social factors influencing death; social functions of bereavement; and problems in coping created by medical technology and longevity.

#### **GERO 4200 HEALTH AND THE OLDER ADULT 3.0**

Health and the Older Adult. (Same as HHS 4200.) This course provides an introduction to physiological aging and the health status of older people and is designed for nonhealth professionals who work with older adults. Normal aging processes, age-related changes, and associated health promotion activities will be discussed. Information on the assessment and implications of alterations in functional health states, drug use, and referral sources are included.

#### **GERO 4475 COMMUNICATION AND AGING 3.0**

Communication and Aging. (Same as Spch 4475.) This course provides a broad overview of the ways in which communication affects, and is affected by, the aging process and introduces students to theory and research in the area of communication and aging.

#### **GERO 4500 ANTHROPOLOGY OF AGING 3.0**

Anthropology of Aging. (Same as Anth 4500.) Anthropological approach to the aging process in western and nonwestern societies.



**GERO 4610 PSYCHOLOGY OF AGING 3.0**

Psychology of Aging. (Same as Psyc 4610.) Psychological contributions to the understanding, prevention, and treatment of normal and abnormal changes of later life.

**GERO 4910 GERONTOLOGY INTERNSHIP 1.0 to 6.0**

Gerontology Internship. Prerequisite: grade of C or higher in all gerontology courses. A structured and supervised work experience in the field of aging designed to teach students about current issues of policy and practice and enhance their career development. In consultation with faculty and staff advisors, students plan the internship in accordance with their experience, areas of interest, and individual goals.

**GERO 4980 GERIATRIC NUTRITION 3.0**

Geriatric Nutrition. (Same as Nutr 4980.) Nutritional needs and food habits of the elderly population will be considered with special attention placed on the effect of various aspects of aging (biological, psychological, and social). These parameters will be explored as they relate to food intake and nutrient utilization in the elderly.

**GRD = GRAPHIC DESIGN****GRD 3000 INTRODUCTION TO GRAPHIC DESIGN 3.0**

Introduction to Graphic Design. Prerequisites: Art 1010, 1020, 1030, and 1040 with grades of C or higher, and consent of instructor. Introduction to concepts and practices of graphic design through combining of type and images; introduction to Macintoshbased graphics software; graphics presentation techniques.

**GRD 3150 INTRODUCTION TO TYPOGRAPHY 3.0**

Introduction to Typography. Prerequisites: Art 1010, 1020, 1030, and 1040 with grades of C or higher. Aesthetics and legibility of type through applied design. Specifying type, type terminology, type as compositional element, cultural considerations of type and image. Introduction to drawing and page layout software.

**GRD 3200 INTERMEDIATE GRAPHIC DESIGN 3.0**

Intermediate Graphic Design. Prerequisites: GrD 3000 with grade of C or higher. Continued development of conceptual and traditional/ digital media skills including art direction, imagemaking, and specialized problem areas.

**GRD 3300 ILLUSTRTN:CONCEPTS THRU IMAGES 3.0**

Illustration: Concepts through Images. Prerequisites: Art 1030, Art 1040, and two additional 1000level studio or art courses with grades of C or higher. Traditional and experimental illustrative techniques with nondigital media; applications to advertising, editorial design, corporate, collateral, and design specializations.

**GRD 3400 GRAPHIC DESIGN SURVEY 3.0**

Graphic Design Survey. Not for Graphic Design majors. Communicating effectively with type and images; creative problem solving; organizing information; using computers and traditional media to create print and digital graphics. Emphasizes integration with other disciplines.

**GRD 4000 SELECTED TOPICS:GRAPHIC DESIGN 3.0**

Selected Topics in Graphic Design. Prerequisite: consent of instructor. Special topics for Graphic Design art majors. May be repeated for a maximum of six credit hours.

**GRD 4020 ADVANCED TYPOGRAPHIC DESIGN 3.0**

Advanced Typographic Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design area coordinator or instructor. Advanced concepts in typographic design within a studio problemsolving format; advanced digital techniques, formal, and experimental applications of typography.

**GRD 4100 PRINT & EDITORIAL DESIGN 3.0**

Print and Editorial Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design area coordinator or instructor. Advanced editorial design concepts within a studio problemsolving format; print and electronic publishing applications, identity, and format design; art direction and imagemaking of material with issue orientation and/or controversial content.

**GRD 4150 COLLATERAL DESIGN:PRINT APPLS 3.0**

Collateral Design for Print Applications. Prerequisites: Art 1020, 1030, 1040, and GrD 3200 with grades of C or higher, or consent of instructor. Advanced graphic concepts in print collateral applications; annual report design; identity and logotype; brochures and mailers; original visual concepts through imagemaking; digital techniques; prepress and print production principles.

**GRD 4200 CORPORATE IDENTITY DESIGN 3.0**

Corporate Identity Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Advanced design concepts applied to corporate and/or institutional contexts; presented in studio problem solving format; logotype and identity design; design systems; print technology, strategic communications, and system applications.

**GRD 4250 GRAPHIC DESIGN IN POP CULTURE 3.0**

Graphic Design in Popular Culture. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Chronology of popular culture through graphic design from the late nineteenth through the twentieth century; presented in a studio problemsolving format; sociological and cultural impact of design and design technology.

**GRD 4300 INTERNSHIP IN GRAPHIC DESIGN 3.0**

Internship in Graphic Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Specialized field training allowing practical professional experience with major design firms, advertising agencies, and corporations.

**GRD 4310 MULTIMEDIA DESIGN 3.0**

Multimedia Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design area coordinator or instructor. Exploration of multimedia, interactive concepts, and nonlinear view editing technologies presented in studio problemsolving format; work on creative teams. Includes researchbased proposals, contextual meaning, and production scheduling.

**GRD 4350 GRAPHIC DESGN THRU ADVERTISING 3.0**

Graphic Design through Advertising. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Applications of graphic design in advertising in a studio problemsolving format; collaboration and art direction on creative teams; visual marketing concepts; campaign development, copywriting; development of presentation skills.

**GRD 4400 DESIGN FOR FILM & TV 3.0**

Design for Film and Television. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Design of motion graphics for film and broadcast applications; traditional and digital presentation techniques; demonstrations and/or practical experience on various broadcast and film systems; professional practices; contemporary use of typography and digital systems including audio.

**GRD 4450 PROF PRACTICE IN GRAPHIC DESGN 3.0**

Professional Practices in Graphic Design. Prerequisites: GrD 4200, 4250, and 4300 with grades of C or higher, or concurrently, or consent of instructor. Practical clientbased professional experiences arranged through the "Visual Design Project"; presentation techniques; implementation of projects through supervision of printing

process or appropriate media; principles unique to the business of graphic design.

#### **GRD 4500 DIRECTED STUDY IN GRAPHIC DES 3.0**

Directed Study in Graphic Design. Prerequisites: GrD 3200 with grade of C or higher, or consent of instructor. Directed study in subjects of student's specialized interests or through unique clientbased projects of the "Visual Design Project." May be repeated for a maximum of six credit hours.

#### **GRD 4550 SPEC APPLICTNS OF GRAPH DESIGN 3.0**

Specialized Applications of Graphic Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Specialized and alternative applications of graphic designs in a studio format; identity through packaging; point of purchase design; signage and display.

#### **GRD 4600 SENIOR WORKSHOP GRAPHIC DESIGN 3.0**

Senior Workshop in Graphic Design. Prerequisites: GrD 3200 with grade of C or higher, and consent of graphic design coordinator or instructor. Advanced exploration of multimedia including illustrative and photographic animation, interactivity, internet and intranet applications, and strategic communication. Professional practices in digital media.

#### **GRD 4840 COMPUTER GRAPHICS IMAGING. 3.0**

Computer Graphic Imaging. Prerequisites: Art 1030 and 1040 with grades of C or higher. (Same as CSc 4840 and Film 4840.) Modeling techniques include lofting, extrusion, surfaces of revolution, constructive solid geometry, procedural modeling, metaballs, and others. Image synthesis techniques include scanline graphics, ray tracing, and radiosity. Also covered are antialiasing, surface mapping, shadowing, lighting, and other relevant topics.

#### **GRD 4841 COMPUTER ANIMATION 3.0**

Computer Animation. Prerequisites: Art 1030, 1040, and GrD 4840 with grades of C or higher. (Same as CSc 4841 and Film 4841.) Threedimensional computer animation including classical animation techniques, cel animation, key framing, storyboarding, physically based modeling, character animation, lighting, camera placement and motion, motion blur, compositing, and other relevant topics.

#### **GRD 4910 HISTORY OF GRAPHIC DESIGN 4.0**

History of Graphic Design. Survey of aesthetic, cultural, and technological influences on written and printed media including sources of modern design.

#### **GRD 4950 GRAPHIC DESIGN PORTFOLIO 3.0**

Graphic Design Portfolio. Prerequisites: GrD 4350, 4400, and 4450 with grades of C or higher, or consent of instructor. Preparation of final professional portfolio; consolidation and revision of previous projects; addition of projects reflecting student's specialized interests; selfpromotion; presentation; interviewing; the language of graphic design in the context of the fine arts.

#### **GRD 4980 SPECIAL PROBLEMS 3.0**

Special Problems. Prerequisites: consent of instructor and of School director. Independent studies initiated by the student. May be repeated for a maximum of six credit hours.

### **GRKA = ANCIENT GREEK**

#### **GRKA 1001 ELEMENTARY ANCIENT GREEK I 3.0**

Elementary Ancient Greek I. Basic syntactical structures with particular emphasis on the verb. Reading of ancient Greek selections that illustrate the grammatical structures studied.

#### **GRKA 1002 ELEMENTARY ANCIENT GREEK II 3.0**

Elementary Ancient Greek II. Prerequisite: GrkA 1001 with grade of C or higher, or equivalent. Basic syntactical structures with particular emphasis on the verb. Reading of ancient Greek selections that illustrate the grammatical structures studied.

#### **GRKA 2001 INTERMEDIATE ANCIENT GREEK I 3.0**

Intermediate Ancient Greek I. Prerequisite: GrkA 1002 with grade of C or higher, or equivalent. This course will continue the study and mastery of Greek syntax, with emphasis on readings from ancient Greek authors of increasing difficulty.

#### **GRKA 2002 INTERMEDIATE ANCIENT GREEK II 3.0**

Intermediate Ancient Greek II. Prerequisite: GrkA 2001 with grade of C or higher, or equivalent. Rudiments of ancient Greek syntax; reading original passages from ancient Greek authors; the Lysis of Plato will be studied in depth; selections from The Apology of Plato.

### **GRKM = MODERN GREEK**

#### **GRKM 1001 ELEMENTARY MODERN GREEK I 3.0**

Elementary Modern Greek I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Greek.

#### **GRKM 1002 ELEMENTARY MODERN GREEK II 3.0**

Elementary Modern Greek II. Prerequisite: GrkM 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Greek.

#### **GRKM 2001 INTERMEDIATE MODERN GREEK I 3.0**

Intermediate Modern Greek I. Prerequisite: GrkM 1002 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Greek.

#### **GRKM 2002 INTERMEDIATE MODERN GREEK II 3.0**

Intermediate Modern Greek II. Prerequisite: GrkM 2001 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Greek.

### **GRMN = GERMAN**

#### **GRMN 1001 ELEMENTARY GERMAN I 3.0**

Elementary German I. Development of basic skills in listening, speaking, reading and writing; acquisition of grammatical structures. Not open to native speakers of German.

#### **GRMN 1002 ELEMENTARY GERMAN II 3.0**

Elementary German II Prerequisite: Grmn 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of German.

#### **GRMN 2001 INTERMEDIATE GERMAN I 3.0**

Intermediate German I. Prerequisite: Grmn 1002 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing skills. Vocabulary expansion; further work with grammatical structures.

#### **GRMN 2002 INTERMEDIATE GERMAN II 3.0**

Intermediate German II. Prerequisite: Grmn 2001 with grade of C or

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higher, or equivalent. Continued development of listening, speaking, reading, and writing skills. Vocabulary expansion; further work with grammatical structures.

### **GRMN 2216 GER LIT MSTPCS/19 C TRANS 3.0**

German Literary Masterpieces of the Nineteenth Century in Translation. Readings and discussion in English of selected prose, drama, and poetry of the period. This course complements related offerings in the departments of English and History.

### **GRMN 3151 GERMAN FOR READING 3.0**

German for Reading. Introductory course in reading German for translation. Development of reading and translation skills, with survey of grammar. Primarily for graduate students preparing for the Graduate Reading Exam. Does not satisfy any foreign language requirement. Does not count towards major or minor requirement in German.

### **GRMN 3301 ADVANCED GERMAN I 3.0**

Advanced German I. Prerequisite: Grmn 2002 with grade of C or higher, or equivalent. An advanced language skills course, designed to bring students to the level of "Zertifikat Deutsche als Fremdsprache." Emphasis on improvement of skills in the spoken language.

### **GRMN 3302 ADVANCED GERMAN II 3.0**

Advanced German II. Prerequisite: Grmn 3301 with grade of C or higher. As advanced language skills course, designed to bring students to the level of "Zertifikat Deutsche als Fremdsprache." Emphasis on improvement of skills in the spoken language.

### **GRMN 3311 INTRO READING GERMAN LIT I 3.0**

Introduction to Reading German Literature I. Prerequisite: Grmn 2002 with grade of C or higher. A bridge course designed to help students acquire the reading skills required to comprehend and analyze increasingly complex literary texts.

### **GRMN 3312 INTRO READING GERMAN LIT II 3.0**

Introduction to Reading German Literature II. Prerequisites: Grmn 2002 and 3311 with grades of C or higher. A bridge course designed to help students acquire the interpretive skills required to comprehend and analyze increasingly complex literary texts.

### **GRMN 3395 STUDY ABROAD 3.0**

Study Abroad. German language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Programs.

### **GRMN 3396 STUDY ABROAD 3.0**

Study Abroad. German language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Programs.

### **GRMN 3397 STUDY ABROAD 3.0**

Study Abroad. German language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Programs.

### **GRMN 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisite: consent of the instructor and Honors Program director. Discussion and reading on selected topics.

### **GRMN 4401 PHONETICS AND PHONOLOGY 3.0**

Phonetics and Phonology. Prerequisite: Grmn 3302 with grade of C or higher. Analysis of, and practice with, the sounds of standard German.

### **GRMN 4402 ADV GRAM:MORPHOL & SYNTAX 3.0**

Advanced Grammar: Morphology and Syntax. Prerequisite: Grmn 3302

with grade of C or higher. A review and analysis of the most difficult parts of German grammar for the advanced student.

### **GRMN 4411 SURVEY OF GERMAN LIT I 3.0**

Survey of German Literature I. Prerequisite: Grmn 3312 with grade of C or higher. A careful reading of selected texts representative of major writers and movements in German literature from approximately 1750 to present.

### **GRMN 4412 SURVEY OF GERMAN LIT II 3.0**

Survey of German Literature II. Prerequisites: Grmn 3312 and 4411 with grades of C or higher. A careful reading of selected texts representative of major writers and movements in German literature from approximately 1750 to present.

### **GRMN 4414 TOPICS IN GERMAN LIT 3.0**

Topics in German Literature. Prerequisite: Grmn 4411 or 4412 with grade of C or higher. Extended study of a single author, theme, or time in the history of German literature. May be repeated for credit if topic varies.

### **GRMN 4421 INTRO TO GER CIVILIZATION 3.0**

Introduction to German Civilization. Prerequisites: Grmn 3302 and 3312 with grades of C or higher. Social, philosophical, artistic, and literary movements and the individuals who have contributed to the formation of presentday Germany; further development of conversational skills.

### **GRMN 4422 CONTEMPORARY GERMANY 3.0**

Contemporary Germany. Social, political, and economic issues as reflected in current German texts.

### **GRMN 4431 GERMAN FOR INTL BUSNSS I 3.0**

German for International Business I. Prerequisites: Grmn 3302 and 3312 with grades of C or higher. Business vocabulary and correspondence. Protocol of business environment. Reading and analysis of commercial texts.

### **GRMN 4432 GERMAN FOR INTL BUSNSS II 3.0**

German for International Business II. Prerequisite: Grmn 4431 with grade of C or higher. Readings in the foreign language of current materials related to business and trade structures, issues, and procedures.

### **GRMN 4435 TECHNIQUES OF TRANSLATION 3.0**

Techniques of Translation. Expansion of vocabulary and introduction to comparative stylistics through translations, mainly from English into German, of both literary and nonliterary texts.

### **GRMN 4465 PRACTICUM IN GERMAN 3.0**

Practicum in German. Prerequisite: consent of instructor. Directed work in special project; field experience; internships.

### **GRMN 4490 SENIOR STUDIES 3.0**

Senior Studies. Prerequisites: senior standing, a 3.5 institutional GPA, and at least nine hours of upperlevel courses in GRMN. Extensive reading, discussion, and analysis of a broad spectrum of representative works, covering the most important genres and historical periods.

### **GRMN 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

### **GRMN 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Grmn 4870, and consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

## GSU = GSU NEW STUDENT ORIENTATION

### GSU 1010 NEW STUDENT ORIENTATION 3.0

New Student Orientation. Three lecture hours a week. Introduction to the academic life of the university; interdisciplinary study of urban Atlanta and the Georgia State community; introduction to the academic demands, learning resources, and rules and procedures of the institution.

### GSU 1050 SURVIVAL SKILLS FOR COLLEGE 3.0

Survival Skills for College. Two class hours and one lab hour per week. Designed to help students improve their academic skills to survive the college experience. Special attention will be given to the academic, social, family, work, career, and personal issues that affect students' success. This class is appropriate for students with less than a 2.0 cumulative Georgia State GPA. (Formerly AcF 1050.)

### GSU 1060 SURVIV SKILLS ACADEMIC SUCCESS 3.0

Intensive Survival Skills for Academic Success. Prerequisite: GSU 1050. Helps faltering students assess their difficulties, make decisions, set goals, develop a plan of action, and attain the skills necessary to achieve their goals. Special attention will be given to issues of motivation and effective interpersonal, academic, and study behaviors. Appropriate for students who have been placed on academic suspension. Individual attention and skill practice will be emphasized.

## HA = HEALTH ADMINISTRATION

### HA 3900 INTRO HEALTH CARE SYSTEM 3.0

Introduction to the U.S. Health Care System. Prerequisite: none. Requires a 2.5 GSU GPA and 45 semester hours. This course introduces and describes the health care system in the United States. Students learn how the system developed, how health care services in the U.S. are organized and financed, and the key problems facing the health care sector.

### HA 3910 HEALTH POLICY IN THE US 3.0

Health Policy in the United States: An Introduction. Prerequisite: none. Requires a 2.5 GSU GPA and 45 semester hours. This course introduces and describes health policy in the United States. Students learn about health policy at the federal, state, and local levels and how health policy is developed for hospitals, employers, HMOs, and other health services organizations. Key policy issues facing the health care sector are discussed.

### HA 3970 HEALTH INFO SYSTEMS 3.0

Health Information Systems. Prerequisites: None. Requires a 2.5 GSU GPA and 45 semester hours. CSP: None. The course provides a broad overview of the critical role of information systems in the health sector and its strategic importance to health management. While hardware, software, and Internet applications will be discussed, the focus is on the use of information systems throughout the whole health care sector, including health systems, hospitals, medical practices, and businesses. This course is appropriate for students interested in health informatics, computers, business, and health sciences.

### HA 4389 DIRECTED READINGS IN HA 1.0 to 3.0

Directed Readings in Health Administration. Prerequisite: consent of instructor.

## HADM = HOSPITALITY ADMINISTRATION

### HADM 3010 PERSPEC HOSPITALITY INDUS 3.0

Perspectives in the Hospitality Industry. Prerequisite: None. CSP: 1, 6.

Requires a 2.5 GSU GPA. and 45 semester hours. This course provides an overview of the historical evolution and development of the modern lodging, food service, travel and tourism, and other hospitality-related industries. Current situation and future trends of the hospitality enterprise system are examined in relation to career opportunities.

### HADM 3310 HOTEL MANAGEMENT 3.0

Hotel Management. Prerequisite: None. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to present an overview of the basic components of hotel operations; a historical view of the development of the hotel industry; and understanding of the functions of front and back of the house hotel operations; classifications of hotel products/services; and future trends in hotel development and operations.

### HADM 3350 MEETING & TRADESHOW MGT 3.0

Meeting and Trade Show Management. Prerequisite: None. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This is a survey course in meetings and trade show management which provides students with a broad overview of the basic structure of large meetings and trade show management. Subject matter includes the role of the corporate, association, and independent meeting planner. The course also includes an examination of trade show purposes, types of facilities, budgeting, contracting, scheduling, and organization structures. Industry trends, issues, and employment opportunities within the disciplines of meetings and trade shows are also covered.

### HADM 3401 FOOD PROD & SERVICE MGT 2.0

Principles of Food Production. (HAdm 3401 and HAdm 3402 replace HAdm 3400.) Prerequisite: None. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. Students must concurrently enroll in HAdm 3402, Food Production Lab. This is the lecture component of the introductory course in quantity food production. The principles of commercial and institutional food production, emphasizing the terminology, utensils, equipment, fundamental culinary procedures, sanitation and safety standards, standardized recipes, and recipe costing are covered.

### HADM 3402 FOOD PRODUCTION LAB 1.0

Food Production Lab. (HAdm 3401 and HAdm 3402 replace HAdm 3400.) Corequisite: HAdm 3401. Requires a 2.5 GSU GPA and 45 semester hours. Students must concurrently enroll in HAdm 3401 (2) lecture section. This is a hands-on food preparation lab where students will interact with and demonstrate the principles of quantity food production in a food production facility. Classes meet once a week for 14 weeks. Lab fee \$50.

### HADM 3420 RESTAURANT/FOODSERV MGT 3.0

Restaurant and Food Service Management. Prerequisite: None. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the history, organization, and development of modern food service concepts: industry demographics, impact of restaurants' location, menu design, business entities, franchising, service delivery systems, equipment selection, facility layout, and career demands. The food service industry includes not only commercial table service restaurants and fast food operations, but all public and private operations offering food service to a constituency that includes retail, contract feeding, military, education, health care, transportation, and recreation areas.

### HADM 3490 PRIVATE CLUB MANAGEMENT 3.0

Private Club Management. Prerequisite: None. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course explores the operation and management of private city, country, and athletic clubs. Topics include the general manager concept, organizational structure of clubs, board of directors, membership requirements, equity and nonequity clubs, tax-exempt clubs and nontax-exempt clubs, duties and responsibilities of department heads in



private clubs, governmental regulations, the future of clubs, and the relationship of private clubs to the hospitality industry.

**HADM 3500 BEVERAGE MANAGEMENT 3.0**

Beverage Management. Prerequisite: Students must be 21 years of age. Authorization of age is provided prior to registration. Requires a 2.5 GSU GPA and 45 semester hours. CPS: 1,2,6. The management of the purchasing, merchandising, control, pricing, cellar management and inventory control of wine is covered. Emphasis is given to management elements of wine purchasing and retail sales with a restaurant or hotel operations. Responsible alcohol consumption, legal liability and moral obligations pertaining to the sale and consumption of alcoholic beverages are covered. The course is designed to develop an appreciation of viticulture and oenology and instill a deeper knowledge of wines to pair with food. Wines are introduced in their historical context and viniculture and viticulture are explained. The course covers the world's twelve major grapes varieties country by country.

**HADM 3600 EXPOS,FAIRS ENTERTNMT MGT 3.0**

Expos, Fairs, and Entertainment Management. Prerequisite: None. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course is a survey course in expositions, fairs and entertainment management which provides students with a broad overview of the basic structure of expositions, fairs, and entertainment organizations. Subject matter includes expositions, fairs and entertainment purposes; types of facilities; management; organization; current industry trends/issues; and employment opportunities with special emphasis given to overall event management.

**HADM 3720 HOSPITALITY LAW 3.0**

Hospitality Law. Prerequisites: None. CPS: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course examines federal, state and local laws applicable to the operation of food and lodging enterprises. The student also studies innkeeper/guest relationship and liability issues impacting ownership, management, and employees. Bailment, agency, and contracts are presented in the context of hospitality enterprises.

**HADM 3750 HOSPITALITY HUMAN RES MGT 3.0**

Hospitality Human Resources Management. Prerequisite: None. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course investigates the study of organizational behavior, selection and placement of personnel, role of supervision, performance appraisal, wage and salary administration, employee motivation, communication and training as they pertain to the establishment of an effective employee relations program in hospitality businesses.

**HADM 3760 HOSPITALITY SERVICE MKTG 3.0**

Hospitality Service Marketing. Prerequisite: Mk 3010 or consent of instructor. Bcom 3950. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course provides an introduction to service marketing and its application to the hospitality industry, including the application of basic marketing concepts and research methods. The course will also cover the design and delivery of a marketing plan for a hospitality business.

**HADM 3800 HOSPITALITY QUALITY 3.0**

Hospitality Quality Management. Prerequisite: None. Requires a 2.5 GSU GPA and 45 semester hours. An examination of the issues and strategies of hospitality service where service is defined as, "a useful activity that does not produce a tangible product" but produces results for customers and, in some cases, actually changes customers; The concept of service and linkages to the functional areas of marketing, operations and human resources of hospitality businesses will be discussed. Different strategies for planning and implementing effective customer service will be covered including Six Sigma and utilizing Malcolm Baldrige Quality for Excellence criteria in a variety of hospitality settings including

hotels, restaurants, foodservice operations, convention/meeting facilities, venues and clubs.

**HADM 4100 COST CONT&HOSP FIN ANALYSIS 3.0**

Cost Controls and Hospitality Financial Analysis. Prerequisite: Fi 3300, HAdm 3401 and HAdm 3402 or consent of instructor. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. Internal systems for monitoring revenues and expenses, ratio analysis, breakeven, and closing point are presented as additional financial tools for the owner/manager. Other topics include labor costs analysis and scheduling techniques; the menu as a cost control and marketing tool; sales mix analysis; pricing theories and methodology; food and beverage purchasing; and inventory systems. The course also covers the Uniform System of Accounts for Restaurants and Small Hotels and Motels, financial reporting for operational analysis, and proforma development.

**HADM 4200 VENUE MANAGEMENT 3.0**

Venue and Facility Management. Prerequisite: None. CSP: 1,2,6. Requires a 2.5 GSU GPA and 45 semester hours. This course will focus on the principles and practices of facility and venue management. The course will provide an overview of managing a variety of venues including arenas, amphitheaters, auditoriums/theaters, convention centers, stadiums and special event facilities. Ownership and governance of facilities will be discussed including current funding approaches used in building and operating different types of venues. The major functional areas will be discussed in detail.

**HADM 4300 AVIATION MANAGEMENT 3.0**

Aviation Management. Prerequisite: None. CSP: 1,2,6. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to provide students with a foundation of information on airline management and airport management in what collectively will be referred to as "aviation management." The course will cover aviation history, laws and regulations impacting airlines and airports, security issues, technology including yield management principles applied to airline fares and career opportunities in this industry. Domestic and international airlines and airports will be covered.

**HADM 4389 DIR READ IN HOSP ADMIN 1.0 to 3.0**

Directed Readings in Hospitality Administration. Prerequisite: Consent of instructor.

**HADM 4400 AIRLINE MANAGEMENT 3.0**

Airline Management and Marketing. Prerequisite: None. Corequisite: HAdm 4300. CSP: 1,2,6. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on airline business and marketing strategies as tied to airline operations. Key airline functional areas such as airline forecasting, pricing, scheduling, fleet planning, human and labor relations and financing will be included. The interaction between airline operations, business planning and marketing strategies is explored. International aviation will be explored as it relates to airline business and marketing plans.

**HADM 4450 AIRPORT MANAGEMENT 3.0**

Airport Operations and Management. Prerequisite: None. Corequisite: HAdm 4300. CSP: 1.2.6. Requires a 2.5 GSU GPA and 45 semester hours. This course provides an overview of operations, management, planning and design of airports. It is designed to provide students with high-level familiarity with major parts of an airport. It also provides a context for understanding and expressing issues related to airports. Emphasis will be placed on understanding the management, operations and planning of an airport and economic constraints under which the industry operates.

**HADM 4800 STRATEGIC HADM MGT SEM 3.0**

Strategic Hospitality Management Seminar. Prerequisite: completion of 12 semester hours in required HAdm courses and all junior business core courses. Requires a 2.5 GSU GPA and 45 semester

hours. This course involves the integration and application of interdisciplinary management concepts, theories, and practices to hospitality enterprises. The course integrates academic and practical experiences in the analysis of current economic, political, and social issues impacting the formulation, implementation, and sustainment of strategic business plans in the hospitality industry. Analysis of the environments, opportunities and strategies peculiar to managing the strategy function in the hospitality industry will be covered.

**HADM 4900 WORK STUDY IN HOSPITALITY 0.0**

Work Study in Hospitality. Prerequisite: none. Requires a 2.5 GSU GPA and 45 semester hours. All hospitality majors, upon completion of 400 units of hospitality work experience and upon completion of the work study portfolio, must register for HAdm 4900. This course carries no hours credit, and there are no tuition fees involved. Grading is Satisfactory/Unsatisfactory based on successful completion of the workhour requirement and the portfolio which details work experiences and involves the students' selfcritique of their skills and knowledge in preparation for a career in the hospitality industry.

**HADM 4990 HOSP MGT PRACTICUM 1.0 to 3.0**

Hospitality Management Practicum. Prerequisite: Approval of school director. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to provide hospitality students an opportunity to gain management experience in the industry work environment prior to graduation. This course also provides structured and controlled training programs where students are given limited management authority and responsibility. Application must be made and approved a minimum of one term in advance of internship.

## **HBRB = BIBLICAL HEBREW**

**HBRB 1001 BEGINNING BIBLICAL HEBREW I 3.0**

Beginning Biblical Hebrew I. The course teaches the language of Hebrew utilized in the Bible; the student will achieve the ability to read and understand liturgy passages and be familiar with the noun/verb structure of original texts. Students do not need to know Modern Hebrew to take his course.

**HBRB 1002 BEGINNING BIBLICAL HEBREW II 3.0**

Beginning Biblical Hebrew II. Prerequisite: Hbrb 1101 with grade of C or higher, or equivalent. The course teaches the language of Hebrew utilized in the Bible; the student will achieve the ability to read and understand liturgy passages and be familiar with the noun/verb structure of original texts. Students do not need to know Modern Hebrew to take this course.

**HBRB 2001 INTERMEDIATE BIBLICAL HEBREW I 3.0**

Intermediate Biblical Hebrew I. Prerequisite: Hbrb 1002 with grade of C or higher, or consent of instructor. Continued exploration of more complex texts, including the Old Testament and Mishnah; further development of grammatical structures.

**HBRB 2002 INTERMED BIBLICAL HEBREW II 3.0**

Intermediate Biblical Hebrew II. Prerequisite: Hbrb 2001 with grade of C or higher, or consent of instructor. Continued exploration of more complex texts, including the Old Testament and Mishnah; further development of grammatical structures.

## **HBRM = MODERN HEBREW**

**HBRM 1001 ELEMENTARY MODERN HEBREW I 3.0**

Elementary Modern Hebrew I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Hebrew.

**HBRM 1002 ELEMENTARY MODERN HEBREW II 3.0**

Elementary Modern Hebrew II. Prerequisite: HbrM 1101 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Hebrew.

**HBRM 2001 INTERMEDIATE MODERN HEBREW I 3.0**

Intermediate Modern Hebrew I. Prerequisite: HbrM 1102 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills through use of audio and video materials as well as literary and nonliterary texts. Grammar review as needed. Not open to native speakers of Hebrew.

**HBRM 2002 INTERMEDIATE MODERN HEBREW II 3.0**

Intermediate Modern Hebrew II. Prerequisite: HbrM 2001 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills through use of audio and video materials as well as literary and nonliterary texts. Grammar review as needed. Not open to native speakers of Hebrew.

**HBRM 3081 MODERN ISRAELI FILM & FICTION 3.0**

Modern Israeli Film and Fiction. An introduction through film and fiction to the historical and social processes that shaped the emergence and development of Israeli culture since the foundation of the state in 1948 until the present. Taught in English. No knowledge of Hebrew required.

## **HHS = HEALTH AND HUMAN SCIENCES**

**HHS 2010 MED TERMINOLOGY FOR HEALTHCARE 3.0**

Medical Terminology for Healthcare. This course presents a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, abbreviations, and symbols are included in the content. Emphasis is placed on spelling, definition, usage and pronunciation. Open to all university students.

**HHS 3000 COMMUNICATION/CULT DIVERS 3.0**

Communication/Cultural Diversity. The purpose of this course is to establish good communication skills in both verbal and written form, to explore passive, aggressive, and assertive communication styles, and to understand the applicability of computers in facilitating and managing communications. The student also will develop an awareness and understanding of how human diversity influences ways in which individuals, families, groups, communities, and the larger society interface with service delivery systems. Issues related to ethics and confidentiality will be examined.

**HHS 3010 ADVANCED MEDICAL TERMINOLOGY 3.0**

Advanced Medical Terminology Prerequisite: HHS 2010. This course presents a study of advanced medical terminology Prefixes, suffixes, word roots, combining forms, abbreviations, and symbols are included in the content. Emphasis is placed on spelling, definition, usage and pronunciation.

**HHS 3400 SPANISH FOR HLTH & HUM SCI 3.0**

Spanish for Health and Human Sciences. The purpose of this course is to establish communication skills that can be used by health and human service practitioners in culturally diverse settings to assist Spanishspeaking clients. This course is designed for nonSpanish speaking students.

**HHS 3500 RESEARCH METHODS 3.0**

Research Methods: Concepts and Techniques. This course is designed to provide students with an introduction and overview to the major research concepts and techniques as applied to the health and human science professions. Emphasis will be placed on those areas of research design and statistics that will enable students to become critical consumers of the professional literature.



**HHS 3660 COMP & ALTERNATIVE THERAPIES 3.0**

Complementary and Alternative Therapies. This course provides students with information about Complementary and Alternative Therapies (CAT) including the applications of CAT in therapeutic situations. The curing medicine and therapeutic modalities addressed include Acupuncture and Acupressure, Traditional Chinese Medicine, Herbal Medicine, Energy Medicine, Ayurvedic Medicine, Body/Mind Therapy, Homeopathic Therapy, Massage and Touch Therapy, and Nutrition and Diet.

**HHS 3700 MED BIOCHEM PRINCIPLES 3.0**

Medical/Biochemical Principles. Prerequisite: organic chemistry or permission of the instructor. This course is an introduction to the chemical events occurring in the human body, with attention to the etiology and clinical manifestation of disease associated with certain metabolic errors.

**HHS 4200 HEALTH & THE OLDER ADULT 3.0**

Health and the Older Adult. This course provides an introduction to physiological aging and the health status of older people and is designed for nonhealth professionals who work with older adults. Normal aging process, age-related changes, and associated health promotion activities will be discussed. Information on the assessment and implications of alterations in functional health states, drug use, and referral sources are included.

**HHS 4270 SUBSTANCE ABUSE 3.0**

Substance Abuse. This course will provide students with an overview of the various classes of psychotropic drugs. Students will learn drugs affect mood and behavior, how drugs affect major organ systems in the body, and how genetic and social factors may predispose an individual to drug use.

**HHS 4300 HUM SEXUALITY HLTH CARE PROFNL 3.0**

Human Sexuality for Health Care Professionals. This course focuses on the many dimensions that shape the sexuality of both health care providers and their clients/ patients. It is based on the assumption that we are all sexual beings and that sexuality should be viewed in its totality with biological, spiritual, psychological, and social/cultural dimensions included.

**HHS 4400 GENETICS ACROSS LIFESPAN 3.0**

Genetics Across the Lifespan. This course focuses on the application of principles of genetics across the lifespan through multidisciplinary perspectives. Topics include the basic mechanisms of genetic inheritance, the genetic contribution to common and complex disorders, and the impact of genetics on health promotion, disease prevention and health care professionals responsibilities. Students will critically examine the social, ethical, legal, cultural, political and professional implication of the integration of genetics into health care.

**HHS 4500 HEALTH COMMUNICATION 3.0**

Health Communication This course will examine theories of interpersonal, organizational and mass communication relevant to the health field. Students will review strategies of persuasion, the relationship between attitude and behavior, and the changing nature of health and health delivery in the United States. Successful and unsuccessful health information campaigns will be evaluated.

**HIST = HISTORY****HIST 1111 SURVEY OF WORLD HIST TO 1500 3.0**

Survey of World History to 1500. A survey of world history to early modern times.

**HIST 1112 SUR OF WORLD HIST SINCE 1500 3.0**

Survey of World History since 1500. A survey of world history from early modern times to the present.

**HIST 1140 INTRO AFR & AFRAMER HISTORY 3.0**

Introduction to African and AfricanAmerican History. (Same as AAS 1140.) African history and culture, the coming of Africans to the Americas, and the development of AfricanAmerican culture.

**HIST 2110 SURVEY OF U.S. HISTORY 3.0**

Survey of United States History. A thematic survey of U.S. history to the present.

**HIST 2500 CONTEMPORARY WORLD HISTORY 3.0**

Contemporary World History. A study of political, economic, social, and cultural events and processes affecting the human community since 1945.

**HIST 3000 INTRO TO HISTORICAL STUDIES 4.0**

Introduction to Historical Studies. (History majors should take History 3000 as the first course among their upperdivision selections.) The nature of historical knowledge and analysis, historical resources in Atlantaarea research libraries and archives, and exercises in historical writing and thinking.

**HIST 3200 NORTH AMERICA BEFORE 1800 4.0**

North America before 1800. Development of Native American cultures before European contact; cultural interactions among Native Americans, Africans, and Europeans during conquest and colonization; emergence of United States of America as dominant economic and political force in North America.

**HIST 3210 U.S. IN THE 19TH CENTURY 4.0**

United States in the Nineteenth Century. Major developments in United States history from 1800 to 1900, including the growth of political parties and the changing role of the presidency; sectionalism and the Civil War and Reconstruction; immigration, economic expansion, and the American response to industrialization; changes in American social classes and American life.

**HIST 3220 U.S. IN THE 20TH CENTURY 4.0**

United States in the Twentieth Century. Major developments in the United States from 1900 to the present.

**HIST 3500 THE ANCIENT MEDITERRANEAN 4.0**

The Ancient Mediterranean. (Same as MES 3110.) Political, cultural, religious, economic, and social developments of the Ancient Near East, Greece, and Rome and their influence on Western Civilization.

**HIST 3510 MEDIEVAL EUROPE TO 1500 4.0**

Medieval Europe to 1500. Economic, social, cultural, institutional, intellectual, and artistic developments in Europe from the fourth to the fifteenth centuries.

**HIST 3520 EARLY MODERN EUROPE, 1500-1789 4.0**

Early Modern Europe, 1500-1789. Transition from medieval to modern Europe; special attention to the Northern Renaissance, the Protestant and Catholic Reformations; the emergence of a competitive state system; the evolution of nation states; gender roles and the preindustrial economy; and the conceptual revolution in science and philosophy.

**HIST 3530 EUROPE SINCE 1789 4.0**

Europe Since 1789. Society and politics since the age of enlightenment; special attention to revolution, reaction and reform; class, gender and industrial capitalism; imperialism and nationalism; democracy, fascism, and communism; economic integration: citizenship, immigration, and new social movements.

**HIST 3620 ATLANTIC WORLD 4.0**

The Atlantic World: Encounters, Empires, Diasporas, Revolutions. The Atlantic World as a space of crosscultural contact, empire and nationbuilding, diasporas, and revolutions since the fifteenth

century; transatlantic encounters in Africa, Europe, and the Americas; conquest, colonialism, and creolization; slavery, emancipation, and capitalism; indigenous survival, subaltern resistance, and popular religion; Atlantic world legacies in cultural and political identities.

**HIST 3700 CHINA AND JAPAN TO 1600 4.0**

China and Japan to 1600. Origins and development of two ancient civilizations, with emphasis upon traditional thought, cultures, institutions, and change.

**HIST 3710 CHINA AND JAPAN SINCE 1600 4.0**

China and Japan since 1600. East Asia in modern transformation from 1600 to the present, emphasizing prenineteenth century prosperity, nineteenth century crises, and twentieth century change.

**HIST 3720 COLONIAL LATIN AMERICA 4.0**

Colonial Latin America. Spain's and Portugal's conquests and settlements in the Western hemisphere; the organization and collapse of their colonial systems.

**HIST 3730 LATIN AMERICA SINCE 1810 4.0**

Latin America since 1810. Political, economic, and social developments of the major countries, such as Mexico, Argentina, Brazil, and Chile.

**HIST 3780 THE MIDDLE EAST, 600 TO 1800 4.0**

Middle East 600-1800. (Same as MES 4110.) Political, cultural, social, and economic developments in the lands from Spain to Central Asia since the rise of Islam.

**HIST 3790 THE MIDDLE EAST SINCE 1800 4.0**

The Middle East since 1800. (Same as MES 4120.) Political, cultural, social, and economic developments from Morocco to Iran, including imperialism, nationalism, independence, and religious revival.

**HIST 3800 SOUTH ASIA TO 1757 4.0**

South Asia to 1757. Political, cultural, social, and economic developments in the Indian subcontinent from prehistoric times to the era of British hegemony.

**HIST 3810 SOUTH ASIA SINCE 1757 4.0**

South Asia since 1757. Political, cultural, social, and economic developments; special attention to British imperialism, nationalism, Hindu-Muslim relations, independence and partition, and postindependence.

**HIST 4200 U.S. CULTURAL HISTORY 4.0**

United States Cultural History. Ways of life and patterns of thought among diverse groups as evidenced in imaginative literature, published discourse, and the performing and visual arts.

**HIST 4210 THE AMERICAN ECONOMY 3.0**

The American Economy. (Same as Econ 4680.) Development of the American economy with an emphasis upon the changing structure, institutional pattern, and performance of the system.

**HIST 4220 THE AMERICAN CITY 4.0**

The American City. Origins and growth of American cities from the colonial period to the present; economic, political, and cultural developments; the process of urbanization; and the influence of urbanism on the American experience.

**HIST 4225 IMMIGRATION IN US HISTORY 4.0**

Immigration and Ethnicity in U. S. History. (Same as Anth 4225.) The history of immigration and the creation of "ethnic" identity in the United States from European contact to the present. The course will explore the relationship between the changing economic, social, legal, cultural, and political conditions of immigration in different historical periods and will examine the ways in which

immigrant and nativeborn Americans have continuously renegotiated and evolved notions of ethnicity, race, and American citizenship.

**HIST 4228 ASIAN AMERICAN HISTORY 4.0**

Asian American History. Explores the Asian immigrant experience in the U.S. from the nineteenth century through the present.

**HIST 4230 FOREIGN RELATIONS OF US 4.0**

Foreign Relations of the United States. Legacy of the colonial era, problems of a new nation, expansion and evolution of America as a great power, New Deal diplomacy, the United States in World War II, the "Cold War," and the "American Empire."

**HIST 4235 HISTORIES OF THE PACIFIC 4.0**

Histories of the Pacific. Histories of the Pacific peoples and cultures from their early navigations and settlements to the colonial and postcolonial eras of the 19th and 20th centuries. We will develop an understanding of major themes in the historical analysis of Pacific History: migration and navigation of island peoples, crosscultural contacts, social organizations, ethnic diasporas, ecological and biological crises, integration into Western colonial and global capitalist economies, nationbuilding, struggles for sovereignty and identity, legacies of colonialism and tourism.

**HIST 4240 AMERICAN LABOR & WORKING CLASS 4.0**

American Labor and Working Class. Includes an examination of working class culture, labor and politics, trade union leadership, government and philosophy, and contemporary labor problems.

**HIST 4245 UNITED STATES IN THE 1960S 4.0**

The United States in the 1960s. A social and cultural history of the U.S. in the 1960s, with special attention to the civil rights, peace, and women's movements; the counterculture; race, gender, and electoral politics; the New Left and radical politics; the lasting influence of the 1960s on late 20th century U.S. politics and culture.

**HIST 4250 WOMEN IN AMERICA 4.0**

Women in America. (Same as WSt 4440.) Issues involving American women from the seventeenth century to the present. Topics include women's changing economic role, the family, religion, race and ethnicity, and the struggle for legal and political equality.

**HIST 4260 AFRICAN AMERICAN WOMEN 4.0**

African American Women. (Same as AAS 4660 and WSt 4450.) Examination of the varied history of African American women. Centered in the tradition of race and gender protest; how women have generationally developed agendas and forums around social justice reform; exploration of themes, individuals, and collective action, revealing the impact of race, class, and gender on the lives of African American women.

**HIST 4270 AFRICAN AMERICAN PEOPLE 4.0**

African American People. (Same as AAS 4640.) Major topics and themes in African American history, including slavery, development of American racism, urbanization, civil rights, and black contributions to American culture.

**HIST 4280 ENSLAVEMENT/RESIST: NORTH AMER 3.0**

Enslavement and Resistance in North America. (Same as AAS 4600.) Examines the character of chattel slavery and racial oppression in Colonial America and in the United States and insurgent responses to it by the captive and "free" population of African descent in North America.

**HIST 4290 ENSLAVEMENT IN THE AMERICAS 3.0**

Enslavement in the Americas. (Same as AAS 4620.) Comparative examination of systems of captivity and forced labor in the western hemisphere and the social development and popular responses

of captive Africans to these systems. Emphasis on the continuities of African culture and the unique adaptation of culture and social organization in each country. The nature of resistance and the process of eliminating the system of captivity.

**HIST 4300 THE AMERICAN SOUTH 4.0**

The American South. History of the South from the early nineteenth century to the present, emphasizing the changes in the region and important issues such as the growth of southern sectionalism in the 1820s and the impact of urbanization and civil rights in the twentieth century.

**HIST 4310 GEORGIA 4.0**

Georgia. History of Georgia from precolonial times to the present, including Native American cultures and strategies; colonization; Georgia in the new republic; slavery and antebellum development; Civil War and Reconstruction; the New South era; the civil rights movement; the emergence of modern Georgia. Of particular significance to teachers and prospective teachers in elementary and secondary education.

**HIST 4320 METROPOLITAN ATLANTA 3.0**

Metropolitan Atlanta. (Same as Geog 4768 and Soci 4279.) Interdisciplinary perspective focusing on social, historical, and geographic processes which have shaped the Atlanta region.

**HIST 4325 PUBLIC HISTORY & HIST PRESERV 3.0 to 4.0**

Introduction to Public History and Historic Preservation. This course is designed to provide the student with an understanding of the theory and practice of Public History and Historic Preservation. The course will cover a variety of topics including museum studies, material culture, the application of National Register criteria, historic interpretation, oral history, local history and preservation at the local, state and federal levels. The class will include field trips to areas sites, local museums and historic neighborhoods.

**HIST 4330 ORAL HISTORY 4.0**

Oral History. Comprehensive introduction to oral history, its evolution, methodological and theoretical concerns, interviewing techniques, and applications.

**HIST 4340 ADMN/USE OF HISTOR ARCHIVES 3.0**

Administration and Use of Historical Archives. Creation, preservation, and use of historical records which includes the study of archival principles and techniques; practical experience in the university and local, federal, and state archival depositories.

**HIST 4345 CASE STUDY INTERNATIONAL PRESERV 4.0**

Case Study in International Preservation. Study of preservation and conservation programs in foreign countries through lectures, readings and site visits. Comparison of preservation as it is practiced in foreign programs with the approach taken in the United States. Field trips abroad required.

**HIST 4350 FILM AND HISTORY 3.0**

Film and History. (Same as Film 4350.) Explores multiple interactions between cinema and the past, how film produces history, and how history can be examined through film.

**HIST 4490 TOPICS IN AMERICAN HISTORY 3.0 to 4.0**

Topics in American History. Advanced studies in American history; topics vary according to instructor. May be repeated if topic differs.

**HIST 4510 ANCIENT NEAR EASTERN SOCIETIES 4.0**

Origins and Collapse Ancient Near Eastern Societies. (Same as MES 4140.) History of Egypt, Mesopotamia, Iran, the Levant, Anatolia and Central Asia from 3500 BCE to 323 BCE. Areas of exploration will include the origins of the state; the development

of Egyptian and Mesopotamian kingship; the collapses of the Early and late Bronze Age; human environment interactions; nomads and settled societies; Mesopotamian literature; women's legal status; the Hittite Empire; daily life in an Egyptian village; the invention of the alphabet; Assyrian imperial terrorism; the rise of monotheism; the Persian empire.

**HIST 4520 ANCIENT PERSIA, GREECE, & ROME 4.0**

Ancient Persia, Greece, and Rome. (Same as MES 4150.) History of Persia, Greece, and Rome from 1800 BCE to 500 CE. Areas of exploration will include Bronze Age Greece in Near Eastern context; the 12th century BCE "Catastrophe"; Archaic Greek religion; the polis; Greek drinking parties and politics; the Persian conquest; the rise of Zoroastrianism; Hellenic syncretism; Parthia and Rome as the heirs of Hellenism; the metropolitan Roman empire; disease and demography in Late Antiquity; and the rise of Christianity.

**HIST 4525 WORLDS OF EASTERN CHRISTIANITY 4.0**

Worlds of Eastern Christianity (to 1300). (Same as MES 4130.) Transformation of the Jesus Movement from a Jewish sect into a separate Christian religion within the Near East, Africa, and entire Mediterranean world; contested views of spiritual authority; development of a network of bishops; idea of orthodoxy and heresy; gradual division of Eastern Christianity and Catholicism; the central role of the multi cultural Byzantine Commonwealth; implications of royal conversions and "churchstate" relations; unity and disunity within Eastern Christianity; encounters with Islam; and proliferation of "national churches," including those of the Greeks, Syrians, Armenians, Georgians, Copts, Ethiopians, and Slavic peoples.

**HIST 4530 REL & SOC IN EARLY MOD EUROPE 4.0**

Religion and Society in Early Modern Europe. Political, intellectual, cultural, scientific, religious, economic, and military developments in Europe from ca. 1300 to ca. 1650. The development of humanistic studies, of print culture, of religious revolt, of the "nationstate," and the importance of the "global discovery" revolution.

**HIST 4532 CRIME & LAW, EARLY MOD EUROPE 4.0**

Crime, Law and Society in Early Modern Europe. Social and cultural history of crime in early modern Europe. Topics include witchcraft and heresy, the criminalization of sexuality and sexual taboos, poverty and vagrancy, the construction and subversion of social and gender norms, political rebellion, court procedures, torture and methods of punishment.

**HIST 4535 SPAIN AND THE ATLANTIC WORLD 4.0**

Spain and The Atlantic World, 1450 to 1700. Culture and society of Spain and Spanish America, late Middle Ages to end of Habsburg dynasty. Social, political, economic, and cultural contacts and exchanges between the peninsula and the American colonies. Topics include conquest and colonization, heresy and the inquisition, slavery, women, and the royal court.

**HIST 4540 BRIT, IRE & BRIT ATL 14851689 4.0**

Britain, Ireland, and the British Atlantic, 1485-1689. Transition from medieval to modern England; special attention to the medieval constitution; the Tudor system of governance; religious innovation and conflict; society, gender and the preindustrial economy; the political and conceptual revolutions of the seventeenth century.

**HIST 4550 BRIT, IRE, & EMPIRE SINCE 1689 4.0**

Britain, Ireland, and the British Empire since 1689. The intertwined histories of Britain, Ireland, and the British Empire and Commonwealth since the late seventeenth century; ascendancy of a British imperial state and spread of a global empire; emergence of metropolitan, colonial, and diasporan identities; interplay of gender, class, and race; impact of decolonization and globalization.

**HIST 4560 FRANCE TO 1715 3.0**

France to 1715. The development of the political, religious, intellectual, legal, social, educational, military, agricultural, and commercial traditions of France, and the impact of its culture and civilization from ca. 400 to 1715.

**HIST 4570 FRANCE SINCE 1715 4.0**

France since 1715. The crisis of the old regime; revolution, restoration, and the search for a republican order; class, gender, and bourgeois society; nationalism, imperialism, fascism, and the world wars; decolonization; European economic integration, new social movements, and immigration.

**HIST 4580 MODERN GERMANY 4.0**

Modern Germany. Intellectual, social, economic, and political aspects of German nationstates since the age of enlightenment. Special attention to Prussian/Austrian rivalry; nationalism and revolutions of 1848; wars of unification; imperialism and industrialization; the world wars and fascism; impact of the Marshall Plan; 1990 Unification.

**HIST 4590 RUSSIA TO 1861 4.0**

Russia to 1861. Steppe nomads, Vikings, Kievans, Byzantines, and Mongols; the tribute collecting hierarchy; the Muscovite God and the Tsar; peasant society; emergence of Russia as a Eurasian power; "Westernization" and opposition to it; the Great Reforms.

**HIST 4600 RUS & SOV UNION SINCE 1861 4.0**

Russia and the Soviet Union Since 1861. The challenge of the West and governmental and social reform; populism, socialism, and peasant tradition; the 1917 and "Stalin" Revolutions; emergence of the Soviet Union as a world power and the challenge to the West; deStalinization, "Stagnation," and Perestroika; PostSoviet society.

**HIST 4610 MODERN EASTERN EUROPE 4.0**

Modern Eastern Europe. East Central Europe and the Balkans in the nineteenth and twentieth centuries; peasant society and urban reformers; nationalism and wars of national hatred; imperialism within Europe; socialism, capitalism, and other myths.

**HIST 4615 DEV OF MODERN WESTERN SCIENCE 4.0**

The Development of Modern Western Science. Examination of the histories of different scientific disciplines and thought, integrating transformations in the sciences with broader historical changes. Topics include the histories of scientific perception and scientific revolutions; mechanical explanations of nature and the development of the natural sciences; the science of race and gender; the development of neuroscience; comparisons to nonWestern science; criticisms of scientific discourses.

**HIST 4620 EUROPE: CULTURE AND IDEAS 4.0**

Europe: Culture and Ideas. Selected themes in European cultural and intellectual history; themes vary according to instructor.

**HIST 4622 POPULAR CULTURE IN EURO HIST 4.0**

Popular Culture in European History. Topics vary according to instructor, but may include folk cosmologies, peasant and plebeian forms of sociality and the rise of print and massmedia cultures. May be repeated for credit if topic varies.

**HIST 4640 THE HOLOCAUST 3.0**

The Holocaust. (Same as Soci 3228.) Historical and social analysis of the mass deprivation and murder of Jews and other people under the policies and auspices of National Socialist Germany, 1933-1945.

**HIST 4650 WOMEN IN EUROPE SINCE 1500 4.0**

Women in Europe since 1500. (Same as WSt 4650.) Methods and

theories of women's history; ideologies of gender and sexuality; women's experiences in religion, work, the family, politics, war, and revolution.

**HIST 4690 TOPICS IN EUROPEAN HISTORY 3.0 to 4.0**

Topics in European History. Advanced studies in European history; topics vary according to instructor. May be repeated if the topic differs.

**HIST 4740 LATIN AMERICAN REVOLUTIONS 4.0**

Latin American Revolutions. Sociopolitical and economic revolutions in Latin America with comparisons to other twentiethcentury revolutions.

**HIST 4750 EAST AFRICA & HORN OF AFRICA 4.0**

Eastern Africa and the Horn of Africa. (Same as AAS 4765.) Social, political, cultural, and economic history of the region from the origins of the human race to the present, including ancient civilizations; Judaism, Christianity, and Islam; international trade; European colonialism; and independence.

**HIST 4760 CENTRAL & SOUTHERN AFRICA 4.0**

Central and Southern Africa. (Same as AAS 4760.) Social, political, cultural, and economic history of the region from the earliest times to the present, including indigenous African civilizations, European colonialism, African nationalism, and independence.

**HIST 4770 WESTERN AFRICA 4.0**

Western Africa. (Same as AAS 4770.) Social, political, cultural, and economic history of Western Africa, dealing with the early civilizations, the coming of Islam, European colonialism, and independence.

**HIST 4772 WOMEN IN AFRICA 3.0**

Women in Africa. (Same as AAS 4772 and WSt 4772.) An examination of African women's roles in domestic production, their relationship to the state, and the effect of social change on women from the precolonial period to the contemporary era.

**HIST 4774 AFRICAN REBELLIONS 3.0**

African Rebellions. (Same as AAS 4774.) An examination of African resistance in the colonial and postcolonial contexts.

**HIST 4776 AFRICA AND HOLLYWOOD 4.0**

Africa and Hollywood: Myth, Romance, and Savage Imagery. This course explores the image of Africa projected into American mass culture through the vehicle of commercial films produced about Africa.

**HIST 4820 CROSSCULTURAL ENCOUNTERS 4.0**

CrossCultural Encounters in World History. Contexts, impulses, and implications of encounters among cultures/civilizations in world history; testing of theoretical models of crosscultural interplay with specific case studies (e.g., the diffusion of Buddhism along the Silk Roads, the Mongol integration of Eurasia, and the ecological dimension of European imperialism); emphasis on exchanges both before and after 1500 AD.

**HIST 4830 GLOBALIZATION (1400 1800) 4.0**

Globalization in the Early Modern World: Culture, Commerce and Power. Historical and anthropological exploration of economic globalization, culture, commerce, and power in the early modern world, 1400-1800. Topics include the emergence of global markets, commodity exchange, consumption and material culture, colonialism, slavery, the cultural meaning of money, piracy and black markets.

**HIST 4840 GLOBAL URBANIZATION 4.0**

History of Global Urbanization. Origins of urbanization, regional trends in urban change throughout the world, the construction of a



worldwide system of trade after the thirteenth century, the expansion of European cities and colonialism, the rise of the American city, trends in modern urbanization and globalization.

**HIST 4850 WRITING THE WORLD 4.0**

Writing the World: 20th Century Approaches to Large Scale History. Genesis and evolution of the study of world history with an emphasis on the period from World War I to the present. Examination of various largescale approaches and methodologies including civilizations, world systems, dependency analysis, migration, and crosscultural interactions. Emphasis on the inter and crossdisciplinary nature of the field.

**HIST 4855 THE GLOBAL LEFT 4.0**

The Global Left: Socialism, Feminism, Anticolonialism. Exploration of the global experience of the Left since the nineteenth century; emergence and interrelations of socialism, feminism, anticolonialism, and other popular movements; the Left in opposition and in power; cultures; identities, and traditions of the Left; legacies and prospects of antisystemic movements.

**HIST 4860 EMPIRES 4.0**

Empires. Exploration of the historical experience of empires; topics may include premodern and early modern empires in Africa, Asia, Europe, and the Americas; economics and politics of modern imperialism; interactions between metropole and colonies; gender, race, culture, and empire: anticolonialism, decolonization, and imperial legacies in a postcolonial world. May be repeated if topics vary.

**HIST 4870 HONORS THESIS: RESEARCH 3.0 to 4.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**HIST 4880 HONORS THESIS: WRITING 3.0 to 4.0**

Honors Thesis: Writing. Prerequisites: Hist 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**HIST 4890 TOPICS IN WORLD HISTORY 3.0 to 4.0**

Topics in World History. Advanced studies in the history of Africa, Asia, Latin America, or the Middle East; topics vary according to instructor. May be repeated if the topic differs.

**HIST 4900 WAR IN EUR & AMER SINCE 1500 4.0**

War in Europe and America since 1500. Warfare and military institutions as they relate to social, economic, political, and technological developments.

**HIST 4910 TOPICS IN WAR & SOCIETY 4.0**

Topics in War and Society. Selected themes in the history of war and society; topics vary according to the instructor. May be repeated if topic varies.

**HIST 4960 BRITISH AMERICAN CULTURE SEM I 3.0 to 4.0**

British American Culture Seminar I. Prerequisite: British and American Cultures Program concentration, or permission of English or History program advisor. (Same as Engl 3265.) Analyzes literary and historical themes from the perspectives of American and British authors, historical figures, and literatures. Offered by the English and History departments.

**HIST 4961 BRITISH AMERIC CULTURE SEM II 3.0 to 4.0**

British American Cultural Seminar II. Prerequisite: British and American Cultures Program concentration, or permission of English or History program advisor. (Same as Engl 3266.) Analyzes literary and historical themes from the perspectives of American and British authors, historical figures, and literatures. Offered by the English and History departments.

**HIST 4970 INDEPENDENT STUDY 4.0**

Independent Study. Prerequisites: Hist 3000 with grade of C or higher and at least five upperdivision history courses. Consent of the department is required for non majors. By invitation only. For history majors with a grade point average of 3.5 or better in major courses and all course work. No more than four credit hours may be applied toward the major. Satisfactory completion of the course entitles the student to graduate "with distinction in history."

**HIST 4980 INTERNSHIP 1.0 to 4.0**

Internship. Prerequisite: consent of department. Through a prescribed field experience, students are given the opportunity to apply knowledge, theory, and understanding gained from courses.

**HIST 4990 HISTORICAL RESEARCH 4.0**

Historical Research. Prerequisites: Hist 3000 with grade of C or higher and at least five upperdivision history courses. Varies in topic and theme. A specialist guides students in the design of individual research topics, the collection and analysis of evidence from primary sources, and composition of a coherent research paper with depth.

## HON = HONORS

**HON 1000 HONORS FRESHMAN SEMINAR 1.0**

Honors Freshman Seminar. Prerequisite: Admission to Honors Program. Intensive investigation of a special topic related to instructor's area of expertise.

**HON 2260 HONORS COLLOQUIUM 1.0 to 3.0**

Honors Colloquium. Prerequisite: consent of the Honors Program director. Presentation of various interdisciplinary topics in the humanities, the social sciences, the natural sciences, and business. May be repeated as readings vary.

**HON 3260 HONORS COLLOQUIUM 1.0 to 3.0**

Honors Colloquium. Prerequisite: consent of the Honors Program director. Presentation of various interdisciplinary topics in the humanities, the social sciences, the natural sciences, and business. May be repeated as readings vary.

**HON 3750 HONORS FORUM 1.0 to 3.0**

Honors Forum. Prerequisite: consent of Honors Program director. Readings from classics in the liberal arts supplemented by attendance at concerts, art museums and galleries, or theatrical performances. May be repeated as readings vary.

**HON 4000 HON: MULTICULTURAL DIVERSITY 1.0 to 6.0**

Honors Studies in Multicultural Diversity. Prerequisite: consent of Honors Program director. Onsite study of intellectual and cultural products of various societies. May be repeated as readings vary.

**HON 4870 HONORS THESIS: RESEARCH 1.0 to 6.0**

Honors Thesis: Research. Prerequisites: consent of instructor and the Honors Program director. Readings or research preparatory to honors thesis or project.

**HON 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Hon 4870, consent of instructor and Honors Program director. Writing or production of honors thesis or project.

## IB = INTERNATIONAL BUSINESS

**IB 3090 INTRO TO INTERNATL BUS 3.0**

Introduction to International Business. Prerequisite: Busa 3000, Econ 2105, and Econ 2106. Requires a 2.5 GSU GPA and 45

semester hours. The course is divided into three major parts. Part I covers the various dimensions of the international business field, including brief coverage of the major theories of international trade and investment. Part II deals with the environment in which international business operates, the financial variables including balance of payments, exchange rates, and capital markets along with the cultural, legal, political, and economic institutions with which international business firms may come into contact. Part III concentrates on the operational aspects of international business, the firm specific variables including marketing, finance, management, and accounting and attempts to integrate the environmental with the firmspecific variables into a meaningful conceptual framework.

#### **IB 4020 INTERNATL TRADE MGT 3.0**

International Trade Management. Prerequisite: BUSA 3000. Requires a 2.5 GSU GPA and 45 semester hours. This course covers basic international trade management. This includes the functions and responsibilities of export and import managers who are directly involved with planning and implementing international company policies designed to expand export/import activities. A secondary objective is to examine the public policy aspects of exporting and importing.

#### **IB 4389 DIR READ IN INTERNATL BUS 1.0 to 6.0**

Directed Readings in International Business. Prerequisite: consent of instructor.

#### **IB 4410 STUDY ABROAD:REG INTL BUS 3.0 to 6.0**

Study Abroad: Analysis of Regional International Business Practices. Prerequisite: IB 3090 or consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. This course involves an analysis of the different factors affecting the practice of business in different regions of the world. Historical background, current internal reforms and trends in open market economies, and the prevailing business climate in the country of focus are examined. An incountry experience is a required segment of the course. This course may be repeated for different world regions.

## **ID = INTERIOR DESIGN**

#### **ID 3000 ARCHITECTURAL DRAWING I 3.0**

Architectural Drawing I: Drafting. Prerequisites: Art 1020, 1030, 1040, AH 1700 and AH 1750 with grades of C or higher. Plan, elevation, section drawing including visualization, lettering, multiview paraline, and perspective projections are explored.

#### **ID 3100 ARCHITECTURAL DRAWING II 3.0**

Architectural Drawing II: Presentation. Prerequisite: ID 3000 with grade of C or higher, or consent of instructor. Pencil, ink, marker, and water media are investigated as techniques for interior delineation.

#### **ID 3300 INTERIOR DESIGN I: THEORY 3.0**

Interior Design I: Theory. Prerequisites: Art 1020, 1030, 1040, AH 1700, and AH 1750 with grades of C or higher. Study and exploration of principles of color and design of the interior environment.

#### **ID 3350 ID IV: MATERIALS 3.0**

Interior Design IV: Materials. Prerequisite: ID 3300 with grade of C or higher. General overview and introduction to interior materials, their specific properties, and appropriate applications.

#### **ID 3400 ID II: ELEMENTS OF ID 3.0**

Interior Design II: Elements of Interior Design. Prerequisites: Art 1020, 1030, 1040, AH 1700, and AH 1750 with grades of C or higher. Introduction to structural vs. surface design; exploring spatial generation and surface ornamentation as derivatives of

designers' attitudes and aesthetic convictions.

#### **ID 3500 INTERIOR DES III:SPATIAL ORG 3.0**

Interior Design III: Spatial Organization. Prerequisite: ID 3400 with grade of C or higher. Organizing objects in space using architectural dimension and human factors.

#### **ID 3600 BUILDING SYSTEMS & CODES 2.0**

Building Systems and Codes. Prerequisites: ID 3000, 3300, and 3400 with grades of C or higher. Comprehensive introduction to the basic elements of building construction, environmental building systems, and design and construction regulations.

#### **ID 4000 INTERIOR DES: SELECTED TOPICS 3.0**

Interior Design: Selected Topics. Prerequisites: ID 4210 and ID 4310 with grades of C or higher, or consent of instructor. Advanced studio problems for interior design majors. May be repeated for a maximum of six credit hours.

#### **ID 4100 LIGHTING DESIGN 2.0**

Lighting Design. Prerequisites: ID 3100, 3350, 3500, and 3600 with grades of C or higher. Comprehensive introduction to the application of effective lighting design to enhance and complement varied residential and nonresidential interior design solutions.

#### **ID 4200 RESIDENTIAL DESIGN I 3.0**

Residential Design I. Prerequisites: ID 3100, 3350, 3500, and 3600 with grades of C or higher. Design of residential interiors considering varied lifestyles, housing types, socioeconomic conditions, and life stages.

#### **ID 4210 RESIDENTIAL DESIGN II 3.0**

Residential Design II. Prerequisite: ID 4200 with grade of C or higher. Advanced studio problems in commercial interior design.

#### **ID 4250 ARCHITECTURAL DRAWING III 2.0**

Architectural Drawing III: ComputerAided Drafting and Design. Prerequisite: ID 3100 with grade of C or higher, or consent of instructor. An introduction to computeraided drafting and designing of interior spaces.

#### **ID 4300 COMMERCIAL DESIGN I 3.0**

Commercial Design I. Prerequisites: ID 3100, 3350, 3500, and 3600 with grades of C or higher. Program development, functional analysis, and design of commercial environments.

#### **ID 4310 COMMERCIAL DESIGN II 3.0**

Commercial Design II. Prerequisite: ID 4300 with grade of C or higher. Advanced studio problems in commercial interior design.

#### **ID 4350 ARCHITECTURAL DRAWING IV 2.0**

Architectural Drawing IV: ThreeDimensional ComputerAided Drafting and Design. Prerequisite: ID 4250 with grade of C or higher, or consent of instructor. An introduction to computeraided drafting techniques for creating threedimensional interior spaces.

#### **ID 4400 ARCHITECTURAL DRAWING V 3.0**

Architectural Drawing V: Working Drawings. Prerequisites: ID 4100, 4210, 4310, and 4350 with grades of C or higher, or consent of instructor. Drafting standards, including construction details and material specifications, required for contract documents.

#### **ID 4500 DIRECTED STUDY 3.0**

Directed Study. Prerequisites: ID 3100 and ID 3400 with grades of C or higher, or consent of instructor. Advanced investigations of varying architectural drawing methods, styles and technologies. May be repeated for a maximum of six credit hours.



## 400 Course Descriptions

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### **ID 4600 HISTORY OF INTERIOR DESIGN I 3.0**

History of Interior Design I: Antiquities to the Nineteenth Century. Prerequisites: Art 1010, 1020, 1030, 1040, AH 1700, and AH 1750 with grades of C or higher, or consent of instructor. Development of architecture, interiors, and the decorative arts.

### **ID 4700 HISTORY OF INTERIOR DESIGN II 3.0**

History of Interior Design II: Nineteenth Century to Present. Prerequisite: ID 4600 with grade of C or higher, or consent of instructor. Development of architecture, interiors, and the decorative arts.

### **ID 4800 PROFESSIONAL PRACTICE 2.0**

Professional Practice for Interior Designers. Prerequisites: ID 4210 and 4310 with grades of C or higher. Legal, marketing, office and project management, ethics, and personnel issues in the professional practice.

### **ID 4930 INTERIOR DESIGN INTERNSHIP 3.0**

Interior Design Internship. Prerequisites: ID 4210 and ID 4310 with grades of C or higher, and consent of the program director. Professional experiences in interior design or related fields. May be repeated for a maximum of six credit hours.

### **ID 4940 INTERIOR DESIGN PORTFOLIO I 2.0**

Interior Design Portfolio I. Prerequisites: ID 4210 and 4310 with grades of C or higher. Seniors year studio experiences for B.F.A. degree candidates. Extensive research and documentation required for final senior portfolio project. Committee review.

### **ID 4950 INTERIOR DESIGN PORTFOLIO II 3.0**

Interior Design Portfolio II. Prerequisite: ID 4940 with grade of C or higher. Culminating experiences for B.F.A. degree candidates. Committee review.

### **ID 4980 SPECIAL PROBLEMS 3.0**

Special Problems. Prerequisites: consent of instructor and of School director. Independent studies initiated by the student. May be repeated for a maximum of six credit hours.

## **IEP = INTENSIVE ENGLISH PROGRAM**

### **IEP 0410 ORAL FLUENCY I 3.0**

Oral Fluency I. Oral fluency for basic level nonnative speakers of English; focus on vocabulary, grammar, and communicative activities.

### **IEP 0420 ORAL FLUENCY II 3.0**

Oral Fluency II. Oral fluency for lowintermediate level nonnative speakers of English; focus on vocabulary, grammar, and communicative abilities.

### **IEP 0510 EXTENSIVE READING I 3.0**

Extensive Reading I. Extensive reading of academic and nonacademic literature for basic level nonnative speakers of English.

### **IEP 0520 EXTENSIVE READING II 3.0**

Extensive Reading II. Extensive reading of academic and nonacademic literature for lowintermediate level nonnative speakers of English.

### **IEP 0530 EXTENSIVE READING III 3.0**

Extensive Reading III. Extensive reading of academic and nonacademic literature for intermediate level nonnative speakers of English.

### **IEP 0540 EXTENSIVE READING IV 3.0**

Extensive Reading IV. Extensive reading of academic and nonacademic

literature for highintermediate level nonnative speakers of English.

### **IEP 0550 EXTENSIVE READING V 3.0**

Extensive Reading V. Extensive reading of academic and nonacademic literature for advanced level nonnative speakers of English.

### **IEP 0610 STRUCTURE AND WRITING I 6.0**

Introductory Structure and Writing I. English structure and writing for basic level nonnative speakers of English.

### **IEP 0620 STRUCTURE AND WRITING II 6.0**

Introductory Structure and Writing II. English structure and writing for lowintermediate level nonnative speakers of English.

### **IEP 0630 STRUCTURE AND COMPOSITION III 6.0**

Structure and Composition III. Applied English structure in extensive writing for intermediate level nonnative speakers of English.

### **IEP 0640 STRUCTURE AND COMPOSITION IV 6.0**

Structure and Composition IV. Applied English structure in extensive writing for highintermediate level nonnative speakers of English.

### **IEP 0650 STRUCTURE AND COMPOSITION V 6.0**

Structure and Composition V. Applied English structure in extensive writing for advanced level nonnative speakers of English.

### **IEP 0710 ORAL COMM: ACAD PURPOSES I 3.0**

Oral Communication for Academic Purposes I. Oral communication for basic level nonnative speakers of English.

### **IEP 0720 ORAL COMM: ACAD PURPOSES II 3.0**

Oral Communication for Academic Purposes II. Oral communication for lowintermediate level nonnative speakers of English.

### **IEP 0730 ORAL COMM: ACAD PURPOSES III 3.0**

Oral Communication for Academic Purposes III. Oral communication for intermediate level nonnative speakers of English.

### **IEP 0740 ORAL COMM: ACAD PURPOSES IV 3.0**

Oral Communication for Academic Purposes IV. Oral communication for highintermediate level nonnative speakers of English.

### **IEP 0750 ORAL COMM: ACAD PURPOSES V 3.0**

Oral Communication for Academic Purposes V. Oral communication for advanced level nonnative speakers of English with concentration on oral presentations, directed listening activities, and accurate and fluent pronunciation of the American sound system.

### **IEP 0810 READING SKILLS I 3.0**

Reading Skills I. Reading skills for basic level nonnative speakers of English.

### **IEP 0820 READING SKILLS II 3.0**

Reading Skills II. Reading skills for lowintermediate level nonnative speakers of English.

### **IEP 0830 READING/LISTENING: ACAD III 3.0**

Reading and Listening for Academic Purposes III. Reading and listening skills for intermediate level nonnative speakers of English.

### **IEP 0840 READING/LISTENING: ACAD IV 3.0**

Reading and Listening for Academic Purposes IV. Reading and listening skills for highintermediate level nonnative speakers of English.

**IEP 0850 READING/LISTENING: ACAD V 3.0**

Reading and Listening for Academic Purposes V. Reading and listening skills for advanced level nonnative speakers of English.

**IEP 0930 WRITING FOR UNIV EXAMS III 3.0**

Writing for University Exams III. Academic writing for intermediate level nonnative speakers of English.

**IEP 0940 WRITING FOR UNIV EXAMS IV 3.0**

Writing for University Exams IV. Academic writing for highintermediate level nonnative speakers of English.

**IEP 0950 WRITING FOR UNIV EXAMS V 3.0**

Writing for University Exams V. Academic writing for advanced level nonnative speakers of English.

**IT = INSTRUCTIONAL TECHNOLOGY****IT 2010 COMPUTER SKILLS FOR INFORM AGE 3.0**

Computer Skills for the Information Age. Students learn how to use the computer as a tool for effective organization, analysis, and communication of data. Students develop competence in word processing, spreadsheets, databases, presentations, simple web page design, and the efficient use of internet sources.

**IT 2210 INTEGRATING TECHN ELEM CLASSRM 3.0**

Integrating Technology Into the Elementary Classroom. This course focuses on the creation of a learning environment through the use of technology in the elementary classroom. It enables students to anchor the use of technology for the creation of a childcentered, safe and developmentally stimulating learning environment. The course introduces the preservice teacher to resourcebased teaching through the use of educational technology and its appropriate uses in the classroom. It focuses on developing research skills by designing, planning, and producing basic educational materials using technological hardware and software. The process of selecting and utilizing technological resources for prekindergarten through 5th grade classrooms are emphasized.

**IT 3210 TEACH, LEARN, & TECHN INTEGRAT 3.0**

Teaching, Learning, and Technology Integration. Introduces students to resourcebased teaching through the use of educational technology and its appropriate uses in the classroom. Focuses on developing research skills by designing, planning, and producing basic educational materials using technological hardware and software. The processes of selecting and utilizing technological resources for the P12 educational environment are emphasized.

**ITAL = ITALIAN****ITAL 1001 ELEMENTARY ITALIAN I 3.0**

Elementary Italian I. Comprehension, conversation, reading, and grammar. The use of the Language Laboratory is strongly recommended. Not open to native speakers of Italian.

**ITAL 1002 ELEMENTARY ITALIAN II 3.0**

Elementary Italian II. Prerequisite: Ital 1001 with grade of C or higher, or equivalent. Comprehension, conversation, reading, and grammar. The use of the Language Laboratory is strongly recommended. Not open to native speakers of Italian.

**ITAL 2001 INTERMEDIATE ITALIAN I 3.0**

Intermediate Italian I. Prerequisite: Ital 1002 with grade of C or higher, or equivalent. Conversation, composition, expansion of the vocabulary, grammar review. The use of the Language Laboratory is strongly recommended.

**ITAL 2002 INTERMEDIATE ITALIAN II 3.0**

Intermediate Italian II. Prerequisite: Ital 2001 with grade of C or higher, or equivalent. Active practice of major language skills with continued stress on vocabulary building through discussion of a variety of literary and nonliterary readings.

**ITAL 2211 DANTE IN TRANSLATION 3.0**

Dante in Translation. Dolce stil Nuovo. The Divine Comedy and highlights of the Elements of Eloquence.

**ITAL 3301 CIVILIZATION 3.0**

Civilization. Prerequisite: Ital 2002 with grade of C or higher. Geographical and historical aspects of Italy. Discussions, reading, and writing on topics related to Italy's past and its present.

**ITAL 3302 ADV COMPOSITION & CONVER 3.0**

Advanced Composition and Conversation. Prerequisite: Ital 2002 with grade of C or higher. Grammar and its application in written and oral composition.

**ITAL 3303 ITALIAN CULTURAL EXPRESSION 3.0**

Understanding and Analyzing Italian Cultural Expression. Prerequisite: Ital 3301 or 3302 with grade of C or higher, or consent of instructor. Introduction to the reading and analysis of major generic expressions of Italian culture (literature in prose and verse, film, opera, popular song, television and pop culture). Students will read and analyze in oral and written Italian at least one major work in each genre, building on and solidifying previously learned grammatical and idiomatic structures and concentrating on speaking, listening, reading and writing in a more complex and structured format.

**ITAL 4414 TOPICS IN ITALIAN LITERATURE 3.0**

Special Topics in Italian Literature. Prerequisites: Ital 3301, Ital 3302 and Ital 3303 with grades of C or higher, or consent of instructor. Study of particular authors, genres, schools or topics not covered in regular courses. May be repeated if topics vary.

**JAPN = JAPANESE****JAPN 1001 ELEMENTARY JAPANESE I 3.0**

Elementary Japanese I. Elementary grammar, practice with simple conversational patterns, introduction to writing systems. Not open to native speakers of Japanese.

**JAPN 1002 ELEMENTARY JAPANESE II 3.0**

Elementary Japanese II. Prerequisite: Japn 1001 with grade of C or higher, or equivalent. Elementary grammar, practice with simple conversational patterns, introduction to writing systems. Not open to native speakers of Japanese.

**JAPN 1101 INTENSIVE ELEM JAPANESE 6.0**

Intensive Elementary Japanese. Intensive introduction to Japanese, with emphasis on communicative competence, equivalent to Japn 1001 and 1002. Not open to native speakers of Japanese.

**JAPN 2001 INTERMEDIATE JAPANESE I 3.0**

Intermediate Japanese I. Prerequisite: Japn 1002 with grade of C or higher, or equivalent. Intermediate grammar; practice in conversation, composition, and reading.

**JAPN 2002 INTERMEDIATE JAPANESE II 3.0**

Intermediate Japanese II. Prerequisite: Japn 2001 with grade of C or higher, or equivalent. Intermediate grammar; further practice in conversation, composition, and reading.

**JAPN 2012 JAPN INT COMP CONV 3.0**

Intermediate Composition and Conversation. Prerequisite: Japn 2002

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with grade of C or higher, or equivalent. Continued practice of oral and compositional skills, with an emphasis on presentation of personal viewpoints.

### **JAPN 2101 INTENSIVE INTER JAPANESE 6.0**

Intensive Intermediate Japanese. Prerequisite: Japn 1002 with grade of C or higher, or equivalent. Intensive exposure to intermediate Japanese, with emphasis on communicative competence, equivalent to Japn 2001 and 2002.

### **JAPN 3001 ADVANCED JAPANESE I 3.0**

Advanced Japanese I. Prerequisite: Japn 2002 with grade of C or higher, or equivalent. Continued practice in conversation, composition and reading; expansion of vocabulary; further mastery of grammatical structures.

### **JAPN 3002 ADVANCED JAPANESE II 3.0**

Advanced Japanese II. Prerequisite: Japn 3001 with grade of C or higher, or equivalent. Practice in all receptive and productive language skills; further vocabulary expansion; grammar review.

### **JAPN 3010 PRONUNCIATION CLINIC 1.0**

Pronunciation Clinic. Analysis of differences between English and Japanese phonetic segments and rules; exercises to help students overcome their foreign accent in Japanese through use of recently developed audiolingual materials.

### **JAPN 3011 ADVANCED JAPANESE III 3.0**

Advanced Japanese III. Prerequisite: Japn 3002 with grade of C or higher. Advanced grammar and word formation; conversation and writing practice.

### **JAPN 3012 ADVANCED JAPANESE IV 3.0**

Advanced Japanese IV. Prerequisite: Japn 3011 with grade of C or higher. Advanced grammar and word formation; conversation and writing practice.

### **JAPN 3013 INTENSIVE GRAMMAR REVIEW 3.0**

Intensive Grammar Review. Prerequisite: Japn 3002 with grade of C or higher. Review of syntax and morphology for those who have completed the first three years of Japanese. This course serves as a prerequisite (with a grade of B or higher) for an upperlevel composition course.

### **JAPN 3081 JAPANESE LANG AND SOCIETY 3.0**

Japanese Language and Society. Prerequisite: Japn 3012 with grade of C or higher. Grammar review with emphasis on the social origins of linguistic structures of Japanese.

### **JAPN 3082 READING AND WRITING IN JAPANESE 3.0**

Reading and Writing in Japanese I. Prerequisite: Japn 3001 with grade of C or higher, or consent of instructor. Three lectures and one supervised lab a week. Mastery of 250 Kanji and practice in Japanese word processing.

### **JAPN 3084 BUSINESS JAPANESE 3.0**

Business Japanese. Prerequisite: Japn 3001 with grade of C or higher. This course will aim at enhancing a student's ability to understand and apply the practical Japanese encountered in realistic business situations.

## **JEWL = JEWELRY DESIGN & METALSMITHING**

### **JEWL 3000 JEWELRY DESIGN & METALSMITH I 3.0**

Jewelry Design and Metalsmithing I. Prerequisite: consent of instructor. Design and techniques of metalworking which lead to the making of jewelry and hollow ware forms.

### **JEWL 3100 JEWELRY DESIGN & METALSMITH II 3.0**

Jewelry Design and Metalsmithing II. Prerequisite: Jewl 3000 with grade of C or higher, or consent of instructor. Design and techniques of metalsmithing.

### **JEWL 4000 SELECTED TOPICS 4.0**

Selected Topics in Jewelry Design and Metalsmithing. Prerequisite: consent of instructor. Special topics for studio art majors. May be repeated for a maximum of eight credit hours.

### **JEWL 4500 DIRECTED STUDY 4.0**

Directed Study in Jewelry Design. Prerequisite: Jewl 3100 with grade of C or higher. Individual studio problems for advanced students. May be repeated for a maximum of 18 credit hours.

### **JEWL 4910 HISTORY OF JEWELRY 4.0**

History of Jewelry. A survey course of jewelry from early indigenous cultures to the contemporary world. Includes jewelry of Asia, Africa, Europe, and the United States.

### **JEWL 4940 PORTFOLIO I 3.0**

Portfolio I. Prerequisite: 15 hours of Jewl 4500 with grade of C or higher. Seniorear studio experiences for B.F.A. degree candidates. Committee review.

### **JEWL 4950 PORTFOLIO II 3.0**

Portfolio II. Prerequisite or corequisite: Jewl 4940 with grade of C or higher. Culminating studio experiences for B.F.A. degree candidates. Committee review.

### **JEWL 4980 SPECIAL PROBLEMS 4.0**

Special Problems. Prerequisites: consent of instructor and of School director. Independent studies initiated by the student. May be repeated for a maximum of six credit hours.

## **JOUR = JOURNALISM**

### **JOUR 1000 INTRO TO MASS COMMUNICATION 3.0**

Introduction to Mass Communication. Processes, uses, and effects of mass media in society. History, structure, and function of mass communication industries.

### **JOUR 1010 REPORTING I: BASIC JOURNALISM 3.0**

Reporting I: Basic Journalism. Prerequisites: Jour 1000 (or concurrently) and Engl 1102 or Engl 1103 with grades of C or higher. Basic fields of journalism; the principles of journalistic writing and the fundamentals and techniques of news reporting. Practical assignments with laboratory exercises.

### **JOUR 2500 COMM RESEARCH & INFO TECHNOLOGY 3.0**

Communication Research and Information Technology. (Same as Spch 2500.) Introduction to qualitative and quantitative research methods; introduction to the use of information technology to support the development of research proposals and the analysis and presentation of research results, emphasizing the use of library and online resources for communication research.

### **JOUR 3000 LIGHTING DES: THEATR, FILM, TV 4.0**

Lighting Design for Theatre, Film, and Television. Prerequisite: Jour 1010 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. (Same as Film 3000 and Thea 3000.) Principles, processes, and aesthetics of lighting design for the theatre, film, and television. Lectures, discussions, and design practica aid students in the development of a lighting plot. Production crew work required.

### **JOUR 3030 REPORTING II: NEWS GATHER/REPRT 3.0**

Reporting II: News Gathering and Reporting. Prerequisite: Jour 1010

with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Continuation of Reporting I, with emphasis on news gathering and reporting techniques, utilization of news sources, and the writing of various types of stories developed from beats and sources.

**JOUR 3060 COMMUNICATION LAW & REGULATION 3.0**

Communication Law and Regulation. Prerequisites: Jour 1000 and 2500 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. The law as applied to press, film, and telecommunication. A philosophical basis and evolution of legal precedent governing media. Slander, privacy, copyright, information access, constitutional issues, and practical limitations of libel.

**JOUR 3070 INTRO TO THEORIES OF MASS COMM 3.0**

Introduction to Theories of Mass Communication. Prerequisites: Jour 1000 and 2500 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. The development and application of theoretical perspectives on mediated communication, including critical and socialscientific approaches.

**JOUR 3120 FEATURE WRITING 3.0**

Feature Writing. Prerequisite: Jour 1010 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Indepth reporting and writing techniques for the development of feature writers across communication industries. Human interest writing is stressed.

**JOUR 3180 EDITORIAL & CRITICAL WRITING 3.0**

Editorial and Critical Writing. Prerequisite: Jour 1010 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Analysis of editorials and persuasive writing; writing of editorials on national, state, and local issues. Analysis of leading critical periodicals; writing of criticism of films, television, books, plays, and other arts.

**JOUR 3500 PUBLIC RELATIONS 3.0**

Public Relations. Principles and practices in the relations of an organization with its internal and external publics, with emphasis on communication; role of public relations in decision making and policy formulation.

**JOUR 3560 PUBLIC RELATNS WRITNG/PROJECTS 3.0**

Public Relations Writing and Projects. Prerequisites: Jour 1010 and 3500 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Projects for selected notforprofit organizations using research, writing, planning, and evaluation techniques learned through individual and group exercises.

**JOUR 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**JOUR 3700 INTRO TO TELECOMMUNICATION 3.0**

Introduction to Telecommunication. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Origin and growth of telecommunication industries; rudimentary technical aspects of audio and video; role of advertising and noncommercial aspects; programming and audience research and measurement.

**JOUR 3950 MASS COMMUNICATION RESEARCH 3.0**

Introduction to Mass Communication Research. Prerequisites: Jour 1000 and 2500 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course.

Issues and methods of quantitative and qualitative research used and reported by mass communication industries; analysis and criticism of research strategies; tactics to develop critical consumer skills for users and audiences.

**JOUR 4040 HISTORY OF NEWS MEDIA 3.0**

History of the News Media. Prerequisite: Jour 3060 or 3070 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Comparative study of the origins and development of news systems in relation to their historical, social, political, and economic environments.

**JOUR 4125 COMMUNITYBASED MEDIA PROD 4.0**

CommunityBased Media Production Prerequisite: consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll. Two lecture and two lab hours. Seminar combines service learning and digital video production to preserve stories of overlooked local communities.

**JOUR 4480 POLITICAL COMMUNICATION 3.0**

Political Communication. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Spch 4480.) (For journalism majors only.) Political communication in contemporary America with a focus on the rhetoric of political leaders during campaigns and governance.

**JOUR 4500 VISUAL COMMUNICATION 3.0**

Visual Communication. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Spch 4500.) (For journalism majors only.) Examination of communication theories that help explain how visual images symbolically interact with audiences. The manifest and latent persuasive functions of visual messages will be explored in a variety of contexts, from the mass media to human interaction.

**JOUR 4510 MEDIA AND POLITICS 3.0**

Media and Politics. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Spch 4510.) (For journalism majors only.) Examination of the symbiotic relationship among the media, the political process, and the public. Emphasis on how media structures and conventions help identify and frame issues and provide interpretative frameworks for analyzing political messages.

**JOUR 4540 CASES & PROBS IN PUBLIC RELATN 3.0**

Cases and Problems in Public Relations. Prerequisites: Jour 3500 and 3950 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Case study analysis and critique of public relations programs. Students examine research, case specific policymaking implementation, outcomes, and impact of public relations serving local to global markets.

**JOUR 4590 AFRICANAMERICAN POP CULTURE 3.0**

AfricanAmerican Popular Culture. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as AAS 4950.) (For journalism majors only.) Intellectual debates over the definitions and diversities of everyday AfricanAmerican cultural production.

**JOUR 4600 READINGS IN JOURNALISM 3.0**

Readings in Journalism. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Readings and discussion of selected books and periodicals; reports, critiques, and lectures.



**JOUR 4610 DESKTOP EDITING AND PUBLISHING 3.0**

Desktop Editing and Publishing. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Focus on writing, editing, and producing desktop publishing for target audiences and assessing impact of desktop publishing.

**JOUR 4650 INTERNATIONAL COMMUNICATION 3.0**

International Communication. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Critical and comparative approaches to the study of communication systems and journalism at the national, regional, and global levels. Analysis of issues and implications of the globalization of mass media, information systems, and culture. Strategies for international communication research.

**JOUR 4660 CORPORATE COMMUNICATION 3.0**

Corporate Communication. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Structures, functions, and outcomes of corporate communication policies and behaviors; corporate missions, business plans, and the design of strategic communication plans to accomplish goals in contexts of corporate cultures, target audiences, and environmental issues.

**JOUR 4700 TELECOMMUNICATION PRODUCTION I 4.0**

Telecommunication Production I. Prerequisite: Jour 3700 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Two lecture and two lab hours per week. Selecting and arranging original materials to exploit the strengths of telecommunication as a system for communicating ideas. Lecture and laboratory in the use of cameras and associated equipment, emphasizing multicamera studio techniques.

**JOUR 4710 TELECOMMUNICATION PRODUCTION II 4.0**

Telecommunication Production II. Prerequisite: Jour 4700 with grade of C or higher and consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Two lecture and two lab hours per week. Production for the telecommunication industry emphasizing electronic field production techniques involving scripting and preproduction, videography, lighting, location audio, and a variety of postproduction systems, emphasizing digital nonlinear editing systems.

**JOUR 4740 NEWS FOR TELECOMM I 3.0**

News for Telecommunication I. Prerequisite: Jour 4700 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Reporting, writing, and producing news stories for the telecommunication industry, emphasizing news writing style for both radio and television. Writing under deadlines is emphasized.

**JOUR 4750 SPECIAL PROJECTS IN TELECOMM 3.0**

Special Projects in Telecommunication. Prerequisite: Jour 4000 with grade of C or higher or consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Supervised experience in individual projects developed out of the student's professional interests and responsibilities. May be repeated for a maximum of six credits.

**JOUR 4760 NON FICTION SCRIPTWRITING 3.0**

NonFiction Scriptwriting. Prerequisite: Jour 3700 with grade of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Longform writing for radio, television, and other electronic media, including documentaries and institutional productions; and shortform writing, including commercials, promotions and public service announcements.

**JOUR 4770 MEDIA MANAGEMENT & MARKETING 3.0**

Media Management and Marketing. Prerequisites: Jour 3060 and 3070

with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Planning, organizing, coordinating, controlling, and marketing media entities.

**JOUR 4780 WOMEN AND MEDIA 3.0**

Women and Media. Prerequisites: Jour 3060 and 3070 with grades of C or higher for Journalism majors. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as WSt 4150.) Critical and analytical approaches applicable to the study of women in the media. Emphasis on research methods appropriate for analyzing mediated representations of women and the impact of those images on women in society.

**JOUR 4800 MASS MEDIA AND SOCIETY 3.0**

Mass Media and Society. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Historical, critical, ethical, and theoretical approaches to understanding mass media in contemporary society.

**JOUR 4810 MEDIA AND POPULAR CULTURE 3.0**

Media and Popular Culture. Prerequisites: Jour 3060 and 3070 with grades of C or higher. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Examination of mediated popular cultural forms from a variety of analytical perspectives as a way to understand social structures and everyday practices. Emphasis on dominant cultural and subcultural readings of artifacts produced by the media.

**JOUR 4840 NEWS FOR TELECOMM II 4.0**

News for Telecommunication II. Prerequisite: Jour 4740 with grade of C or higher and consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Reporting, writing, and producing news stories and newscasts for the telecommunication industry, emphasizing television. Producing newscasts is emphasized.

**JOUR 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**JOUR 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Jour 4870 with grade of C or higher and consent of instructor and Honors Program director. Only students with an institutional GPA of 2.2 or higher are eligible to enroll in this course. Writing or production of honors thesis or project.

**JOUR 4900 SELECTED TOPICS 3.0**

Selected Topics. Prerequisite: consent of instructor. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. May be repeated if topic varies. A maximum of six credit hours may be applied to the major.

**JOUR 4980 INTERNSHIP 1.0 to 6.0**

Internship. Prerequisite: eligibility criteria may be obtained from the Department of Communication Internship Coordinator. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. Representative experiences in print and broadcast journalism or in public relations.

## JST = JEWISH STUDIES

**JST 3000 INTRO TO JEWISH STUDIES 3.0**

Introduction to Jewish Studies. (Same as MES 3710.) A survey of Jewish experience since Biblical times, with special attention to

the modern period (c. 1680/1945) and contemporary period (1945/present). Students synthesize material drawn from numerous disciplines, including film, history, literature, philosophy, religious studies, sociology, and women's studies. The course is facilitated by a lead teacher, with regular guest lectures by faculty and experts from different fields. Topics vary with faculty.

## **KH = KINESIOLOGY & HEALTH**

### **KH 1010 BEGIN LEISURE LIFE SKILLS 2.0**

Beginning Leisure Life Skills. This course is designed to provide students a beginning level competency in individual or recreational sports and dance. This course is nonacademic and is not used in gradepoint average computation even though a grade is assigned for the course. (Repeatable).

### **KH 1020 INTERMEDIATE LEISURE LIFE SKLS 2.0**

Intermediate Leisure Life Skills. Prerequisites: KH 1010 or equivalent or consent of instructor. This course is designed to provide students an intermediate level competency in individual or recreational sports or dance. This course is nonacademic and is not used in gradepoint average computation even though a grade is assigned for the course. (Repeatable).

### **KH 2000 HEALTH/PHYSICAL ED ELE TEACHRS 3.0**

Health and Physical Education for Elementary Teachers. The classroom teacher's role in the health education program, including responsibility for the health of the school child, is reviewed. Screening, referral, instructional, and emergency procedures are discussed. Students gain knowledge of basic movement concepts, rhythmic, individual, and group activities in physical education that are developmentally appropriate. An emphasis is placed on integrating curriculum content. A minimum grade of "C" is required for this course.

### **KH 2130 INTRO ALLIED FLDS HPE/FITNESS 3.0**

Introduction to the Allied Fields of Health, Physical Education, and Fitness. This course is an introduction to the allied professional fields within health, physical education, and fitness. Topics include the history, social forces, and current trends that shape contemporary health, physical education, and fitness programs in P12 schools, businesses, community agencies, and exercise/fitness facilities.

### **KH 2220 MUSC/SKEL FUNCTION HUMAN PER I 3.0**

Musculoskeletal Function and Human Performance I. The performance (sport, dance, daily living skills) applications and functions of musculoskeletal anatomy in the human being are studied.

### **KH 2230 MUSC/SKEL FUNCTN HUMAN PER II 3.0**

Musculoskeletal Function and Human Performance II. Continuation of KH 2220. This course presents introductory concepts concerning the responses of various physiological systems to acute and chronic exercise and physical activity. Lecture information includes differences between children, adolescents, and adults.

### **KH 3000 PERSONAL HEALTH AND WELLNESS 3.0**

Personal Health and Wellness. Introduces students to contemporary health topics and issues. Students examine health risk and protective factors which influence the individual's achievement of optimal health across the life span. A minimum grade of "C" is required for this course.

### **KH 3010 PER/ANALYSIS I:MVMNT/RHYT 3.0**

Performance and Analysis Area I: Movement and Rhythmics. Students develop knowledge and skill in designing and implementing movement and rhythmical activities for P5 curriculums. Emphasis is placed on the ability to analyze and instruct

the associated movement skills. A minimum grade of "C" is required for this course.

### **KH 3020 PER/ANALYSIS 2:TRAINING/FITNESS 2.0**

Performance and Analysis Area II: Training and Fitness. Students develop knowledge and skills in lifetime fitness activities such as aerobics, jogging, walking, weight training, muscle toning, and general conditioning. Emphasis is placed on developing an understanding of the health and fitness benefits provided through participation in these activities. A minimum grade of "C" is required for this course.

### **KH 3030 PERFORM/ANALYSIS 3:TEAM SPORTS 2.0**

Performance and Analysis Area III: Team Sports. Students develop knowledge and skills in various team sports (e.g., soccer, volleyball, softball, flag football, basketball) offered in P12 school curriculums. Emphasis is placed on developing performance skills, as well as developing the ability to analyze and teach the associated movement skills. A minimum grade of "C" is required for this course.

### **KH 3040 PER/ANALYSIS 4:LIFETIME SPORTS 2.0**

Performance and Analysis Area IV: Lifetime Sports. Students develop knowledge and skills in various lifetime individual and dual sports (e.g., tennis, badminton, golf, bowling, archery, racquetball) offered in P12 school curriculums. Emphasis is placed on producing competent performers, as well as developing the ability to analyze and teach the associated movement skills. A minimum grade of "C" is required for this course.

### **KH 3050 PER/ANALYSIS 5:OUTDR ADVENTURE 2.0**

Performance and Analysis Area V: Outdoor and Adventure Activities. Students develop knowledge and skill in outdoor and adventure programming, including applications for school, camp, and community agencies. Several field trips are required. Emphasis is placed on producing competent performers, as well as developing the ability to analyze and teach the skills and application. A minimum grade of "C" is required for this course.

### **KH 3060 PERF & ANAL IN DISABILITY SPOR 3.0**

Performance and Analysis in Disability Sport. Students will participate first hand in games and activities derived from the field of disability sport. Specifically, students will learn the fundamental skills, rules, and strategies necessary to play, coach, and develop programs for individuals with disabilities in some of the following sports: wheelchair basketball, wheelchair tennis, wheelchair rugby, goalball, and boccia.

### **KH 3100 INSTRUCTIONAL TECHNOLOGY HPE 1.0 to 3.0**

Instructional Technology in Health and Physical Education. Prerequisites: KH 3410 and KH 3420. Students participate in class discussion, skill training, and skill applications which incorporate National Education Technology, Georgia Technology, and NASPE standards into Health and Physical Education. Skill training includes PowerPoint, Excel, Frontpage, and Thinkwave Electronic gradebook. Skill applications including writing webquests; designing overhead/overlays and student handouts; creating health lessons for classrooms with one, three, or five computers as well as for use in a computer lab; incorporating digiwalkers, heart monitors, and Polar Companions into physical education; locating and integrating professional health and physical education online resources on the Internet and the instructor's web page, <http://www2.gsu.edu/~wwwche>. Students create both a print and electronic portfolio. Student created websites or portfolios can be found at <http://www2.gsu.edu/~wwwhpe>. A grade of "C" or better is required for this course.

### **KH 3200 INSTRUCTIONAL SKILLS HPE, P12 3.0 to 4.0**

Instructional Skills for Health and Physical Education, P12. Prerequisites: KH 2130 and tort liability. Introduces effective classroom management, teaching skills, and instructional models for



health and physical education in grades P12. Field experiences are included in selected P12 classrooms. A minimum grade of "C" is required for this course.

**KH 3270 PROM SCH HEALTH & SAFETY 3.0**

Promoting School Health and Safety. This course is an elective for HPE majors and undergraduate students throughout the university seeking to meet the elective requirement of their specific major. The online course explores prevention and intervention strategies effective in promoting comprehensive school health and safety of children and youth interacting within schools and communities (with special emphasis on urban environments). The course is based on a model developed by the Division of Adolescent and School Health of the Centers for Disease Control and Prevention. This comprehensive model promotes coordination of family, school, and community resources for prevention and reduction of child and adolescent health risk behaviors.

**KH 3360 DISABILITY,SPORT, PHYS ACTIVITY 3.0**

Disability, Sport, and Physical Activity. Students examine the structure, function, and outcome of the disability sport movement in the United States and internationally, considering its impact on opportunities, current trends, behaviors, and attitudes towards persons with a disability. Students experience opportunities to work directly with athletes with disabilities and learn firsthand how to play selected disability sports. A minimum grade of "C" is required for this course.

**KH 3390 ADV FIRST AID & EMERGENCY CARE 3.0**

Advanced First Aid and Emergency Care. Students develop a working knowledge of first aid methods and techniques and accident prevention. A minimum grade of "C" is required for this course. Red Cross certification is contingent upon a grade of "B" or higher and attendance record.

**KH 3410 ASSESSMENT IN HPE 3.0**

Assessment in Health and Physical Education. CoRequisite: Must take concurrently with KH 3420. Traditional and authentic assessment methods currently in use in health, physical education, and adapted physical education settings are studied, including the organization, administration, and interpretation of those assessments. Students also examine various standards and learn how to develop assessments for them. A minimum grade of "C" is required for this course.

**KH 3420 CURRICULUM IN HPE 1.0 to 3.0**

Curriculum in Health and Physical Education. CoRequisite: Must take concurrently with KH 3410. Students examine contemporary curriculum models, theory, and standards for adapted, elementary, and secondary physical education, and for health education. Students learn how to develop a curriculum for a K12 program.

**KH 3500 ATHLETIC TRAINING/CONDITIONING 3.0**

Athletic Training and Conditioning. Prerequisites: KH 2220. Students obtain an overview of the physiological, psychological, and biomechanical principles as they apply to sports performance. A minimum grade of "C" is required for this course.

**KH 3550 EVAL/INSTRUMENTATION EXER SCI 3.0**

Evaluation and Instrumentation in Exercise Science. Surveys and written and physical tests employed in physical education are studied. Introductory statistics and the development of skills in organizing, administering, and interpreting test scores are also objectives of the course. A minimum grade of "C" is required for this course.

**KH 3600 BIOMECHANICS 3.0**

Biomechanics. Prerequisites: KH 2220, KH 2230, and Math 1111. The principles which influence human motion are examined.

Emphasis is placed on developing the ability to analyze human motion with the goal of optimizing human movement performance. A minimum grade of "C" is required for this course.

**KH 3610 MOTOR LEARNING AND DEVELOPMENT 4.0**

Motor Learning and Development. Students gain knowledge of motor learning and development principles. Topics include the processes of skilled motor performance and motor skill acquisition, human motor development from childhood through older adulthood, the influence of perceptual, cognitive, physiological, and social development on motor development. Emphasis is on the practical application of concepts to the teaching of motor skills. A minimum grade of "C" is required for this course.

**KH 3650 PHYSIOLOGY OF EXERCISE 3.0**

Physiology of Exercise. Prerequisites: KH 2220, KH 2230; or consent of instructor. Focuses on alterations in body systems and organs during physical activity with emphasis on metabolic, cardio respiratory, and body composition parameters. Laboratory experiences employing physiological principles during active participation in exercise are also included. A minimum grade of "C" is required for this course.

**KH 3700 SEX ED INCLU OF STU W/DIS 3.0**

Sexuality Education Inclusive of Students with Special Needs/Disabilities. Students participate in class discussions, skill training, and skill applications which incorporate current national and state standards for schoolbased sexuality education. Particular emphasis is given to reaching special needs/disability students. Class discussions include interactions with selected principals, practicing teachers, content experts. Skill training includes interactions with relevant community agencies. Skill application includes instructional lessons and materials development. A grade of "C" or better is required for this course. The course is required for all HPE majors. With permission from the course instructor, students outside of the Kinesiology and Health Department and outside of the College of Education can select this course as an elective.

**KH 4280 PSYCHOLOGY OF PHYSICAL ACTIVITY 3.0**

Psychology of Physical Activity. The psychological principles underlying the teaching and performance of sport and physical activity are analyzed. A minimum grade of "C" is required for this course.

**KH 4290 CARDIOPULMONARY PHYSIOLOGY 3.0**

Cardiopulmonary Physiology. Prerequisites: KH 3650 or consent of instructor. Students study in detail the anatomy and physiology of the cardiovascular and pulmonary systems. Students also examine possible complications within these systems and related pharmacology. A minimum grade of "C" is required for this course.

**KH 4300 NEUROMUSCULAR PHYS/PLASTICITY 3.0**

Neuromuscular Physiology and Plasticity. Prerequisite: KH 3650. This course is a detailed study of the structure and function of the neuromuscular and skeletal systems. In addition, students learn the physiology of movement and fatigue, and neuromuscular adaptations to strength and endurance training, disuse, injury, and aging. Finally, students learn the etiology and functional consequence of numerous neuromuscular diseases, e.g. muscular dystrophy, central core disease, malignant hyperthermia, myasthenia gravis, multiple sclerosis, and amyotrophic lateral sclerosis.

**KH 4350 FITNESS PROGRAM MANAGEMENT 3.0**

Fitness Program Management. Discusses principles of fitness and health promotion program operation including cost/benefit and cost/effectiveness, program objectives, content, promotion and implementation, financial and personnel management, and facility planning and design. A minimum grade of "C" is required for this course.

**KH 4360 CLINICAL EXERCISE PHYSIOLOGY 3.0**

Clinical Exercise Physiology. This course is a detailed study of physical activity for the exercise specialist, technologist, or technician who is responsible for the safe administration of graded exercise tests and the development of an exercise prescription for apparently healthy human subjects, patients with controlled disease, and patients with known disease including cardiovascular disease, pulmonary disease, diabetes, obesity, and other chronic illnesses. A minimum grade of "C" is required for this course.

**KH 4510 CONT/INSTR MODELS PREK/ELE PE 3.0**

(TE) Contemporary Instructional Models for PreK and Elementary Physical Education. Prerequisite: KH 3200. Corequisites: KH 4520, KH 4530, and KH 4540. Acquisition and practice of contemporary instructional models for preschool and elementary physical education are studied. Includes peer and fieldbased teaching experiences. A minimum grade of "C" is required for this course.

**KH 4520 CONT/INSTR MODELS SECONDARY PE 3.0**

(TE) Contemporary Instructional Models for Secondary Physical Education. Prerequisite: KH 3200. Corequisites: KH 4510, KH 4530, and KH 4540. Acquisition and practice of contemporary instructional models for secondary physical education are discussed. Includes peer and fieldbased practice teaching experiences. A minimum grade of "C" is required for this course.

**KH 4530 CONT/INSTR MODELS HEALTH EDUC 3.0 to 4.0**

(TE) Contemporary Instructional Models for Health Education. Prerequisite: KH 3200. Corequisites: KH 4510, KH 4520, and KH 4540. Focuses on acquisition and practice of contemporary comprehensive school health education instructional strategies. Includes fieldbased practice teaching experiences, peer coaching during lesson plan development, and peer critiquing of fieldbased teaching videos. A minimum grade of "C" is required for this course.

**KH 4540 CONTMP/INSTR MODELS ADAPTED PE 3.0**

(TE) Contemporary Instructional Models for Adapted Physical Education. Prerequisites: EXC 2010, KH 3200. Corequisites: KH 4510, KH 4520, and KH 4530. Acquisition and practice of contemporary instructional models for adapted physical education are studied. Includes peer and fieldbased practice teaching experiences. A minimum grade of "C" is required for this course.

**KH 4600 ADV BIOMECHANICS FOR EXER SCI 3.0**

Advanced Biomechanics for Exercise Science. Prerequisite: KH 3600. The primary goal of this course is to integrate advanced concepts and relevant scientific information to provide for understanding of biomechanics as it relates to exercise, physical training, and rehabilitation. Within the framework of exercise science, this course provides the student with knowledge that will allow for the assessment of human motion for the purposes of identifying critical factors of performance and injury including persons with a disability.

**KH 4630 FITNESS ASSESS & EXER PRESCRIPT 3.0**

Fitness Assessment and Exercise Prescription. Prerequisite: KH 3650. Students study the process and procedures of physical fitness evaluation and prescription. Emphasis is placed on the design of individual and group exercise programs. A minimum grade of "C" is required for this course.

**KH 4650 OPENING SCHOOL EXPERIENCE 0.0 to 1.0**

(TE) Opening School Experience. Prerequisite: current tort liability protection and permission of instructor. Student teachers complete a 10day internship in one of the placement schools during the clinical teacher's preplanning and first week of instruction. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this experience.

**KH 4710 STUDENT TCHNG HEALTH & PE, P5 6.0**

(TE) Student Teaching in Health and Physical Education, P5. Prerequisites: completion of all course work, first aid/CPR proficiency, current proof of tort liability protection, and consent of instructor. Students observe, assist in, and instruct public school P5 classes in health and physical education under the direct supervision of a clinical teacher. Includes seminars scheduled by the instructor. A minimum grade of "C" is required for this course.

**KH 4720 STUDENT TCHG HEALTH & PE, 612 6.0**

(TE) Student Teaching in Health and Physical Education, 612. Prerequisites: completion of all course work, first aid/CPR proficiency, current proof of tort liability protection, and consent of instructor. Students observe, assist in, and instruct public school 612 classes in health and physical education under the direct supervision of a clinical teacher. Includes seminars scheduled by the instructor. A minimum grade of "C" is required for this course.

**KH 4750 PRACTICUM EXERCISE SCIENCE 1.0**

Practicum in Exercise Science. Prerequisites: completion of all course work and permission of instructor. Students must pass a standardized exit exam to complete this requirement. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required.

**KH 4760 INTERNSHIP EXERCISE SCIENCE 5.0**

Internship in Exercise Science. Prerequisites: completion of all course work and permission of instructor. Students receive practical experiences in planning, organizing, assessing, and implementing exercise science programs in various settings. Internship may extend beyond one term. This would require that students complete 375 hours of internship activities. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**KH 4810 DIRECTED READINGS & RESRCH KH 1.0 to 3.0**

Directed Readings and Research in Kinesiology and Health. Prerequisite: permission of instructor. Focuses on individual reading on special topics in health, physical education, recreation, or exercise science. Research may go beyond one term. Directed reading is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course. (Repeatable).

**KH 4940 WORKSHOP IN HEALTH, PE, & REC 1.0 to 3.0**

Workshop in Health, Physical Education, Recreation. Prerequisite: first aid certification and/or outdoor survival skills if applicable to topic. Students analyze the skills, strategies, materials, and methods of teaching in selected areas of health, physical education, recreation, and exercise science. Workshop is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course. (Repeatable).

**KORE = KOREAN****KORE 1001 ELEMENTARY KOREAN I 3.0**

Elementary Korean I. Development of basic communication skills in modern spoken Korean. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Korean.

**KORE 1002 ELEMENTARY KOREAN II 3.0**

Elementary Korean II. Prerequisite: Kore 1001 with grade of C or higher, or equivalent. Development of basic communication skills in modern spoken Korean. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Korean.

**LATN = LATIN****LATN 1001 ELEMENTARY LATIN I 3.0**

Elementary Latin I. Grammar, composition, and prose translation.

**LATN 1002 ELEMENTARY LATIN II 3.0**

Elementary Latin II. Prerequisite: Latn 1001 with grade of C or higher, or equivalent. Grammar, composition, and prose translation.

**LATN 2001 INTERMEDIATE LATIN 3.0**

Intermediate Latin. Prerequisite: Latn 1002 with grade of C or higher, or equivalent. Completion of grammar; composition and reading from prose authors.

**LATN 2002 LATIN PROSE 3.0**

Latin Prose. Prerequisite: Latn 2001 with grade of C or higher, or equivalent. Reading of selected works of Cicero and/or Livy.

**LATN 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of instructor and Honors Program director. Discussion and readings on selected topics.

**LATN 4001 VERGIL'S AENEID 3.0**

Vergil's Aeneid. Prerequisite: Latn 2002 with grade of C or higher, or equivalent. Reading and interpretation of passages from Books IX-XII of the Aeneid.

**LATN 4011 ROMAN COMEDY 3.0**

Roman Comedy. Roman comedy as exemplified in the plays of Plautus and Terence.

**LATN 4012 HORACE 3.0**

Horace. Latin lyric poetry and its influence; selected readings from Odes and Epodes.

**LATN 4013 CICERO 3.0**

Cicero. Selections from the letters, the oratorical, or the philosophical works.

**LATN 4035 VERGIL'S EARLY POETRY 3.0**

Vergil's Early Poetry. Bucolics and Georgics: the pastoral in its relation to the Augustan Age.

**LATN 4036 HISTORICAL LATIN PROSE 3.0**

Historical Latin Prose. Readings from Livy, Sallust, and Tacitus as the basis for a study of Roman historiography.

**LATN 4040 MEDIEVAL LATIN 3.0**

Medieval Latin. Prose and poetry from the fifth through the thirteenth centuries.

**LATN 4070 SEM IN LAT PROSE & POETRY 3.0**

Seminar in Latin Prose and Poetry. Prerequisite: consent of instructor. Author and genre studies of Latin literature. May be repeated for credit when the topic varies.

**LATN 4075 PROSE COMPOSITION 3.0**

Prose Composition. Advanced Latin grammar and composition.

**LATN 4080 NEOLATIN SEMINAR 3.0**

NeoLatin Seminar. Prerequisite: Consent of instructor. Writings of one or more authors from the Renaissance through the seventeenth century.

**LATN 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**LATN 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Latn 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**LGLS = LEGAL STUDIES****LGLS 3020 INTRODUCTION TO THE LAW 3.0**

Introduction to the Law. Prerequisite: none. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course is an introduction to the law, a multifaceted and broad discipline which affects and is affected by every aspect of our society. The course provides an overview of the legal system, sources of law, and legal analytical models. In addition, the course covers specific applications of law from the environment to business to personal relationships. Legal case analysis and legal research are components of the class.

**LGLS 4050 PRINCIPLES BUSINESS LAW 3.0**

Principles of Business Law. Prerequisite: none. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course provides the student with a study of traditional business law topics which include contracts, sales, commercial paper, secured transactions, agency, partnerships and corporations, and bankruptcy. In addition, the course covers the legal liability of accountants under tort and contract doctrine and statutory provisions. The course emphasizes the policy underlying the rules and law covered in the course.

**LGLS 4389 DIR READ IN LEGAL STUDIES 1.0 to 3.0**

Directed Readings in Legal Studies. Prerequisite: BusA 2106, consent of instructor.

**LGLS 4490 REAL ESTATE LAW 3.0**

Real Estate Law. Prerequisite: none. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to provide the business student with a background in the nature, sources, and basic principles of modern real estate law. Topics include real property law, sales transaction contracts, general agency law, deeds and titles, methods of transferring title to real estate, mortgages, liens, land use control, landlord/tenant relationships, and legal analysis through traditional and electronic databases.

**MATH = MATHEMATICS****MATH 0098 ELEMENTARY ALGEBRA 4.0**

Elementary Algebra. (Formerly LSP 0098.) Topics include review of real numbers (order of operations, fractions, decimals, percents, and integers), solving and graphing linear equations and inequalities, operations with polynomials. An introduction to solving systems of linear equations and inequalities, factoring, and operations with rationals. Applications will be emphasized.

**MATH 0099 INTERMEDIATE ALGEBRA 4.0**

Intermediate Algebra. (Formerly LSP 0099.) A transition from elementary algebra to college algebra. Topics include operations with radicals, graphing of linear and nonlinear functions, algebra of linear and nonlinear functions, systems of linear equations and inequalities, review of factoring and quadratic functions. Applications will be emphasized.

**MATH 1070 ELEMENTARY STATISTICS 3.0**

Elementary Statistics. Prerequisite: High School Algebra II or equivalent. Descriptive statistics, basic probability, and distribution of random variables, estimation and hypothesis tests for means and proportions, regression and correlation, analysis of count data.

**MATH 1090 HONORS STATISTICS 3.0**

Honors Statistics. Prerequisite: consent of Honors Program director. Nondeterministic conceptualizations of phenomena as a foundation for inference. Descriptive and inferential methods of statistics, including synopses of real experiments, means, variances, regression and correlation, probability, sampling, hypotheses testing.

**MATH 1101 INTRO TO MATHEMATICAL MODELING 3.0**

Introduction to Mathematical Modeling. Prerequisite: High School Algebra II or equivalent. Three lecture hours a week. Mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore realworld data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze applied problems and questions, on the use of appropriate supporting technology, and on the effective communication of quantitative concepts and results.

**MATH 1111 COLLEGE ALGEBRA 3.0**

College Algebra. Prerequisite: Math 0099 with grade of C or higher or a suitable score on the math placement test. Graphs; equations and inequalities; complex numbers; functions; polynomial, rational, exponential, and logarithmic functions; and linear systems.

**MATH 1113 PRECALCULUS 3.0**

Precalculus. Prerequisite: Math 1111 with grade of C or higher or a suitable score on the math placement test, or departmental approval. Trigonometric functions, identities, inverses, and equations; vectors; polar coordinates; conic sections.

**MATH 1220 SURVEY OF CALCULUS 3.0**

Survey of Calculus. Prerequisite: Math 1111 with grade of C or higher. Differential and integral calculus of selected realvalued functions of one and several real variables with applications.

**MATH 2008 FOUND NUMBERS & OPERATIONS 3.0**

Foundations of Numbers and Operations. Prerequisite: Math 1001, Math 1101, Math 1111, or Math 1113 with grade of C or higher. This course is an Area F introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of number and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics.

**MATH 2211 CALCULUS OF ONE VARIABLE I 4.0**

Calculus of One Variable I. Prerequisite: Math 1113 with grade of C or higher or a suitable score on the math placement test. Limits and Continuity, Differentiation, Mean Value Theorem for Derivatives; applications of differentiation; definition of the integral; Fundamental Theorem of Calculus; applications of integration to area.

**MATH 2212 CALCULUS OF ONE VARIABLE II 4.0**

Calculus of One Variable II. Prerequisite: Math 2211 with grade of C or higher. Applications and techniques of integration; transcendental and trigonometric functions; polar coordinates; infinite sequences and series; indeterminate forms; improper integrals.

**MATH 2215 MULTIVARIATE CALCULUS 4.0**

Multivariate Calculus. Prerequisite: Math 2212 with grade of C or higher. Realvalued functions of several variables, limits, continuity, differentials, directional derivatives, partial derivatives, chain rule, multiple integrals, applications.

**MATH 2420 DISCRETE MATHEMATICS 3.0**

Discrete Mathematics. Prerequisite: Math 1113 or 1220 with grade of C or higher. Introduction to discrete structures which are applicable to computer science. Topics include number bases, logic, sets,

Boolean algebra, and elementary concepts of graph theory.

**MATH 3000 BRIDGE TO HIGHER MATHEMATICS 3.0**

Bridge to Higher Mathematics. Prerequisites: Math 2212 and Math 2420 with grades of C or higher. Topics from set theory, real numbers, analysis, and algebra, which illustrate a formal approach to the presentation and development of mathematical concepts and proofs.

**MATH 3030 MATH MODELS FOR COMPUTER SCI 3.0**

Mathematical Models for Computer Science. Prerequisites: Math 2420 and 2215 with grades of C or higher. This course will not be accepted as part of the requirements of a major in mathematics. Elements of mathematical modeling including: probability, distributions of random variables, sampling, statistical inference, transforms, operators, vector analysis; elements of linear algebra.

**MATH 3050 GEOMETRY AND SPATIAL SENSE 3.0**

Geometry and Spatial Sense. Prerequisite: Math 2030 or Math 2008 with grade of C or higher. Building on Euclidean geometry this course is designed to develop a more visual understanding of geometry and enhance geometric intuition in two and threedimensions. Topics include measurement, twodimensional geometry, threedimensional geometry, spherical geometry, symmetry, tessellations, efficient shapes, transformations.

**MATH 3070 INTRO: PROBABILITY & STATISTICS 3.0**

Introduction to Probability and Statistics. Prerequisite: Math 2030 or Math 2008 with grade of C or higher, or consent of instructor. Three lecture hours a week. This course will not be accepted as a part of the requirements for a major in mathematics. This course is intended to provide an overview of the basics of probability and descriptive statistics. Various forms of technology will be used.

**MATH 3090 ALGEBRAIC CONCEPTS 3.0**

Algebraic Concepts. Prerequisite: Math 2030 or Math 2008 with grade of C or higher. This course will not be accepted as a part of the requirements for a major in mathematics. This course is designed to broaden understanding of fundamental concepts of algebra with particular attention given to specific methods and materials of instruction. The principle algebra topics to be taught in this course are: the Language of Algebra; Patterns, Relations, and Functions; and Balance, Equations, and Inequalities.

**MATH 3260 DIFFERENTIAL EQUATIONS 3.0**

Differential Equations. Prerequisite: Math 2215 with grade of C or higher. Firstorder equations, linear differential equations with special emphasis on constant coefficient and Euler equations, systems of equations, applications.

**MATH 3300 PROBLEM SOLVING WITH COMPUTERS 3.0**

Problem Solving with Computers. Prerequisite: Math 3000 with grade of C or higher. Three lectures a week. This course explores various mathematical contexts and develops mathematical knowledge necessary to solve, or attempt to solve, mathematical problems in the computer enhanced environment. The problems come from many sources and contexts. Computer programs such as Maple, Matlab, spreadsheets, Geometer's Sketch Pad, Study Works, etc. will be used. No previous experience with computers is required.

**MATH 3420 APPLIED COMBINATORICS 3.0**

Applied Combinatorics. Prerequisite: Math 2212 or Math 2420 with grade of C or higher. Counting principles; topics include combinations, permutations, generating functions, recurrence relations, principle of inclusion and exclusion, and Polya's theory of counting.



**MATH 3435 INTRODUCTORY LINEAR ALGEBRA 3.0**

Introductory Linear Algebra. Prerequisites: Math 2215 and 3000 with grades of C or higher. Theory and applications of matrix algebra and linear transformations. Topics include linear equations, vector spaces, matrices, subspaces, and bases.

**MATH 3450 ELEMENTS OF NUMBER THEORY 3.0**

Elements of Number Theory. Prerequisite: Math 2211 with grade of C or higher. Three lecture hours a week. The mathematical study of the integers and their generalizations. Topics to include prime and composite numbers, factoring, congruences and modular arithmetic, GCDs and relatively prime integers, applications of number theory.

**MATH 3510 INTRO PROBABILITY & ITS APPLICATIONS 3.0**

Introduction to Probability and Its Applications. Corequisite: Math 2212 or previous enrollment with grade of C or higher. Basic probability theory, combinatorial problems, random variables, laws of large numbers, random walks, Markov chains; applications drawn from decisions and stochastic processes.

**MATH 3610 SPECIAL PROBS AND SOLVING STRATS 3.0**

Special Problems and Solving Strategies. Prerequisite: Math 2212 with grade of B or higher, or consent of instructor. The course will concentrate on developing solving strategies of difficult mathematical problems which require creativity and profound understanding of mathematics. Among topics to be covered: induction and pigeonhole principle, arithmetic, algebra, summation of series, intermediate real analysis, inequalities.

**MATH 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisite: consent of Honors Program director. Discussion and readings on selected topics.

**MATH 3820 HIST/CULT DEVELOPMENT OF MATH I 3.0**

Historical and Cultural Development of Mathematics I. Prerequisite: Math 1101 or 1111 with grade of C or higher. Three lecture hours a week. Exploration of the historical and cultural development of mathematics between ~3000 B.C. and ~A.D. 1600. Mathematics topics to include the development of arithmetic, geometry (practical, deductive, and axiomatic), number theory, trigonometry, syncretized and symbolic algebra, probability, and statistics.

**MATH 3821 HIST/CULT DEVELOPMENT OF MATH II 3.0**

Historical and Cultural Development of Mathematics II. Prerequisite: Math 3000 with grade of C or higher. Three lecture hours a week. Exploration of the historical and cultural development of mathematics from ~A.D. 1600 to present. Mathematics topics to include the development of algebraic geometry, logarithms, calculus, nonEuclidean geometry, abstract algebra, probability, and analysis.

**MATH 3998 TOPICS FOR NONMAJORS 1.0 to 3.0**

Topics for Nonmajors. Prerequisite: consent of the instructor. Selected topics in mathematics appropriate for upper division mathematics nonmajors. May be repeated if topics are different.

**MATH 4211 OPTIMIZATION 3.0**

Optimization. Prerequisite: Math 2215 with grade of C or higher. Lagrange multipliers, gradient methods (steepest descent), search techniques, variational methods and control problems; other varying topics such as dynamic programming, nonlinear programming.

**MATH 4250 COMPLEX ANALYSIS 3.0**

Complex Analysis. Prerequisite: Math 3000 with grade of C or higher. Complex numbers, analytic functions, complex series, Cauchy theory, residue calculus, conformal mapping.

**MATH 4253 INTRO TO OPERATIONS RESEARCH 3.0**

Introduction to Operations Research. Prerequisite: Math 3435 or 3030 with grade of C or higher. Linear programming, the simplex method, network theory, game theory, Markov analysis, and other topics such as inventory analysis, queuing theory, integer programming.

**MATH 4258 VECTOR CALCULUS 3.0**

Vector Calculus. Prerequisite: Math 2215 with grade of C or higher. (Same as Phys 4510.) Vector algebra, curvilinear motion, vector fields, gradient, divergence, Laplacian, line and surface integrals, integral theorems.

**MATH 4265 PARTIAL DIFFERENTIAL EQUATIONS 3.0**

Partial Differential Equations. Prerequisite: Math 3260 with grade of C or higher. (Same as Phys 4520.) Firstorder equations, classification of linear secondorder equations, separation of variables, Fourier series, orthogonal functions, Green's functions.

**MATH 4275 APPLIED DYNAMICAL SYSTEMS 3.0**

Applied Dynamical Systems. Prerequisites: Math 3260, and Math 3435 or 3030 with grades of C or higher. Three lecture hours per week. An introduction to discrete and continuous dynamical systems. Topics include: phase space; linear and nonlinear systems; structural stability; classification of equilibrium states, invariant manifolds; poincare maps, fixed points and period orbits; stability boundaries; local bifurcations; homoclinic orbits; routes to chaos in dissipative systems; applications from physics, biology, population dynamics, economics.

**MATH 4301 COLLEGE GEOMETRY 3.0**

College Geometry. Prerequisite: Math 3000 with grade of C or higher. Axioms of planar Euclidean Geometry. The 5th postulate. Congruence and Similarity. Theorem of Thales. Similar Triangles: SAS, AA, and SSS. Theorem of Ceva. The Pythagorean Theorem. Polygons. Circles, secants and tangents, measurement of an angle with respect to a circle. Perimeters, areas, circumference. Inscribed and circumscribed polygons. Coordinate Geometry in the plane. Mirror symmetries, rotations, translations and dilations. Isometries and the fundamental theorem of Euclidean Geometry. Transformations in the plane and tessellations.

**MATH 4371 MODERN GEOMETRY 3.0**

Modern Geometry. Prerequisite: Math 3000 with grade of C or higher. Euclidean and nonEuclidean geometry, including incidence, order, and the parallel postulate.

**MATH 4391 INTO TO DIFFERENTIAL GEOMETRY 3.0**

Introduction to Differential Geometry and Its Applications. Prerequisite: Math 2215 with grade of C or higher. (Same as Phys 4391.) Three lecture hours a week. The theory of curves and surfaces in parametric and implicit form. Curvature and torsion of a curve; the shape operator and the total and mean curvature of a surface. The GaussWeingarten equations; the Egregium Theorem; surfaces of constant curvature and nonEuclidean geometry. Minimal surfaces; the Gauss Bonnet Theorem; submanifolds in Euclidean spaces, vector fields, differential forms, and the theorems of Frobenius and Stokes. Applications to physics.

**MATH 4420 GRAPH THEORY 3.0**

Graph Theory. Prerequisite: Math 3000 with grade of C or higher. Introduction to graph theory; topics include structure of graphs, trees, connectivity, Eulerian and Hamiltonian graphs, planar graphs, graph colorings, matchings, independence, and domination. Additional topics may include symmetry of graphs, directed graphs, extremal graph theory and Ramsey theory, graph embeddings, and probabilistic methods in graph theory.

**MATH 4435 LINEAR ALGEBRA 3.0**

Linear Algebra. Prerequisite: Math 3435 with grade of C or higher. Theory and applications of matrix algebra, vector spaces, and linear transformations; topics include characteristic values, the spectral theorem, and orthogonality.

**MATH 4441 MODERN ALGEBRA I 3.0**

Modern Algebra I. Prerequisite: Math 3435 with grade of C or higher. Axiomatic approach to algebraic structures, groups, permutations, homomorphisms, and factor groups.

**MATH 4442 MODERN ALGEBRA II 3.0**

Modern Algebra II. Prerequisite: Math 4441 with grade of C or higher. Rings, integral domains, and fields; polynomials over a field, matrices over a field, algebraic numbers and ideals.

**MATH 4444 POLYNOMIALS 3.0**

Polynomials. Prerequisite: Math 3000 with grade of C or higher. Three lecture hours a week. The topic of polynomials is one of the oldest in mathematics and has applicability to almost every area of mathematics. The course will use algebra and analysis to study polynomials. Among topics to be covered: roots of polynomials (inequalities, relationship between the root of a polynomial and its derivative), resultants, discriminant, irreducible polynomials, special classes of polynomials (symmetric, cyclotomic, Chebyshev).

**MATH 4450 THEORY OF NUMBERS 3.0**

Theory of Numbers. Prerequisite: Math 3000 with grade of C or higher. Properties of integers, divisibility, congruence of problems.

**MATH 4455 ERROR CORRECTION CODES 3.0**

Error Correcting Codes. Prerequisite: Math 3030 or Math 3435 with grade of C or higher. Three lectures a week. This course provides an elementary, yet rigorous introduction to the theory of error correcting codes. Topics include survey of groups, finite fields and polynomials, linear algebra, Huffman codes, data compression and entropy, linear codes, ReedMuller codes, cyclic codes, BCH codes, and fast decoding BCH codes.

**MATH 4460 CRYPTOGRAPHY 3.0**

Cryptography. Prerequisite: Math 3030 or Math 3435 with grade of C or higher and the ability to program highlevel language. Three lectures a week. This course covers the mathematical background of computational and algorithmic methods for cryptography. This includes information theory, computational complexity and number theory. Methods covered include public key cryptosystems and secure methods for authentication and digital signatures.

**MATH 4544 BIostatISTICS 3.0**

Biostatistics. Prerequisites: Math 2211 and Biol 1104K or Biol 1108K or Biol 2108K with grades of C or higher. (Same as Biol 4744.) Degree credit will not be given for both Math 4544 and 4547. Principles and methods of statistics as applied to biology and medicine.

**MATH 4547 INTRO TO STATISTICAL METHODS 3.0**

Introduction to Statistical Methods. Prerequisite: grade of C or higher in a course in calculus. Degree credit will not be given for both Math 4544 and 4547. Data analysis, sampling, and probability; standard methods of statistical inference, including ttests, chisquare tests, and nonparametric methods. Applications include use of a statistical computer package.

**MATH 4548 METH OF REGRESSION/ANAL OF VAR 3.0**

Methods of Regression and Analysis of Variance. Prerequisites: grade of C or higher in a course in calculus, and a course covering methods of statistical inference. Simple and multiple regression, model selection procedures, analysis of variance,

simultaneous inference, design and analysis of experiments. Applications include use of a statistical computer package.

**MATH 4610 NUMERICAL ANALYSIS I 3.0**

Numerical Analysis I. Prerequisites: Math 2215 with grade of C or higher and the ability to program in a highlevel language. (Same as CSc 4610.) Nature of error; iteration; techniques for nonlinear systems; zeros of functions; interpolation; numerical differentiation; NewtonCotes formulae for definite integrals; computer implementation of algorithms.

**MATH 4620 NUMERICAL ANALYSIS II 3.0**

Numerical Analysis II. Prerequisites: Math 3030 or 3045 with grade of C or higher, and the ability to program in a highlevel language. (Same as CSc 4620.) Gaussian Elimination for linear systems; least squares; Taylor, predictorcorrector and Runge Kutta methods for solving ordinary differential equations; boundary value problems; partial differential equations.

**MATH 4650 INVERSE AND ILLPOSED PROBLEMS 3.0**

Inverse and IllPosed Problems. Prerequisites: Math 3030 or 3435, and Math/CSc 4610 or Math/CSc 4620 with grades of C or higher. Three lecture hours a week. Illposed problems that arise in astrophysics, geophysics, spectroscopy, computerized tomography, and other areas of science and engineering are considered in this course. Topics to be covered: a general regularization theory; variational regularization and the discrepancy principle; iterative regularization; convergence analysis and stopping rules; numerical aspects.

**MATH 4661 ANALYSIS I 3.0**

Analysis I. Prerequisite: Math 3435 with grade of C or higher. Corequisite: Math 4435. The real number system, basic topology of metric spaces, sequences and series, limits and continuity.

**MATH 4662 ANALYSIS II 3.0**

Analysis II. Prerequisite: Math 4661 with grade of C or higher. Differentiation of real functions, Reimann integrals, sequences and series of functions, differentiation and integration of functions of several variables.

**MATH 4671 TRANSFORMS IN APPLIED MATH 3.0**

Transforms in Applied Mathematics. Prerequisite: Math 3030 or Math 3435 with grade of C or higher. The Laplace transform, discrete and continuous Fourier Transforms, ztransforms, discrete filters, and wavelets.

**MATH 4751 MATHEMATICAL STATISTICS I 3.0**

Mathematical Statistics I. Prerequisite: Math 2215 with grade of C or higher. Probability, random variables and their distributions, mathematical expectation, moment generating functions, sampling distributions.

**MATH 4752 MATHEMATICAL STATISTICS II 3.0**

Mathematical Statistics II. Prerequisite: Math 4751 with grade of C or higher. Theory of estimation and hypothesis testing, applications of statistical inference, introduction to regression and correlation.

**MATH 4767 STATISTICAL COMPUTING 3.0**

Statistical Computing. Prerequisites: Math 4752 or 4548, and Math 3435 with grades of C or higher and the ability to program in a highlevel language. Computational implementation of statistical methods such as descriptive statistics, one and two sample tests, regression, correlation, ANOVA methods of estimation, and Monte Carlo techniques. Standard statistical packages will be used as well as userwritten programs.

**MATH 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and



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Honors Program director. Readings or research preparatory to Honors thesis or project.

### **MATH 4880 HONORS THESIS: WRITING 3.0**

Honors Thesis: Writing. Prerequisites: Math 4870, consent of the instructor and Honors Program director. Writing or production of Honors thesis or project.

### **MATH 4982 UNDERGRAD RESEARCH IN MATH 3.0**

Undergraduate Research in Mathematics. Prerequisites: at least 12 upperdivision hours in mathematics with grades of C or higher. Authorization required. Independent investigation of topics of common interest to student and instructor.

### **MATH 4991 SENIOR SEMINAR 3.0**

Senior Seminar. Prerequisite: Math 4661 with grade of C or higher. This course introduces students to independent research in mathematics and related areas.

### **MATH 4998 SELECTED TOPICS 1.0 to 3.0**

Selected Topics. Prerequisite: consent of instructor. No more than six credit hours may be applied toward the major. May be repeated if topics are different.

## **MES = MIDDLE EAST STUDIES**

### **MES 3110 THE ANCIENT MEDITERRANEAN 4.0**

The Ancient Mediterranean. (Same as Hist 3500.) Political, cultural, religious, economic, and social developments of the Ancient Near East, Greece and Rome and their influence on Western Civilization.

### **MES 3400 INTRODUCTION TO JUDAISM 3.0**

Introduction to Judaism. (Same as RelS 3400.) Central practices and beliefs of Jewish tradition; historical development of Judaism from its origins to the reestablishment of the state of Israel, with thematic attention given to the concept of Jewish identity. Texts include primary sources (e.g. Hebrew Bible, Mishnah) in translation, as well as noted Jewish fiction.

### **MES 3500 INTRODUCTION TO ISLAM 3.0**

Introduction to Islam. (Same as RelS 3500.) Central practices and beliefs of Islam; readings from the Qur'an, hadith and other primary sources (in translation); and contemporary issues in Islam which might include the status of women, Nation of Islam and Islamic fundamentalism and revivalism.

### **MES 3520 SUFISM & ISLAMIC MYSTICISM 3.0**

Sufism & Islamic Mysticism. (Same as RelS 3520.) The rise of ascetic and mystical tendencies in Islam; the development of Sufism and the Sufi brotherhoods; the conflict between Sufism and Islamic law, and their eventual reconciliation; antiSufi polemics of reformers and fundamentalists in modern times; the continuing importance and vitality of Sufism today.

### **MES 3710 INTRODUCTION TO JEWISH STUDIES 3.0**

Introduction to Jewish Studies. (Same as JSt 3000.) A survey of the Jewish experiences since Biblical times, with special attention to the modern period (c. 1680/1945) and contemporary period (1945present). Students synthesize material drawn from numerous disciplines, including film, history, literature, philosophy and religious studies. The course is facilitated by a lead teacher, with regular guest lectures by faculty and experts from different fields. Topics vary with faculty.

### **MES 4110 THE MIDDLE EAST, 600 TO 1800 4.0**

The Middle East, 600 to 1800. (Same as Hist 3780.) Political, cultural, social and economic development in the lands from Spain to Central Asia since the rise of Islam.

### **MES 4120 THE MIDDLE EAST SINCE 1800 4.0**

The Middle East since 1800. (Same as Hist 3790.) Political, cultural, social and economic development from Morocco to Iran, including imperialism, nationalism, independence and religious revival.

### **MES 4130 WORLDS OF EASTERN CHRISTIANITY 4.0**

Worlds of Eastern Christianity (to 1300). (Same as Hist 4525.) Transformation of the Jesus Movement from a Jewish sect into a separate Christian religion within the Near East, Africa, and entire Mediterranean world; contested views of spiritual authority; development of a network of bishops; idea of orthodoxy and heresy; graduate division of Eastern Christianity and Catholicism; the central role of the multicultural Byzantine Commonwealth implications of royal conversions and ?churchstate? relations; unity and disunity within Eastern Christianity; encounters with Islam; and proliferation of national churches, including those of the Greeks, Syrians, Armenians, Georgians, Copts, Ethiopians, and Slavic peoples.

### **MES 4140 ANCIENT NEAR EASTERN SOCIETIES 4.0**

Origins and Collapse Ancient Near East Societies. (Same as Hist 4510.) History of Egypt, Mesopotamia, Iran, the Levant, Anatolia and Central Asia from 3500 BCE to 323 BCE. Areas of exploration will include the origins of the state; the development of Egyptian and Mesopotamian kingship; the collapses of the Early and late Bronze Age; human environment interactions; nomads and settled societies; Mesopotamian literature; women's legal status; the Hittite Empire; daily life in an Egyptian village; the invention of the alphabet; Assyrian imperial terrorism; the rise of monotheism; the Persian empire.

### **MES 4150 ANCIENT PERSIA, GREECE, & ROME 4.0**

Ancient Persia, Greece, and Rome. (Same as Hist 4520.) History of Persia, Greece, and Rome from 1800 BCE to 500 CE. Areas of exploration will include Bronze Age Greece in Near Eastern context; the 12th century BCE "Catastrophe"; Archaic Greek religion; the polis; Greek drinking parties and politics; the Persian conquest; the rise of Zoroastrianism; Hellenic syncretism; Parthia and Rome as the heirs of Hellenism; the metropolitan Roman empire; disease and demography in Late Antiquity; and the rise of Christianity.

### **MES 4210 POL MIDDLE EAST/NORTH AFRICA 3.0**

Politics of the Middle East and North Africa. (Same as PolS 4260.) Politics and culture of the region. Contemporary issues including: the region's relations with the West, regional conflict, and increasing role of religious movements in politics.

### **MES 4220 POL & RELIGN IN COMPAR PERSPCT 3.0**

Politics and Religion in Comparative Perspective. Prerequisite (recommended): PolS 3200 or PolS 3400. (Same as PolS 4285.) Role of religious beliefs and institutions on political behavior.

### **MES 4230 MODEL ARAB LEAGUE 2.0**

Model Arab League. Prerequisite: consent of instructor. (Same as PolS 4952.) An exercise in modeling the process and politics of the Arab League. May be repeated for credit.

### **MES 4310 GEOG MIDDLE EAST/NORTH AFRICA 4.0**

Geography of the Middle East and North Africa. (Same as Geog 4408.) An examination of the physical and human geography of the Middle East from Iran to Morocco. Emphasis is placed on forces that define and shape the Middle East today, including the peace process, water resource management, economic development, and the balance between religious and secular life.

### **MES 4420 MODERN JUDAISM 3.0**

Modern Judaism. (Same as RelS 4450.) Key issues and historical events shaping Judaism in the modern world, including Zionism, the development of Jewish denominations, the Holocaust, Middle East conflict, women's roles in Jewish life, and the

development of Judaism in the United States. No previous knowledge of Judaism is required; all readings are in English.

**MES 4430 ISLAMIC FUND & MODERN WORLD 3.0**

Islamic Fundamentalism and the Modern World. (Same as ReLS 4480.) Modern Islamic movements including modernization, secularization and fundamentalism. Emphasis on fundamentalist views on women, politics, popular religious practices and violence; Muslim responses and alternatives to fundamentalism.

**MES 4440 SPECIAL TOPICS IN ISLAM 3.0**

Special Topics in Islam. (Same as ReLS 4570.) Investigation of a specific theme, figure(s) or text(s) within Islam, such as Islamic ethics, historical portrayals of Muhammad, or the Nation of Islam. May be repeated if topic varies.

**MES 4450 LIFE OF MUHAMMAD 3.0**

Life of Muhammad. (Same as ReLS 4580.) Study and contrast of various perspectives of the life of the Prophet Muhammad including medieval Muslim hagiographies, medieval European polemics, and modern reinterpretations of both Muslims and non-Muslims.

**MES 4460 TOPICS IN JUDAISM 3.0**

Topics in Judaism. (Same as ReLS 4490.) Examination of selected topics in Judaism. May be repeated if topics vary.

**MES 4510 ART OF ANCIENT EGYPT AND NUBIA 3.0**

Art of Ancient Egypt and Nubia. (Same as AH 4010 and AAS 4310.) Survey of painting, sculpture, architecture and minor arts in ancient Egypt and Nubia with reference to their chronological development and underlying historical, religious and cultural meanings.

**MES 4511 ART & ARCH OF ANCIENT EGYPT I 3.0**

Art and Architecture of Ancient Egypt I: 4000-1600 BC. Prerequisite: AH 1700 with grade of C or higher, or consent of instructor. (Same as AH 4011.) An examination of the art and architecture of ancient Egypt from the predynastic period to the Middle Kingdom with reference to stylistic characteristics and historical, religious and cultural contexts.

**MES 4512 ART & ARCH OF ANCIENT EGYPT II 3.0**

Art and Architecture of Ancient Egypt II: 1600-31 BC. (Same as AH 4012.) Art and architecture of ancient Egypt from the New Kingdom to the Ptolemaic Period with reference to stylistic development and historical, religious and cultural contexts.

**MES 4520 ART/ARCHITECT ANCIENT NEAR EAST 3.0**

Art and Architecture of the Ancient Near East. Prerequisite: AH 1700 with grade of C or higher, or consent of the instructor. (Same as AH 4020.) An investigation of art and society from the Neolithic period to Alexander the Great, using archaeological data and art historical methods to analyze ancient objects and monuments.

**MES 4590 SPECIAL STUDIES SEMINAR 1.0 to 6.0**

Special Studies Seminar. This course offers an in-depth examination of an issue in Middle East Studies.

**MES 4999 DIRECTED READINGS 1.0 to 4.0**

Directed Readings. Prerequisite: consent of instructor.

## **MGS = MANAGERIAL SCIENCES**

**MGS 3100 BUSINESS ANALYSIS 3.0**

Business Analysis. (Formerly DSC 3120). Prerequisite: Math 1070. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester

hours. This course provides a frame of reference for using models in support of decision making in an enterprise, then introduces some of the most commonly useful modeling approaches and principles. Topics covered include model components, simulation, optimization, time series and causal forecasting, decision analysis, Monte Carlo simulation, and quality management. The course emphasizes hands-on application of the techniques using commonly available software, and demonstrates the value of these approaches in a wide variety of functional settings.

**MGS 3400 MANAGING PEOPLE IN ORGS 3.0**

Managing People in Organizations. (Formerly MGT 3500). Prerequisite: none. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 6, 7. This course provides an overview of management in organizations. Students will be introduced to fundamental organizational concepts such as organizational systems, organizational design and structure, and the decision-making process. In addition, students will be introduced to the study of human behavior in organizations. The organizational behavior topics emphasized include team building, communication, leadership, motivation, ethics and social responsibility. The focus of the course is to examine, from a managerial perspective, the effect of individual, group, and organizational variables on organizational performance.

**MGS 4000 MANAGERIAL DECISION MAKING 3.0**

Managerial Decision Making. (Formerly DSC 4130, same as MGT 4130). Prerequisite: Math 1070. Requires a 2.5 GSU GPA and 45 semester hours. Bcom 3950. This course focuses on how managers, individually and in groups, make decisions. It covers the major descriptive and normative models of managerial problem diagnosis and alternative generation. By comprehending how managers solve problems, students are prepared to build computer-based support tools. Cases and mini-examples are used to apply the concepts and methods to real-world problems.

**MGS 4020 BUSINESS INTELLIGENCE 3.0**

Introduction to Business Intelligence. (Formerly DSC 4020). Prerequisite: Mgs 3100. CSP: 1, 2, 4, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on the features, uses, and design strategies for IT-enabled managerial decision support. Model-based, and knowledge-based application for business intelligence and corporate decision-making are emphasized. Implementation issues in the context of emerging business environments are also addressed. Application areas include financial analysis, marketing research, and project management.

**MGS 4110 ANALYSIS OF BUSINESS DATA 3.0**

Analysis of Business Data. (Formerly DSC 4100). Prerequisite: Math 1070 or consent of instructor. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. The aim of this course is to provide the student with the background to run a statistical project from the data collection stage through analysis and interpretation of the results. The course is divided into three major parts. The first part of the course discusses data collection methods including the various common sampling designs and questionnaire development. In the second part, students are introduced to the high-level statistical package SAS to provide them with the power to perform data analysis. In the third part, the students will use the procedures from SAS to analyze and interpret the data.

**MGS 4120 OPTIMAL RESOURCE ALLOCATION 3.0**

Optimal Resource Allocation. (Formerly DSC 4120). Prerequisite: Mgs 3100. CSP: 1, 3, 4, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on optimization modeling and sensitivity analysis to help managers craft well-formed, well-justified decisions. Students design optimization models for realistic cases, implement them using spreadsheets, and write the results in the form of a non-technical recommendation to management backed up by clearly organized technical appendices.

**MGS 4140 BUSINESS MODELING 3.0**

Business Modeling. (Formerly DSC 4240). Prerequisite: Mgs 3100. CSP: 1, 2, 3, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the development, implementation, and utilization of business models for managerial decision making. Various techniques for analytical modeling, such as forecasting, optimization, simulation, decision analysis, and classification, are discussed. Students gain mastery in developing complex financial models implemented in decision support systems that covers applications in strategic, planning, financial management, operations/project management, and marketing research. These topics are covered in the context of the emerging information technology architecture.

**MGS 4300 MANAGING HUMAN RESOURCES 3.0**

Managing Human Resources. (Formerly MGT 4300). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. This course provides a survey of the field of human resource management. Topics covered include strategic human resource management, recruitment, selection, legal basis of human resource management, performance evaluation, training and development, compensation, and labor relations.

**MGS 4320 LEGAL ENVIRONMENT OF HR MGT 3.0**

Legal Environment of Human Resource Management. (Formerly MGT 4510). Prerequisite: Mgs 4300 or consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. This course examines the legal environment that directly impacts the human resource functions of organizations. Federal, state, and local legislation and important court and administrative decisions are highlighted, especially recent developments, for their impact upon managerial decision making.

**MGS 4360 HUMAN RESOURCE SELECTION 3.0**

Human Resource Selection. (Formerly MGT 4360). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on the selection process in organizations. Topics covered include job analysis, measurement, equal employment opportunity laws, applications, interviews, psychological tests, and performance appraisal. Theory and research underlying selection principles are reviewed, and practical application is emphasized.

**MGS 4385 EMPLOYEE BENEFIT PLANS 3.0**

Employee Benefit Plans. (Same as RMI 4530.) (Formerly MGT 4580). Prerequisite: Mgs 3400. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course examines the characteristics and design of employee benefit plans, including group insurance, pensions, and profit sharing. These plans are evaluated in terms of their cost and effectiveness. Consideration is given to employee communications, taxation, collective bargaining, social insurance systems, and international benefit programs.

**MGS 4389 DIRECTED READING IN MGS 1.0 to 3.0**

Directed Reading in Managerial Science. (Formerly DSC 4389, MGT 4389). Prerequisites: MGS 3400 or consent of instructor.

**MGS 4390 COMPENSATION 3.0**

Compensation. (Formerly MGT 4390). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. Compensation plans are designed and implemented to provide fair remuneration for services received. This course discusses the major environmental influences on compensation practices and shows how those influences as well as organizational and employee influences are translated into the development of equitable pay systems within organizations. The course also examines how the external environment affects the types of benefits employers choose to provide for their employees.

**MGS 4395 HRM FIELD STUDY 3.0**

HRM Field Study. (Formerly MGT 4395). Prerequisites: Mgs 3400, Mgs

4300, and either Mgs 4360 or Mgs 4390; plus consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. This course allows students nearing completion of their undergraduate program in human resources the opportunity to work with other students to complete a management consulting project assigned by a local corporation. Students apply skills learned in previous courses and expand their knowledge of concepts and practices in the field by working with business sponsors and local practitioners. Students make written and oral reports to management on assigned research findings and recommendations for action.

**MGS 4420 BECOMING A LEADER 3.0**

Becoming a Leader. (Formerly MGT 4220). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. Students critically evaluate the definition and meaning of leadership, developing their own interpretations and definitions of leadership after learning how others have interpreted and defined it. They also analyze their own leadership strengths and limitations and engage in activities to improve their leadership skills.

**MGS 4430 NEGOTIATION 3.0**

Negotiation. (Formerly MGT 4250). Prerequisite: MGS 3400 or consent of instructor. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to help students become better negotiators by understanding and practicing the negotiation strategies and tactics appropriate for different situations. The course focuses primarily on negotiation planning, distributive negotiation, and integrative negotiation. The course is a general treatment of negotiation that is useful to students from a broad range of majors.

**MGS 4440 WORKING IN TEAMS 3.0**

Working in Teams. (Formerly MGT 4440). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. This course provides a structured approach to better understand how teamwork contributes to organizations, the conditions that make interactions between people and groups highly effective, and how to best put this effectiveness to work. Topics include work teams as a vehicle to improving organizational performance, designing a teambased organization, team organizational models, work team implementation issues, training and developing teams, team building programs, and leadership in a teambased organization.

**MGS 4470 ORGANIZ COMMUNICATION 3.0**

Organizational Communication. (Formerly MGT 4370). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. This course provides an understanding of the importance of communication within organizations and knowledge of the nature of the communications process. It promotes the ability to analyze and deal with communications potentials and problems as part of the organizing process.

**MGS 4500 ENTREPRENEURSHIP/NEW VEN MGT 3.0**

Entrepreneurship and New Venture Management. (Formerly MGT 4500). Prerequisites: Mgs 3400, Fi 3300, Mk 3010. Requires a 2.5 GSU GPA and 45 semester hours. The purpose of this course is to acquaint the student with the personal qualities of successful entrepreneurs, to provide the student with information required in order to establish a new business venture, and to present the unique management problems which face entrepreneurs in starting and operating new ventures. The course provides the student with an opportunity to research the idea of starting or taking over a business.

**MGS 4550 MANAGING A FAMILY BUS 3.0**

Managing a Family Business. (Formerly MGT 4550). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. Management principles and practices are examined within the context of a familyowned business. The class has two distinct

purposes: to increase the students' understanding and effectiveness as members of family firms and to heighten self-awareness regarding roles and career opportunities within family firms.

### **MGS 4560 SMALL BUSINESS MGT 3.0**

Small Business Management. (Formerly MGT 4750). Prerequisites: Fi 3300, Mgs 3400, Mk 3010; or consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. This course provides students with an opportunity to learn how to manage a newly organized or acquired small business. The course begins with the start up phase of the business, and students are shown how to develop the business and make a profit. The mission, objectives, goals, and strategies are set for an actual small business. Staffing decisions, from hiring operative employees to the board of directors, are made. Major emphasis is placed on the design, integration, and operation of the production, marketing, and finance departments of the business to create a high-quality product or service.

### **MGS 4590 ENTREPRENRSHF FIELD STUDY 3.0**

Entrepreneurship Field Study. (Formerly MGT 4505). Prerequisite: consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. Entrepreneurship field study immerses students in the planning and execution of entrepreneurial activities in a small existing or start up business. Activities involve new business formation, new product planning and introduction, organization direction setting and control, management of growth, or turnaround. While students are under the general supervision of the faculty, they are expected to display responsible independent action and to interact frequently with a business founder, owner, or chief executive. The course may be repeated once for credit.

### **MGS 4610 CORP SOC RESPONSIBILITY 3.0**

Corporate Social Responsibility. (Formerly MGT 4900). Prerequisite: Mgs 3400. Requires a 2.5 GSU GPA and 45 semester hours. This course is centered upon the theory and application of Corporate Social Responsibility. The concept of the triple bottom line, i.e. planet, people and profits is examined for a variety of global corporations. These "three P's" re-enforce the notion of stakeholder issues taking precedence over shareholder concerns. We examine the interrelationships among business, government and society and develop a framework of corporate sustainability and opportunity balanced with corporate awareness and responsibility.

### **MGS 4700 OPERATIONS MANAGEMENT 3.0**

Operations Management. (Formerly MGT 4700). Prerequisites: Mgs 3400, Mgs 3100. CSP: 1. Requires a 2.5 GSU GPA and 45 semester hours. This course provides an introduction to the concepts underlying production and operations management. Such topics as inventory control, supply chain management, quality control, work measurement, and production methods, are covered. The topics covered are integrated using a systems approach to the operations of an organization.

### **MGS 4730 PROJECT MANAGEMENT 3.0**

Project Management. (Formerly MGT 4730). Prerequisites: Math 1070, Mgs 3400. CSP: 1. Requires a 2.5 GSU GPA and 45 semester hours. This course addresses the structured process for managing projects. The emphasis in the course is on defining, planning, and controlling projects to successfully complete them within quality specifications, on schedule, and within budget. Project management software is used in the course. Other topics include project organization, roles of the project manager and team members, and project leadership.

### **MGS 4740 OPERATIONS STRATEGY 3.0**

Operation Strategy. (Formerly MGT 4740). Prerequisites: Mgs 3100, Mgs 4700. Requires a 2.5 GSU GPA and 45 semester hours. This course addressed the development and implementation of

production/operations strategy and the integration of this strategy with the corporate/business strategies and with those of other functional areas. Topics include planning and implementation of operations strategies, organizational design for operations, and productivity improvement.

### **MGS 4760 TOTAL QUALITY MANAGEMENT 3.0**

Total Quality Management. (Formerly MGT 4760, DSC 4760). Prerequisite: Mgs 3100. CSP: 1, 2, 3, 6. Requires a 2.5 GSU GPA and 45 semester hours. The course emphasizes the strategic importance of quality, the management of quality, problemsolving tools for quality assurance, and statistical process control methods. In addition, this course provides the business student with a set of skills for achieving and maintaining quality assurance and process or service control. Cases and problem solving exercises reinforce the basic concepts and principles of Quality Management.

### **MGS 4770 SERVICE OPERATIONS MGT 3.0**

Service Operations Management. Prerequisite: Mgs 4700; CSP: 1, 2, 3, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on the analysis of service sector performance and methods designed to improve service operations from a competitiveness standpoint. The topics covered are crossfunctional in nature including operations, marketing, human resource management, information technology and entrepreneurship and are presented as an integrated system approach to the service organization.

### **MGS 4860 MANAGEMENT STUDIES ABROAD 3.0**

Management Studies Abroad. (Formerly MGT 4660). Prerequisites: Mgs 3400, consent of instructor. Requires a 2.5 GSU GPA and 45 semester hours. Emphasizing a collaborative rather than competitive learning environment, this course examines the interrelatedness of economic, political, legal, social, and cultural factors on crosscultural management issues. Concepts of human behavior, motivation, strategy, and labor/management relations are linked to practice in different national settings. An extensive international onsite program is an integral part of this program. Interviews are conducted at a broad range of organizations and industries. Objectives include cultivating a global mindset and developing a richer understanding of international business challenges relating to management. Company visits showcase evolving corporate profiles in the global marketplace.

## **MK = MARKETING**

### **MK 3010 BASIC MARKETING 3.0**

Basic Marketing. Prerequisite: Econ 2106. Requires a 2.5 GSU GPA and 45 semester hours. B.B.A. students may not register for this course until Econ 2105, Econ 2106, and Acct 2102 are passed with degree credit. As the marketplace continues to adopt more electronic tools to facilitate business processes and expand to the international arena, the discipline of marketing is emerging as more important than ever in helping organizations better assure their ongoing viability. This course provides an overview of marketing as a management process. Upon its successful completion, students will gain the ability to make better business decisions by understanding how to assess the marketing environment, design and conduct marketing research, and determine what elements are most important to customers as they make purchasing decisions. Topics covered include the use of marketing tools to develop and manage actual products and services, how to maximize prices on those products and services, how to distribute products and services, how to maximize prices on those products and services, and how to promote them. Finally, discussions will take place on how to compile the marketing information and decisions in a strategic plan that helps guide organizations' offerings to commercial success.



**MK 4100 BUYER BEHAVIOR 3.0**

Buyer Behavior. Prerequisite: Mk 3010. Requires a 2.5 GSU GPA and 45 semester hours. Basic concepts and research results from marketing and the social sciences are examined with the goal of enabling marketers to better understand customers and meet their needs. The decision process of buyers, factors affecting purchasing decisions, and customer satisfaction are major conceptual areas of the course. Implications for marketing strategies (e.g., market segmentation, product design, and promotion) are discussed.

**MK 4200 MARKETING RESEARCH 3.0**

Marketing Research. Prerequisite: Mk 3010, Mgs 3100. CSP: 1, 2, 4. Requires a 2.5 GSU GPA and 45 semester hours. This course helps students make effective and efficient use of market information. Organizational issues, problem formulation, secondary data sources, survey sampling, measurement principles, questionnaire design, interviewing, basic data analysis, research ethics, new technologies, and international aspects are all introduced.

**MK 4300 ADVERTISING 3.0**

Advertising. Prerequisite: Mk 3010. CSP: 1. Requires a 2.5 GSU GPA and 45 semester hours. This course examines advertising as a business, as a marketing tool, as a creative process, and as a hybrid discipline which draws from both the arts and the sciences. The course is taught from a social as well as a managerial orientation. From a social perspective, emphasis is placed on the history of advertising, as well as current social, ethical, and legal issues. From a managerial perspective, students learn about the advertising process, including such topics as diagnostic evaluative research, concept development, creative and media strategy, and global issues.

**MK 4310 ADVERTISING CAMPAIGNS 3.0**

Advertising Campaigns. Prerequisite: Mk 4300. CSP: 1, 2, 4, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to train students in the planning, execution, and evaluation of advertising strategies. Students apply decision criteria to every stage in the advertising process: analysis of industries, competitors, consumers, and products; market segmentation; objective setting; budget allocation; product positioning; development of creative strategy and tactics; media planning; and advertising evaluation. Through the use of an extensive campaign project, students learn firsthand the challenges of creating effective advertising programs.

**MK 4330 PRINCIPLES OF SELLING 3.0**

Principles of Selling. Prerequisite: Mk 3010. Requires a 2.5 GSU GPA and 45 semester hours. Bcom 3950. Basic principles and techniques of professional selling are studied with an emphasis on practical applications to sales situations in a variety of markets. The influences on selling effectiveness of economic and psychological relationships, buying motives, and product performance in both industrial and consumer goods/services markets are examined.

**MK 4340 SALES MANAGEMENT 3.0**

Sales Management. Prerequisite: Mk 3010. Requires a 2.5 GSU GPA and 45 semester hours. Bcom 3950. This course examines the sales management function in contemporary business organizations. Emphasis is placed on the formulation, implementation, and evaluation of a strategic sales program. Specific topics addressed include ethical and legal issues in sales management, selection and recruiting, territory design, quotas, organizing the sales force, compensation, motivation, leadership and coaching, and evaluation of salesperson performance. The course also emphasizes a mix of conceptual and applied information to provide a balanced view of sales management. The strategic nature of sales management decisions is another major topic.

**MK 4389 DIRECT READ IN MARKETING 1.0 to 3.0**

Directed Readings in Marketing. Prerequisite: Mk 3010, consent of instructor.

**MK 4400 DISTRIBUTION MANAGEMENT 3.0**

Distribution Management. Prerequisite: Mk 3010. Bcom 3950. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2. Distribution management deals with the management of those activities involved in making goods and services available for businesses and consumers. In this course, students develop understanding of how various institutions in the marketing channel perform these functions cost effectively to meet changing customer expectations. Emphasis is placed on the functions associated with the flow of inventories and related information or logistics aspects of distribution including marketing channels, customer service, order management and information systems, transportation management, inventory management, and warehousing. Toward the end of the course, students learn how to integrate these functions into a total distribution/ logistics system from a supply chain perspective.

**MK 4420 RETAILING 3.0**

Retailing. Prerequisite: Mk 3010. Bcom 3950. Requires a 2.5 GSU GPA and 45 semester hours. This course introduces the student to the basic principles of retailing, the diversity and dynamism of the retail industry, and tools for improving productivity. The course is designed to strike a balance between academic credibility and the basic, tradeoriented needs of the jobseeking student. It presents practical methods and procedures within a conceptual, theoretical framework. Hands-on projects and case applications are used to achieve this purpose.

**MK 4510 BUSINESS TO BUSINESS MKT 3.0**

Business-to-Business Marketing. Prerequisite: Mk 3010. Bcom 3950. Requires a 2.5 GSU GPA and 45 semester hours. This course focuses on strategy development for marketers whose customers include other businesses, the government, and institutions. It explores the buying behavior of organizations as customers and ways to segment the organizational market. In addition, the course highlights how the product development process for such customers differs from the processes used for consumer products and services. Other topics include channels of distribution strategy including electronic issues, supply chain management, price bidding, and new trends in personal selling and sales management.

**MK 4600 INTERNATIONAL MARKETING 3.0**

International Marketing. Prerequisite: Mk 3010. Bcom 3950. Requires a 2.5 GSU GPA and 45 semester hours. This course aims to broaden students' appreciation of world markets and to provide knowledge and skills needed for recognizing, evaluating, and managing the international function. Through lectures, cases, and hands-on projects, students are introduced to the economic, sociocultural, financial, and legal political factors affecting international marketing and to the problems and opportunities associated with doing business on a global scale.

**MK 4620 PRODUCT MANAGEMENT 3.0**

Product Management. Prerequisite: Mk 3010. Bcom 3950. Requires a 2.5 GSU GPA and 45 semester hours. CSP: 1, 2. The objective of this course is to familiarize students with applications of relatively recent new product planning techniques. The course will emphasize the use of market research data and marketing models for new product development and management. The main topics to be covered in this course are idea generation, concept evaluation, optimal product design, test marketing, product positioning, market segmentation, market share estimation, product packaging, advertising testing, pricing, brand name selection, brand equity, and global product planning.

**MK 4900 MARKETING PROBLEMS 3.0**

Marketing Problems. Prerequisite: completion of 12 semester hours in marketing. Requires a 2.5 GSU GPA and 45 semester hours. Courses including Mk 3010, Mk 4100, and Mk 4200. CSP: 1, 2, 3. Prerequisites are strictly enforced. This is the capstone course focusing on the application of concepts from all courses in the marketing major. It provides students with hands-on experience with marketing decision making. About half of the course covers discussion of students' analysis of comprehensive cases of marketing problems faced by real organizations. Students prepare case recommendations which are the focus of discussion. The rest of the course covers presentation/discussion of a project where student teams gain experience with several marketing tools while helping local businesses develop marketing solutions. Students prepare a written report and multimedia presentation for each of the four project assignments and make presentations to the class and their client company.

**MSL = MILITARY SCIENCE LEADERSHIP****MSL 1010 FOUNDATIONS OF OFFICERSHIP 1.0**

Foundations of Officership. Introduces students to issues and competencies that are central to a commissioned officer's responsibilities. Established framework for understanding officership, leadership, and Army values followed and "life skills" such as physical fitness and time management.

**MSL 1020 BASIC LEADERSHIP 1.0**

Basic Leadership. Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills and an introduction to counseling.

**MSL 2010 INDIVIDUAL LEADERSHIP STUDIES 1.0**

Individual Leadership Studies. Students identify successful leadership characteristics through observation of others and self through experiential learning exercises. Students record observed traits (good and bad) in a dimensional leadership journal and discuss observations in small group settings.

**MSL 2020 LEADERSHIP & TEAMWORK 1.0**

Leadership & Teamwork. Student examines how to build successful teams, various methods for influencing action, effective communication in setting and achieving goals, the importance of timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback.

**MSL 3010 LEADERSHIP & PROBLEM SOLVING 3.0**

Leadership & Problem Solving. Prerequisite: MSL 1010, MSL 1020, MSL 2010, or MSL 2020 with grade of C or higher, or completed ROTC basic camp, or military service equivalent. Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities.

**MSL 3020 LEADERSHIP & ETHICS 3.0**

Leadership & Ethics. Prerequisite: MSL 1010, MSL 1020, MSL 2010, or MSL 2020 with grade of C or higher, or completed ROTC Basic Camp, or military service equivalent. Examines the role communications, values, and ethics play in effective leadership. Topics include ethical decisionmaking, consideration of others, spirituality in the military, and survey Army leadership doctrine. Emphasis on improving oral and written communication abilities.

**MSL 3030 LEADERSHIP TRAINING CAMP 8.0**

Leadership Training Camp. Prerequisite: consent of instructor. Successful completion of LTC requires a cadet to meet or exceed

the standard in a variety of objective evaluations. At LTC cadets will learn, develop, and practice leadership within a challenging, stressful, and competitive framework. The LTC environment provides a cadre an opportunity to evaluate overall officer potential and characteristics such as loyalty, duty, respect, selfless service, honor, integrity, personal courage, and leadership.

**MSL 4010 LEADERSHIP AND MANAGEMENT 3.0**

Leadership and Management. Prerequisite: MSL 1010, MSL 1020, MSL 2010, or MSL 2020 with grade of C or higher or military equivalent. Develops student proficiency in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developmental counseling techniques.

**MSL 4020 OFFICERSHIP 3.0**

Officership. Prerequisite: MSL 1010, 1020, 2010, or 2020 with grade of C or higher, or military service equivalent. Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semesterlong Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

**MSL 4030 NATL ADV LEADERSHIP CAMP 8.0**

National Advanced Leadership Camp. Prerequisite: consent of instructor. ROTC National Advanced Camp is the most important training event for an Army ROTC cadet. The 32-day camp incorporates a wide range of subjects designed to develop and evaluate leadership ability. The challenges are rigorous and demanding, both mentally and physically. Advanced Camp tests intelligence, common sense, ingenuity, and stamina. These challenges provide a new perspective on an individual's ability to perform exacting tasks and to make difficult decisions in demanding situations.

**MTM = MUSIC TECHNOLOGY MANAGEMENT****MTM 3010 INTRO TO MUSIC INDUSTRY 3.0**

Introduction to the Music Industry. Prerequisite: Engl 1102 with grade of C or higher. Overview of music industry with emphasis on terminology, bibliographic materials, writing, and key concepts. Investigation of multiple career opportunities. Beginning instruction in music industry promotional methods.

**MTM 3020 PROMOTION OF RECORDED MUSIC 3.0**

Promotion of Recorded Music. Prerequisite: MTM 3010 with grade of C or higher. Examines the environment in which record company promotion representatives operate and the techniques used to gain media exposure for their company's product. Emphasis on understanding the various radio formats and their agendas and preparing presentations that will have an impact on programming decisions.

**MTM 3030 MARKET AND BRANCH SALES MI 3.0**

Marketing and Branch Sales in the Music Industry. Prerequisite: MTM 3010 with grade of C or higher. Introduction to the principles and methods of wholesaling, retailing, distribution, and promotion in the recording, print, and music products industries. Day-to-day management of branch operations and the coordination of departments.

**MTM 3040 PRACTICUM 2.0**

Practicum. Prerequisite: MTM 3010 with grade of C or higher, or consent of MTM faculty. Part-time supervised field experience in an approved music technology or management setting.



**MTM 3050 LEGAL ASPECTS OF MUS IND 3.0**

Legal Aspects of the Music Industry. Prerequisite: MTM 3010 with grade of C or higher. Copyrights, contracts, and legal considerations in recording, producing, artist representation, retail, and other areas of the music industry. Examination of wellknown legal cases pertaining to the music industry.

**MTM 3060 INTERNSHIP I 3.0**

Internship I. Prerequisite: MTM 3010 with grade of C or higher. Oncampus internship or representative experiences in the music industry.

**MTM 3070 INTERNSHIP II 3.0**

Internship II. Prerequisites: MTM 3060 with grade of C or higher, and consent of the MTM faculty. Second internship experience in an approved onthejob music industry setting.

**MTM 3080 INTERNSHIP 6.0**

Internship. Prerequisite: consent of MTM faculty. Fulltime internship in a music technology or management setting. May be repeated for credit.

**MTM 3110 INTRO AUDIO RECORDING 4.0**

Introduction to Audio Recording. Prerequisites: Phys 1111K, Phys 1112K, Phys 2030K, and Mus 2440 with grades of C or higher. Two lecture and two laboratory hours. Introduction to modern recording techniques and applications of recorded sound. Historic overview of recording focusing on development of consoles, tape machines, and related equipment. Psychophysics of sound and musical psychoacoustics as they relate to audio recording, including critical listening skills. Introduction to the laboratory recording equipment and techniques. Required laboratory work.

**MTM 3120 DIGITAL AUD TECH AND RCRD 4.0**

Digital Audio Technology and Recording Techniques. Prerequisites: MTM 3110, Phys 1111K, Phys 1112K, Phys 2030K, and Mus 2440 with grades of C or higher. Two lecture and two laboratory hours. Studiobased introduction to the vocabulary, techniques, and procedures used in professional recording environments. Audio theory, introduction to digital audio science, psychoacoustics, console operation, advanced microphone techniques, monitor systems, noise reduction, and analysis of association equipment and technical usage. Required laboratory work.

**MTM 3130 ADV TPCS RECDG AUD PROD 4.0**

Advanced Topics in Recording and Audio Production. Prerequisites: MTM 3120, Phys 1111K, Phys 1112K, Phys 2030K, and Mus 2330 with grades of C or higher. Two lecture and two laboratory hours. Studiobased application of recording techniques including musical judgments in audio mixing, recording production, and postproduction. Editing, mastering, and master recording preparation. Laboratory training in techniques for highquality audio recording commensurate with commercial and artistic standards. Creation of a professional audio product through the development of independent recording sessions including selection of material and final editing and mastering. Required laboratory work.

**MTM 3230 AUDIO POST PRODUCTION 4.0**

Audio PostProduction. Prerequisite: MTM 3110 with grade of C or higher. Three lecture hours and three laboratory hours. Introduction to the digital audio workstation as the central tool for audio postproduction. Emphasis on random access editing for master preparation, applications to the broadcast fields, and related topics. Introduction to audio forensics and digital sign processing for sound reconstruction and enhancement. Introduction to compactdisc mastering. Digital filter theory, timefrequency manipulations, and software for audio postproduction are also covered.

**MTM 3250 MUSIC VIDEO PRODUCTION 2.0**

Music Video Production. Prerequisite: MTM 3010 with grade of C or higher, or consent of instructor. Visual and audio composition of music video production; aesthetic and technical aspects such as staging, direction, lighting, sound, and continuity; technical preparation in pre and postproduction and business/legal implications.

**MTM 3300 COPYRIGHT AND MUSIC PUBL 3.0**

Copyright and Music Publishing. Prerequisite: MTM 3010 with grade of C or higher. An examination of the processes of songwriting and music publishing. Copublishing and administration, performance and mechanical royalties, copyright law, income sources, contractual agreements, licensing, and foreign rights will be covered. Emphasis will be placed on how music publishing works in the print, broadcast media, film, video, recording and advertising industries.

**MTM 3440 ENTREPRENEURSHIP MUS IND 2.0**

Entrepreneurship in the Music Industry. Prerequisite: MTM 3010 with grade of C or higher. Decisionmaking for starting a business; emphasis on business organization. Accounting methods, royalty statements, balance and income sheets, cash flow, operational and regulatory taxes, breakeven analysis financing, project/financial/acquisition forecasting, touring and artist entity operations; creation of a business plan; topics include record labels, video, publishing, promotion, retail store, and recording studio business.

**MTM 3450 ARTIST REPRESENTATION 2.0**

Artist Representation. Prerequisite: MTM 3010 with grade of C or higher. Responsibilities of the personal and business manager, booking agent, and other representatives as they relate to the development of artists' careers; topics include contract negotiation, promotional packages, and securing employment.

**MTM 3600 INTNL RECORDING INDUSTRY 2.0**

International Recording Industry. Prerequisite: MTM 3010 with grade of C or higher. Examines the specifics of operating as a music professional within the recording industry in foreign territories, either as a U.S. entity selling its product or service abroad, or as a foreign entity doing business within the U.S. market.

**MTM 4900 MUSIC TECH FINAL PROJECT 3.0**

Music Technology Final Project. Prerequisites: MTM 3120 with grade of C or higher, and consent of instructor. Culminating project in music technology developed with faculty guidance.

**MTM 4910 MUSIC MGT SEN PROJECT 1.0**

Music Management Senior Project. Prerequisite: consent of MTM faculty. Culminating project for students in the music management concentration.

## **MUA = MUSIC APPRECIATION**

**MUA 1059 UNIVERSITY BASKETBALL BAND 1.0**

University Basketball Band. Repertoire, performance, and technique for enhancing school spirit and university athletic activities. Open to all university students who can perform at required level on an appropriate instrument. Audition required.

**MUA 1500 JAZZ:ORIGINS,STYLES,INFLU 3.0**

Jazz: Its Origins, Styles, and Influence. Study of the development of jazz from its origins to current trends, including stylistic periods such as New Orleans, swing, bop, cool, avant garde, and fusion. Emphasis on evolution of form, improvisational style, and influential artists.

**MUA 1700 BEGIN PIANO/NONMUS MAJOR 2.0**

Beginning Piano for NonMusic Majors. Two lectures per week. A unified

approach to beginning piano study. Skill development in reading music, harmonizing simple tunes, and improvising and transposing. Learning of simple solo and ensemble pieces as well as developing a good technical approach to the keyboard.

**MUA 1800 INTRO GUITAR: TECH, METH, STYL 2.0**

Introduction to Guitar: Technique, Methods, and Styles. Principles of guitar performance, including folk, blues, rock, and classical styles. Chords and fingerpicking. No prior experience necessary. Acoustic guitar required.

**MUA 1900 DRAM MUS:REN THRU 20TH CEN 3.0**

Dramatic Music from the Renaissance through the Twentieth Century. For the general college student. A basic history of opera and musical theatre through lecture and listening. Ability to read music is not required.

**MUA 1920 POP MUS MULTICULT AMERICA 3.0**

Popular Music of Multicultural America. Influence of unique music cultures, including Native American, EuroAmerican, AfricanAmerican, ChicanoLatino American, on contemporary American music. Includes rock, blues, jazz, hiphop and rap, Cajun, zydeco, spirituals, and others. Interactive lectures, performance demonstrations, concerts, and listening. Webbased activities and assignments.

**MUA 1930 MUSIC, SOCIETY, AND CULTURE 3.0**

Music, Society, and Culture. The role of music, including its basic elements, forms, styles, and media, in modern culture. Interactive lectures, performance demonstrations, concerts, listening, and participation, including web based learning. No prior musical experience required.

**MUA 1960 INTRO TO WORLD MUSIC 2.0**

Introduction to World Music. World music from a comparative standpoint, emphasizing how music functions differently in the cultural lives of various people and communities. Role of music in liturgy and ritual, entertainment, artistic expression, and community traditions.

**MUA 1970 RHYTHM 'N' BLUES, ROCK AND RAP 3.0**

Rhythm 'N' Blues, Rock and Rap. Origin and development of contemporary popular music, with a focus on rhythm 'n' blues, rock and rap music.

**MUA 3059 UNIVERSITY BASKETBALL BAND 1.0**

University Basketball Band. Repertoire, performance, and technique for enhancing school spirit and university athletic activities. Open to all university students who can perform at required level on an appropriate instrument. Audition required.

**MUA 3500 JAZZ:ORIGINS,STYLES,INFLUENCE 3.0**

Jazz: Its Origins, Styles, and Influence. Study of the development of jazz from its origins to current trends, including stylistic periods such as New Orleans, swing, bop, cool, avant garde, and fusion. Emphasis on evolution of form, improvisational style, and influential artists.

**MUA 3800 INTRO GUITAR: TECH, METH, STYL 2.0**

Introduction to Guitar: Technique, Methods, and Styles. Principles of guitar performance, including folk, blues, rock, and classical styles. Chords and fingerpicking. No prior experience necessary. Acoustic guitar required.

**MUA 3810 HISTORY OF AFRAMER MUSIC 3.0**

History of AfricanAmerican Music. (Same as AAS 3810.) Musical and sociological survey of the origins and development of AfricanAmerican music from its beginnings in Africa to its enculturation into the music of the Americas. Black folk music, blues, jazz, popular, religious, classical Black tradition, and performance practices will be discussed.

**MUA 3900 DRAM MUS REN THRU 20TH CEN 3.0**

Dramatic Music from the Renaissance through the Twentieth Century. For the general college student. A basic history of opera and musical theatre through lecture and listening. Ability to read music is not required.

**MUA 3920 POP MUS MULTICULT AMERICA 3.0**

Popular Music of Multicultural America. Influence of unique music cultures, including Native American, EuroAmerican, AfricanAmerican, ChicanoLatino American, on contemporary American music. Includes rock, blues, jazz, hiphop and rap, Cajun, zydeco, spirituals, and others. Interactive lectures, performance demonstrations, concerts, and listening. Webbased activities and assignments.

**MUA 3930 MUSIC, SOCIETY, AND CULTURE 3.0**

Music, Society, and Culture. The role of music, including its basic elements, forms, styles, and media, in modern culture. Interactive lectures, performance demonstrations, concerts, listening, and participation, including webbased learning. No prior musical experience required.

**MUA 3960 INTRO TO WORLD MUSIC 2.0**

Introduction to World Music. World music from a comparative standpoint, emphasizing how music functions differently in the cultural lives of various people and communities. Role of music in liturgy and ritual, entertainment, artistic expression, and community traditions.

**MUA 3970 RHYTHM 'N' BLUES, ROCK AND RAP 3.0**

Rhythm 'N' Blues, Rock and Rap. Origin and development of contemporary popular music, with a focus on rhythm 'n' blues, rock and rap music.

## MUS = MUSIC

**MUS 1060 WIND ENSEMBLE 1.0**

Wind Ensemble. Study, rehearsal, and concert performance of wind literature of various periods and styles. May be repeated for credit.

**MUS 1061 WIND ORCHESTRA 1.0**

Wind Orchestra. Study, rehearsal, and concert performance of wind instrument/band repertoire representing various periods and styles. Open to music majors and nonmajors. Prior playing experience and music reading ability required. Placement audition required. (May be repeated for credit.)

**MUS 1070 ORCHESTRA 1.0**

Orchestra. Study, rehearsal, and concert performance of orchestral literature of various periods and styles. May be repeated for credit.

**MUS 1080 CHOR ENS: CHOR SOCIETY 1.0**

Choral Ensemble: Choral Society. Study, rehearsal, and concert performance of choral literature of various periods and styles. May be repeated for credit.

**MUS 1080A CHORAL ENSEMBLE: UNIV SINGERS 1.0**

Choral Ensemble: University Singers. Study, rehearsal, and concert performance of choral literature of various periods and styles. May be repeated for credit.

**MUS 1080B CHORAL ENSEMBLE: VOCAL JAZZ 1.0**

Choral Ensemble: Vocal Jazz. Study and performance of vocal jazz ensemble repertoire.

## 420 Course Descriptions

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### **MUS 1082 WOMEN'S CHORUS 1.0**

Women's Chorus. Study, rehearsal, and performance of repertoire for women's chorus. Open to music majors and nonmajors. (May be repeated for credit.)

### **MUS 1090 JAZZ BAND 1.0**

Jazz Band. Prerequisites: Audition and consent of instructor. Study, rehearsal, and concert performance of jazz literature of various periods and styles. May be repeated for credit.

### **MUS 1100 CONCERT ATTENDANCE 0.0**

Concert Attendance.

### **MUS 1410 BASIC MUSICIANSHIP 4.0**

Basic Musicianship I. Not acceptable for credit for Bachelor of Music candidates. First in a twosemester sequence which serves as an introduction to fundamental principles of note reading, rhythm and meter, auralpattern recognition, singing, and keyboard rudiments.

### **MUS 1420 BASIC MUSICIANSHIP II 4.0**

Basic Musicianship II. Prerequisite: Mus 1410 with grade of C or higher. Not acceptable for credit for Bachelor of Music candidates. Second in a twosemester sequence which serves as an introduction to fundamental principles of note reading, rhythm and meter, auralpattern recognition, singing, and keyboard rudiments.

### **MUS 1430 FUNDAMENTALS OF MUSIC 2.0**

Fundamentals of Music. Prerequisite: theory placement examination. Not acceptable for credit for Bachelor of Music candidates. Includes staff notation, the piano keyboard, rhythm and meter, scales and modes, intervals and triads. Designed for students who read music.

### **MUS 1440 THEORY I 3.0**

Theory I. Prerequisite: Mus 1430 with grade of C or higher, or a score of 70 percent on the School of Music Fundamentals Examination. Corequisite: Mus 1540 or 1550. Beginning study of the materials and structure of music including diatonic harmony, counterpoint, and form analysis. Basic to all subsequent musictheory courses.

### **MUS 1450 THEORY II 3.0**

Theory II. Prerequisite: Score of 90 percent or higher on the School of Music Fundamentals Examination. Corequisite: Mus 1540, 1550, or 2540. Continuing study of the materials and structure of music, including diatonic harmony, counterpoint, and form analysis.

### **MUS 1540 AURAL SKILLS I 1.0**

Aural Skills I. Prerequisite: theory placement examination. Corequisite: Mus 1440. Beginning study of sight singing, keyboard harmony and ear training, including melodic and rhythmic transcriptions and error detection within a diatonic framework.

### **MUS 1550 AURAL SKILLS II 1.0**

Aural skills II. Prerequisite: Mus 1540 with grade of C or higher. Corequisite: Mus 1440, 1450, or 2440. Study of sight singing, keyboard harmony, and ear training, including melodic and rhythmic transcription and error detection.

### **MUS 1710 GROUP INSTRUC IN PIANO I 1.0**

Group Instruction in Piano I. Prerequisite: consent of instructor. A unified approach to elementary piano instruction stressing the following skills: reading, harmonizing, chord patterns, transposing, and improvising. Includes work with solo and ensemble literature as well as technical patterns.

### **MUS 1720 GROUP INSTRUC IN PIANO II 1.0**

Group Instruction in Piano II. Prerequisite: Mus 1710 with grade of C or higher, or consent of instructor. Continuation of skills, literature, and technique introduced in Mus 1710 at a more advanced level.

### **MUS 1730 GROUP INSTRUC IN VOICE I 2.0**

Group Instruction in Voice I. Fundamentals of vocal production. Development of technique through group and solo singing.

### **MUS 1740 GROUP INSTRUC IN VOICE II 2.0**

Group Instruction in Voice II. Development of singing skills through appropriate level of repertoire and individual and group learning strategies. May be taken prior to or following Mus 1730.

### **MUS 1750 GROUP INSTR IN GUITAR I 2.0**

Group Instruction in Guitar I. Prerequisite: consent of instructor. Beginning instruction of skills necessary to play the guitar.

### **MUS 1760 GROUP INSTRUC GUITAR II 2.0**

Group Instruction in Guitar II. Prerequisite: Mus 1750 with grade of C or higher, or consent of instructor. A continuation of guitar methods and instruction.

### **MUS 2010 MUSIC BUS FOR JAZZ MUS 1.0**

The Music Business for Jazz Musicians. Seminar to acquaint jazz musicians with employment in music performance. Professionals will address students on subjects including the club date business, building a private teaching studio, and the creation of a demo tape.

### **MUS 2300 ART & MUSIC FOR EARLY CHILDHOOD 3.0**

Art and Music for Early Childhood. Not for art or music majors. Art and music content and teaching methods with an emphasis on integration into general classroom settings.

### **MUS 2440 THEORY III 3.0**

Theory III. Prerequisite: Mus 1450 with grade of C or higher. Corequisite: Mus 1550, 2540, or 2550. Continuation of commonpractice chromatic harmony; study of postcommon practice chromaticism including linear chords and remote modulation. Introduction to threepart counter point and fugue.

### **MUS 2450 THEORY IV 3.0**

Theory IV. Prerequisite: Mus 2440 with grade of C or higher. Corequisite: Mus 2540 or 2550. Analysis of music of the twentieth century to and beyond World War II. Concludes with a summary formal review of music of various style periods including study of concerto.

### **MUS 2490 BASIC CONDUCTING 2.0**

Basic Conducting. Prerequisites: Mus 1450 and 1550 with grades of C or higher, or consent of instructor. Introduction to beat patterns, baton technique, score reading, and rehearsal techniques.

### **MUS 2540 AURAL SKILLS III 1.0**

Aural Skills III. Prerequisite: Mus 1550 with grade of C or higher. Corequisite: Mus 1450, 2440, or 2450. Continuation of the twoyear aural skills sequence. Introduction to chromatic materials and increasingly complex rhythms and meters.

### **MUS 2550 AURAL SKILLS IV 1.0**

Aural Skills IV. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Corequisite: Mus 2440 or 2450. Completion of the twoyear aural skills sequence. Further study of chromatic materials; twentieth century melody and harmony.

### **MUS 2710 GROUP INST PIANO III 1.0**

Group Instruction in Piano III. Continuation of skills, literature, and technique from Mus 1720.

**MUS 2720 GROUP INSTRU IN PIANO IV 1.0**

Group Instruction in Piano IV. Prerequisite: Mus 2710 with grade of C or higher, or consent of instructor. Continuation of skills, literature, and technique introduced in Mus 2710.

**MUS 2780 BEGINNING JAZZ IMPROV I 1.0**

Beginning Jazz Improvisation I. Prerequisites: Mus 1440 and 1540 with grade of C or higher, or consent of instructor. Topics include jazz nomenclature, chord and scale construction, ear training improvisation in major and dorian modes.

**MUS 2790 BEGINNING JAZZ IMPROV II 1.0**

Beginning Jazz Improvisation II. Prerequisite: Mus 2780 with grade of C or higher, or consent of instructor. Topics include dominant function chords, bebop scales, pentatonic scales, IIV chord progressions, and standard song forms and blues forms.

**MUS 3000 RECITAL I 0.0**

Recital I. Prerequisites: Must be admitted to applied music study at the 3000 level. Halfhour public recital.

**MUS 3010 BASIC IMPROVISATION 1.0**

Basic Improvisation. Prerequisites: Mus 2450 and 2550 with grades of C or higher, or consent of instructor. Introduction to improvisation, from chordscale techniques to nonharmonicbased improvisation.

**MUS 3050 NEW MUSIC ENSEMBLE 1.0**

New Music Ensemble. Prerequisite: audition or consent of instructor. Chamber ensemble that performs primarily postWorld War II music, but also some earlier music. Student compositions may be performed. Participation in New Music Week during Spring semester required.

**MUS 3060 WIND ENSEMBLE 1.0**

Wind Ensemble. Study, rehearsal, and concert performance of wind literature of various periods and styles. May be repeated for credit.

**MUS 3061 WIND ORCHESTRA 1.0**

Wind Orchestra. Study, rehearsal, and concert performance of wind instrument/band repertoire representing various periods and styles. Open to music majors and nonmajors. Prior playing experience and music reading ability required. Placement audition required. (May be repeated for credit.)

**MUS 3070 ORCHESTRA 1.0**

Orchestra. Study, rehearsal, and concert performance of orchestral literature of various periods and styles. May be repeated for credit.

**MUS 3071 COLLABORATIVE PIANO 1.0**

Collaborative Piano. Supervised accompanying and chamber music for pianists. Eligible students may count up to two semesters in lieu of large ensemble. May be repeated for credit.

**MUS 3080 CHOR ENS: CHOR SOCIETY 1.0**

Choral Ensemble: Choral Society. Study, rehearsal, and concert performance of choral literature of various periods and styles. May be repeated for credit.

**MUS 3080A CHORAL ENSEMBLE: UNIV SINGERS 1.0**

Choral Ensemble: University Singers. Study, rehearsal, and concert performance of choral literature of various periods and styles. May be repeated for credit.

**MUS 3080B CHORAL ENSEMBLE: VOCAL JAZZ 1.0**

Choral Ensemble: Vocal Jazz. Study and performance of vocal jazz ensemble repertoire.

**MUS 3082 WOMEN'S CHORUS 1.0**

Women's Chorus. Study, rehearsal, and performance of repertoire for women's chorus. Open to music majors and nonmajors. (May be repeated for credit.)

**MUS 3090 JAZZ BAND 1.0**

Jazz Band. Study, rehearsal, and concert performance of jazz literature of various periods and styles. May be repeated for credit.

**MUS 3100 OPERA WORKSHOP 1.0 to 3.0**

Opera Workshop. Prerequisite: consent of instructor. Basic techniques in acting and technical aspects of theatre that are utilized in the performance of an opera scene.

**MUS 3110 BRASS ENSEMBLE 0.5**

Brass Ensemble. Prerequisite: consent of instructor. Performance of chamber music for brass instruments; includes historical and stylistic considerations and the study of ensemble performance problems. May be repeated for credit for a maximum of four semester hours.

**MUS 3120 CHAMBER MUSIC FOR STRINGS 0.5**

Chamber Music for Strings. Prerequisite: consent of instructor. Performance of chamber music for orchestral string instruments; includes historical and stylistic considerations and the study of ensemble performance problems. May be repeated for credit for a maximum of four semester hours.

**MUS 3130 CHAMBER MUSIC WOODWINDS 0.5**

Chamber Music for Woodwinds. Prerequisite: consent of instructor. Performance of chamber music for woodwind instruments; includes historical and stylistic considerations and the study of ensemble performance problems. May be repeated for credit for a maximum of four semester hours.

**MUS 3140 PERCUSSION ENSEMBLE 0.5**

Percussion Ensemble. Prerequisite: consent of instructor. Performance of chamber music for percussion instruments; includes historical and stylistic considerations and the study of ensemble performance problems. May be repeated for credit for a maximum of four semester hours.

**MUS 3150 GUITAR ENSEMBLE 0.5**

Guitar Ensemble. Performance of chamber music for guitar; includes historical and stylistic considerations and the study of ensemble performance problems. May be repeated for credit for a maximum of four semester hours.

**MUS 3160 JAZZ COMBOS 0.5**

Jazz Combos. Prerequisites: audition and consent of instructor. Rehearsal and performance of jazz literature for the small jazz combo (trio to sextet) with balanced instrumentation. Basic jazz improvisation, improving listening skills, combo arranging, and memorization of jazz "standards."

**MUS 3230 BRASS TECHNIQUES 1.0**

Brass Techniques. Prerequisite: consent of instructor. Technique, literature, and notation for brass instruments. A comparative, homogeneous approach to performing on trumpet, horn, trombone, and tuba.

**MUS 3240 STRING TECHNIQUES 1.0**

String Techniques. Prerequisite: consent of instructor. Technique, literature, and notation for string instruments. A comparative, heterogeneous approach to performing on violin, viola, cello, and bass.

**MUS 3250 WOODWIND TECHNIQUES 1.0**

Woodwind Techniques. Prerequisite: consent of instructor. Technique, literature, and notation for woodwind instruments. A comparative, homogeneous approach to performing on flute, clarinet, oboe, bassoon, and saxophone.



**MUS 3260 PERCUSSION TECHNIQUES 1.0**

Percussion Techniques. Prerequisite: consent of instructor. Technique, literature, and notation for percussion instruments. A comparative, homogeneous approach to performing on drums, mallets, and auxiliary percussion instruments.

**MUS 3310 INTRO TO MUSIC EDUCATION 2.0**

Introduction to Music Education. Prerequisite: consent of instructor. Foundations of music teaching and learning, with emphasis on school settings. Issues and knowledge applicable to general, choral, and instrumental music education. Includes observation and field experience.

**MUS 3320 GEN MUS IN EARLY CHILD 3.0**

General Music in Early Childhood. Prerequisite: admission to music education program, or consent of instructor. Principles and techniques for teaching music to children in preschool through fourth grade. Includes musical development of the young child, program goals and content, methods, and assessment strategies. Correlated with national standards in music education. Field experience in a school setting.

**MUS 3330 GEN MUS IN MID&SEC SCHOOL 3.0**

General Music in Middle and Secondary Schools. Prerequisite: admission to music education program, or consent of instructor. Principles and techniques for teaching general music in middle school and high school. Includes musical development of the adolescent, program goals and content, methods, and assessment strategies. Correlated with national standards in music education. Field experience in school setting.

**MUS 3340 CHORAL MUS IN SCHOOLS 3.0**

Choral Music in the Schools. Prerequisite: admission to music education program, or consent of instructor. Overview of choral music education in school settings from elementary through high school. Applications of choral conducting, arranging, and vocal pedagogy. Vocal development among children and adolescents, building the choral program, selecting repertoire, classroom management, methods, and rehearsal techniques. Observation and field experience in school settings.

**MUS 3350 TECH CLASSROOM INSTRUMENT 1.0**

Techniques of Classroom Instruments. Performance/teaching techniques for guitar, recorder, and other rhythmic, melodic, and harmonic classroom instruments.

**MUS 3358 TEACHING BEGINNING STRINGS 2.0**

Teaching Beginning Strings. Prerequisite: Mus 3240 with grade of C or higher and MUS 3310 with grade of B or higher; or consent of instructor. Music education students must meet course prerequisites; performance students are restricted to those who have passed an audition for the School of Music and are admitted to the class by consent of instructor. Organizing and teaching beginning string programs for groups and individuals. Contextual emphasis on school settings, including recruiting/retention, program development, motivation, repertoire and methods assessment/evaluation, and major pedagogues. Teaching pedagogy consistent with national standards. Students will demonstrate ability to mode m primary and secondary instruments. Field experience in a school setting is required for music education students; performance students may select projects related to studio teaching.

**MUS 3359 TEACHING BEGIN WINDS & PERC 2.0**

Teaching Beginning Winds and Percussion. Prerequisites: Mus 3230, 3240, 3250, and 3260 with grades of C or higher; and Mus 3358 with grade of B or higher; or consent of instructor. Music education students must follow published course prerequisites; performance student restricted to those who have passed an audition for the School of Music and are admitted to the class by consent of instructor. Organizing/teaching beginning band instruments

for groups and individuals. Contextual emphasis on band programs in school settings. Includes recruiting/retention, program development, motivation, assessment/evaluation, repertoire and major methods, national standards, and major pedagogues. Students will peerteach individuals and groups and will model on primary and secondary instruments. Field experience required for music education students. Performance students may elect field experience or projects related to studio teaching.

**MUS 3360 INTERMED/ADV INSTRMTNL MUSIC 3.0**

Teaching Intermediate and Advanced Instrumental Music. Prerequisite: Mus 3359 with grade of B or higher, or consent of instructor. Organizing and teaching band and orchestra at intermediate and advanced levels. Developing student musicianship repertoire, teaching/rehearsal techniques and materials, curriculum development, program development and organization, motivation scheduling, budgeting, inventory management, booster clubs, professional relationships, travel, competitions/festivals, discipline, student leadership, pyramid/feeder alignment, fundraising, and professional development. Demonstration of ability to model on primary instrument at intermediate and advanced levels. Required field experience in school setting.

**MUS 4000 RECITAL II 0.0**

Recital II. Prerequisite: must be admitted to applied music study at the 3000 level. Onehour public recital.

**MUS 4010 PERFORMANCE LABORATORY 0.0**

Performance Laboratory. Coached chamber ensemble and/or studioclass performance. Includes repertoire review, master classes, peer analysis and critique, and recital preparation. (May be repeated.)

**MUS 4011 SINGING IN ITALIAN 1.0**

Singing in Italian. Two lab classes per week. Developing the ability to pronounce the Italian language on sight through the study of the International Phonetic Alphabet and its application to Italian vocal literature.

**MUS 4021 SINGING IN GERMAN 1.0**

Singing in German. Two lab classes per week. Developing the ability to pronounce the German language on sight through the study of the International Phonetic Alphabet and its application to German vocal literature.

**MUS 4031 SINGING IN FRENCH 1.0**

Singing in French. Two lab classes per week. Developing the ability to pronounce the French language on sight through the study of the International Phonetic Alphabet and its application to French vocal literature.

**MUS 4041 SINGING IN ENGLISH 1.0**

Singing in English. Two lab classes per week. Developing the ability to pronounce the classical English language on sight through the study of the International Phonetic Alphabet and its application to English vocal literature.

**MUS 4090 JZ PEDGY/MARCH BAND TECH 1.0**

Jazz Pedagogy/Marching Band Techniques. Principles of jazz instruction for music educators. Design and charting for the contemporary style drill utilizing drafting instruments and computeraided instruction.

**MUS 4100 JAZZ COMBO ARRANGING 1.0**

Jazz Combo Arranging. Prerequisite: Mus 2400 with grade of C or higher, or consent or instructor. Concepts of arranging for small jazz group, jazz instrumentation, and nomenclature; concepts in jazz theory.

**MUS 4110 INSTRUMENTN AND ORCHESTRN 3.0**

Instrumentation and Orchestration. Prerequisites: Mus 2450 and Mus 2550 with grades of C or higher, or equivalent, or consent of instructor. Three lecture hours a week. Exploration of the technical capabilities and idiomatic performance practices of instruments found in the orchestra and the wind ensemble. Additional instruction in arranging and transcribing techniques for chamber ensembles, the orchestra, and wind ensemble.

**MUS 4140 ARRANGING FOR CHORUS 1.0**

Arranging for Chorus. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Arranging for large and small vocal ensembles with and without accompaniment.

**MUS 4170 ARR FOR LARGE JAZZ ENS 1.0**

Arranging for the Large Jazz Ensemble. Prerequisite: Mus 4100 with grade of C or higher, or consent of instructor. Contemporary arranging techniques for rhythm section and two, three, and four wind instruments.

**MUS 4180 DEV RHYTHMIC SENSITIVITY 1.0**

Developing Rhythmic Sensitivity. Prerequisites: Mus 2450 and 2550 with grades of C or higher. Practical applications of concepts necessary to perform, teach, notate, and take dictation of beginning, intermediate, and advanced rhythmic patterns.

**MUS 4190 ARRANGING FOR GUITAR 1.0**

Arranging for Guitar. Arranging works for solo guitar, based on original works for other instruments, including piano and orchestra, for various style periods. Arrangements for guitar with other instruments.

**MUS 4200 SERV PLAY CHURCH MUS SKIL 2.0**

Service Playing and Church Music Skills. Techniques for church organists including hymn playing, anthem and solo accompaniment, improvisation, and modulation. Attention given to organizing choirs, developing skills in contract negotiation and budget planning, and creating healthy working relations with clergy and church committees.

**MUS 4210 COMPOSITION SEMINAR 2.0**

Composition Seminar. Prerequisites: Mus 1440 and Mus 1540 with grades of C or higher, or equivalent, or consent of instructor. Two lecture hours a week. Exploration of the processes and aesthetics of contemporary musical composition with additional topics to include a survey of contemporary music since 1960, advanced musical notation, advanced orchestration, and an exploration of the business of being a composer. Repeatable for credit and required of all students working in the composition area.

**MUS 4220 JAZZ ENSEMBLE TECHNIQUES 2.0**

Jazz Ensemble Techniques. Study and performance of current jazz ensemble techniques and materials for school use. Special emphasis on basic improvisation; understanding and performing jazz styles. Field experience with secondary pupils is required.

**MUS 4250 MUSIC IN SPECIAL EDUC 3.0**

Music in Special Education. Principles and strategies for teaching music to special needs children. Methods for self-contained classes and inclusive classrooms. Includes planning, content, teaching strategies, and assessment.

**MUS 4260 PRACTICUM IN MUSIC EDUCATION 3.0**

Practicum in Music Education. Prerequisite: Approval of music education faculty. Parttime supervised teaching of music in school settings.

**MUS 4270 STUDENT TEACH MUS 9.0**

(TE) Student Teaching in Music. Prerequisite: Approval of music education faculty. Fulltime supervised teaching of music in school settings.

**MUS 4290 SR SEM MUS EDUCATION 3.0**

(TE) Senior Seminar in Music Education. Prerequisite: Approval of music education faculty. Selected topics for beginning teachers, including classroom management; cooperative learning environments; student diversity; administration of music programs; program evaluation; national standards; and others, as appropriate. To be taken concurrently with Mus 4270 or Mus 4830.

**MUS 4300 MUSIC, LITURGY & THEOLOGY 3.0**

Music, Liturgy, and Theology. The relationship among music, liturgy, and theology and its mutuality.

**MUS 4310 INTERSHIP IN MUSIC ED I 3.0**

Internship in Music Education I. Prerequisite: Approval of music education faculty. Parttime supervised onthejob music teaching internship in a school setting.

**MUS 4360 ADVANCED KEYBOARD SKILLS 2.0**

Advanced Keyboard Skills. Development of advanced keyboard skills in sight playing, chord patterns, transposing, harmonizing classical, folk and popular melodies, arranging for keyboards, improvising; accompanying pedagogy majors waives the piano proficiency.

**MUS 4410 PIANO PEDAGOGY I 3.0**

Piano Pedagogy I. Approaches and materials for children and highschool students at the elementary and intermediate levels. Focus will include the job market, methods, curriculum building, musicianship training, technical development, practice strategies, ensemble playing, use of technology in teaching, and professional etiquette as a clinician/adjudicator.

**MUS 4411 PIANO PEDAGOGY II 3.0**

Piano Pedagogy II. Prerequisite: Mus 4410 with grade of C or higher, or consent of instructor. Approaches and materials for the adult student at the beginner through advanced levels. Focus will include piano class teaching, methods, curriculum building, musicianship training, technical development, practice strategies, memorization, musical style and interpretation, ensemble playing, philosophical bases, piano laboratory technology, and professional etiquette as a clinician/ adjudicator.

**MUS 4420 ORGAN PEDAGOGY 3.0**

Organ Pedagogy. Methods, techniques, and repertoire for teaching at beginning, intermediate, and advanced levels of study, with emphasis on style and interpretive problems.

**MUS 4440 VOCAL PEDAGOGY 2.0**

Vocal Pedagogy. Principles of vocal pedagogy and development of teaching skills in applied vocal instruction.

**MUS 4450 ADVANCED TONAL ANALYSIS 3.0**

Advanced Tonal Analysis. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Three lecture hours a week. Advanced structural and stylistic analysis of large onemovement and multimovement works from the commonpractice period.

**MUS 4460 POSTTONAL ANALYSIS 3.0**

Analysis of PostTonal Music. Prerequisite: Mus 2450 with grade of C or higher. Three lecture hours a week. Theories of musical structure in the posttonal idiom, with analytical applications to literature from major composers of the twentieth century. Compositional exercises will provide orientation to diverse styles and demonstrate creative applications of theoretical concepts.



**MUS 4480 CHORAL CONDUCTING 2.0**

Choral Conducting. Prerequisite: Mus 2490 with grade of C or higher, or consent of instructor. Conducting techniques, with and without the baton, that communicate the conductor's interpretation of the musical score to the performers.

**MUS 4490 INSTRUMENTAL CONDUCTING 2.0**

Instrumental Conducting. Prerequisites: Mus 2450 and 2490 with grades of C or higher, or consent of instructor. Advanced baton techniques, score reading and interpretation, and rehearsal procedures for instrumental conductors.

**MUS 4500 HISTORICAL COUNTERPOINT 3.0**

Historical Counterpoint. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Three lecture hours a week. Exploration, through composition and analysis, of the style and contrapuntal techniques of the Renaissance (Palestrinastyle modal counterpoint) and Baroque (Bachstyle harmonic counterpoint).

**MUS 4530 ACCOMPANYING 1.0**

Accompanying. Prerequisite: Keyboard proficiency. Developing musical sensitivity at the keyboard to enhance the performance of vocalists or instrumentalists. May be repeated for credit.

**MUS 4590 WOMEN IN MUSIC 2.0**

Women in Music. Prerequisite: consent of instructor. Women composers, performers, and conductors in the nineteenth and twentieth centuries.

**MUS 4610 PIANO LITERATURE 3.0**

Piano Literature. Prerequisite: consent of instructor. A comprehensive investigation of keyboard music from a historical and stylistic viewpoint, emphasizing major keyboard works and composers from the Baroque to the present.

**MUS 4620 VOCAL LITERATURE 3.0**

Vocal Literature. Prerequisite: consent of instructor. The art song and concert aria from Mozart to the present.

**MUS 4640 CHORAL LITERATURE 3.0**

Choral Literature. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Literature for large and small vocal ensembles, including madrigals, masses, motets; 1500 to the present.

**MUS 4650 AMERICAN MUSICAL THEATRE 2.0**

American Musical Theater. (Same as Thea 4650.) History of American musical theater, origins to the present.

**MUS 4660 DRAMATIC MUSIC 3.0**

Dramatic Music. Prerequisite: Mus 1450 with grade of C or higher, or consent of instructor. History of dramatic music, principally opera and larger sacred works, from 1600 to the present.

**MUS 4680 PIANO:HIST DEV CONST TECH 3.0**

The Piano: Its Historical Development, Construction and Technology. History and construction of the vertical and grand pianos. Principles of piano tuning, regulation, voicing, and repair.

**MUS 4700 SEM IN MUS HIST AND LIT 3.0**

Seminar in Music History and Literature. Prerequisite: consent of instructor. Selected topics in the history and literature of music.

**MUS 4710 ORGAN LITERATURE 3.0**

Organ Literature. Prerequisite: consent of instructor. Exploration of organ music from the medieval period to the present.

**MUS 4730 COMPUTER APPLIC IN MUSIC 2.0**

Computer Applications in Music. Basic computer literacy in music-related software programs for Macintosh and Windows

operating systems. Word processing, graphics, music notation, and music sequencing will be studied, along with use of resources on the Internet.

**MUS 4750 GROUP INSTRUCT IN JAZZ KEYBOARD 1.0**

Group Instruction in Jazz Keyboard. Prerequisite: Mus 2720 with grade of C or higher, or consent of instructor. One lecture and one lab hour per week. Basic and intermediate jazz keyboard realization. Harmonic, melodic, and rhythmic elements will be investigated. Principles of chord progressions, comping techniques, modes, extension tones, and bass lines for lead sheet realization.

**MUS 4760 ADV KEYBOARD HARMONY 1.0**

Advanced Keyboard Harmony. Realization of figured bass, improvisation of chord progressions, transposition, instrumental score reading, and rhythm reading at the keyboard. Satisfies the requirements in keyboard proficiency for the concentration in music theory.

**MUS 4770 ADVANCED AURAL SKILLS 1.0**

Advanced Aural Skills. Prerequisite: Mus 2550 with grade of C or higher, or consent of instructor. Two lecture hours a week. Continued development of aural skills, with particular emphasis on aural analysis and the transcription of chromatic music.

**MUS 4790 ADV JAZZ IMPROV I 1.0**

Advanced Jazz Improvisation I. Prerequisite: Mus 2780 with grade of C or higher, or consent of instructor. Jazz improvisation including compositional techniques, altered dominant scales, minor iiiv7s, ballad interpretation, memorization, and chord substitutions.

**MUS 4791 ADV JAZZ IMPROV II. 1.0**

Advanced Jazz Improvisation II. Prerequisite: Mus 4790 with grade of C or higher, or consent of instructor. Continuation of Mus 4790. Advanced improvisation concepts and performance skills emphasizing composition, altered dominant scales, minor iiiv7s, ballad interpretation, memorization, and chord substitutions.

**MUS 4792 JAZZ THEORY 2.0**

Jazz Theory. Prerequisite: Mus 2450 with grade of C or higher, or equivalent, or consent of instructor. Major and minor scale harmony; modulation, minor key analysis, dominants, reharmonization, and modal interchange.

**MUS 4800 MUS HIST ANTIQ THRU BAROQ 3.0**

Music History from Antiquity through the Baroque Period. Prerequisite: Mus 1450 with grade of C or higher, or consent of instructor. An investigation of western art music from the late Christian era through 1740.

**MUS 4810 MUS HIST: CLASS TO PRES 3.0**

Music History from the Classical Period to the Present. Prerequisite: Mus 1450 with grade of C or higher, or consent of instructor. An investigation of western art music from 1740 through the contemporary era.

**MUS 4820 WORLD MUSIC 2.0**

World Music. Comparative survey of various nonwestern musical cultures.

**MUS 4830 INTERNSHIP IN MUSIC ED II 9.0**

Internship Music Education II. Prerequisite: Approval of music education faculty. Fulltime, supervised on-the-job music teaching internship in a school setting.

**MUS 4850 JAZZ STYLES 2.0**

Jazz Styles. Prerequisites: Mus 2450 and 2780 with grades of C or higher, or equivalent, or consent of instructor. Examines

important events in musical figures in the evolution of jazz by analysis of playing styles, compositions and innovations that influenced the direction of jazz in the twentieth century. African roots of jazz and music of Armstrong, Morton, Ellington, Parker/Gillespie, Coltrane, and Miles Davis.

**MUS 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**MUS 4880 HONORS THESIS: WRITING 3.0**

Honors Thesis: Writing. Prerequisites: Mus 4870 with grade of C or higher, and consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**MUS 4890 SELECTED TOPICS 1.0 to 3.0**

Selected Topics. Prerequisite: consent of instructor. Discussion and readings on selected topics.

**MUS 4910 CHAMBER LITERATURE 3.0**

Chamber Literature. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Literature for small string and wind chamber ensemble.

**MUS 4940 ORCHESTRAL LITERATURE 3.0**

Orchestral Literature. Prerequisite: Mus 2450 with grade of C or higher, or consent of instructor. Orchestral literature from 1700 to the present.

**MUS 4971 SURVEY ELECTROACOUSTIC MUSIC 3.0**

Survey of Electroacoustic Music. Prerequisite: Mus 4730 with grade of C or higher, or equivalent, or consent of instructor. Survey of the techniques, theories, and trends of electroacoustic music, with emphasis on its relationship to the art and technique of contemporary recording practice.

**MUS 4980 ELECTROACOUSTIC MUS COMP 3.0**

Electroacoustic Music Composition. Prerequisite: Mus 4730 with grade of C or higher, or consent of instructor. Investigation of methods of electroacoustic music composition using MIDI, hardware synthesizers, and software tools. Focus on unique tool development using the MAX programming environment and associated technologies. Approaches to advanced composition with electroacoustic means from both scientific and aesthetic perspectives. Required laboratory work.

**MUS 4981 COMPUTER MUSIC 3.0**

Computer Music. Prerequisite: Mus 4730 with grade of C or higher, or consent of instructor. Introduction to software synthesis computer music using the Csound acoustic compiler. Survey of fundamental synthesis techniques, fundamentals of Csound programming, and strategies for sound design and composition. Required laboratory work.

**MUS 4982 ADV TPCS COMPUTER MUSIC 3.0**

Advanced Topics in Computer Music. Prerequisite: Mus 4981 with grade of C or higher, or consent of instructor. Advanced topics in software synthesis computer music using the Csound acoustic compiler. Survey of digital signal processing, advanced synthesis methods and score development. Course work culminates in a significant computer music project. Required laboratory work.

## NSCI = NATURAL SCIENCES

**NSCI 3001 INTEG SCI I: PHYS SCI 4.0**

Integrated Science I: Physics and Astronomy. Integrated science sequence for middle school teachers. Description and causes of

motion; work, energy and power; heat and the laws of thermodynamics; electricity and magnetism; waves and electromagnetic radiation; the structure of matter; cosmology; the Earth and other planets. An integrated laboratory is included.

**NSCI 3002 INTEG SCI II: EARTH SCI 4.0**

Integrated Science II: Chemistry and Geology. Prerequisite: NCSI 3001 with grade of C or higher. Integrated science sequence for middle school teachers. Matter; atoms and atomic structure; chemical bonds; acids and bases; oxidation and reduction; organic; minerals; rocks and the rock cycle/geochemical cycles; plate tectonics. An integrated laboratory is included.

**NSCI 3003 INTEG SCI III: LIFE SCI 4.0**

Integrated Science III: Geology and Biology. Prerequisite: NCSI 3002 with grade of C or higher. Integrated science sequence for middle school teachers. Surficial processes/hydrologic cycle; ecology, ecosystems, and the environment; strategies of life; molecules of life; the living cell; classical and modern genetics; geologic time; evolution. An integrated laboratory is included.

## NURS = NURSING

**NURS 2010 HLTH & HUM LIFESPAN DEVEL 3.0**

Health and Human Development Across the Lifespan. This course focuses on development and health concepts across the lifespan with the context of physical, cognitive, social, and emotional domains.

**NURS 2040 CONCEPT FOUND NURS & TREND 1.0**

Conceptual Foundations of Nursing and Trends. Prerequisite: acceptance into the nursing program. This course introduces the student to the profession of nursing through an exploration of nursing history, philosophy, ethics, professionalism, legal aspects and regulatory matters, nursing education and licensure, and current trends in nursing and health care as a whole. The course exposes students to resources available to assist them in being successful in their nursing education.

**NURS 2060 PATHOPHYSIOLOGY 3.0**

Pathophysiology. Prerequisites: Biol 1110K and 1120K, Chem 1151K and 1152K, Biol 2300/2310 and acceptance into the nursing program. Corequisite: NURS 2040. The course is designed to facilitate the student's understanding of selected pathophysiological concepts and the body/mind response to associated disease and injury.

**NURS 2061 PHARMACOLOGY 3.0**

Pharmacology. Prerequisites: Biol 1110K and 1120K, Chem 1151K and 1152K, Biol 2300/2310 and acceptance into the nursing program. Corequisite: NURS 2040, NURS 2060. The course is designed to introduce the student to the basic principles of pharmacology in order to safely administer medications and educate clients in all clinical areas.

**NURS 2080 BASIC CONCEPTS OF NURSING CARE 3.0**

Basic Concepts of Nursing Care. Prerequisite: acceptance into the nursing program. Corequisite: NURS 2040, 2060, 2061 and 2160. This course is designed to explore the basic concepts of nursing care across the life span in various settings. This course will explore the nurse's role in promotion of wellness, prevention of diseases and restoration of health. Students will utilize the nursing process to plan care for common clinical phenomena. An additional component of the course is mastery of medical terminology.

**NURS 2160 BASIC HLTH ASSMNT & NUR SKILLS 6.0**

Basic Health Assessment and Nursing Skills. Prerequisites: Biol 2300/2310. Corequisites: NURS 2040, 2060, 2061, 2080 and HHS 3000. Four lecture hours and six laboratory hours a week. The course is designed to facilitate the student's acquisition of

both health assessment and basic nursing skills. It is composed of three distinct components: health assessment theoretical content, basic skills theoretical content, and laboratory/clinical performance. In order to pass the course students must pass all three components. An additional component of the course is mastery of basic drug calculations.

**NURS 3010 HLTH & HUM LIFESPAN DEVEL 3.0**

Health and Human Development Across the Lifespan. FOR RNBS STUDENTS. This course focuses on the development and health concepts across the lifespan with the context of physical, cognitive, social and emotional domains.

**NURS 3300 Policy, Planning and Trends 3.0**

Human Services Policy, Planning and Trends. Prerequisites: NURS 2040, 2060, 2061, 2800 and 2160. This course focuses on the complex forces that influence public policy and program planning. Emphasis is placed on ecological, political, economic, and social issues and the role of the practitioner as advocate for the civil and social rights of the public. These components provide insight into future trending, forecasting and program planning in the public sector.

**NURS 3500 RESEARCH METHODS 3.0**

Research Methods. This course is designed to provide students with an overview of the major research concepts as applied to the profession of nursing. Emphasis is on how to critically evaluate published and empirical research.

**NURS 3510 CARING FOR ADULT POPULATIONS 5.0**

Caring for Adult Populations. Prerequisites: Nurs 2010, 2040, 2060, 2061, 2080, 2160, and HHS 3000. Corequisite: NUTR 3200. The course focuses on the nursing knowledge and skills needed to care for adults in acute care settings with the goals of assisting individuals and their families in promotion, maintenance, and restoration of optimal patterns of health. Under faculty supervision, the student develops and refines professional practice.

**NURS 3610 CARING FOR CHILDBEARING FAMILIES 5.0**

Caring for Childbearing Families Prerequisites: Nurs 2010, 2040, 2060, 2061, 2080, 2160 3510, 3810 and HHS 3000. Corequisite: NUTR 3200. The course focuses on the nursing knowledge to care for childbearing families with the goal of assisting them in the promotion, maintenance, and restoration of optimal patterns of health. Attention is given to early detection and intervention of altered health patterns during the childbearing period. Women's health issues will be discussed. Under faculty supervision, the student develops and refines professional practice.

**NURS 3710 CARING FOR CHILDRN & ADOLSCNTS 5.0**

Caring for Children and Adolescents. Prerequisites: Nurs 2010, 2040, 2060, 2061, 2080, 2160, 3510, 3810, and HHS 3000. Corequisite: Nutr 3200. The focus of the course is on the nursing knowledge and application of the skill needed to care for children and their families with the goal of assisting them in the promotion, maintenance, or restoration of optimal patterns of health. Under faculty supervision, the student develops and refines professional practice.

**NURS 3810 PSYC/MNTL HLTH FOR POPULATIONS 5.0**

Psychiatric/Mental Health Care for Populations. Prerequisites: Nurs 2010, 2040, 2060, 2061, 2080, 2160, HHS 3000 and PSYC 3140. Corequisite: NUTR 3200. The course focuses on the student's application of nursing knowledge to the care of individuals whose dysfunctional health patterns are associated with mental illness. The course builds upon requisite knowledge of therapeutic use of self, knowledge and application of the nursing process, principles and concepts of cultural diversity, communication theory, and psychopharmacology. In the clinical component of the course, the student assumes the role of the professional nurse in psychiatric settings under the supervision of

clinical faculty. The major focus of the clinical component is on developing the student's ability to care for individuals whose dysfunctional health patterns are associated with mental illness.

**NURS 3910 CARING FOR FAM & COMMUNITIES 6.0**

Caring for Families and Communities Prerequisites: 3510, 3610, 3710, 3810 for undergraduate generic students. NURS 3980 and 4490 for RN BS students. Corequisites: HHS 3300, 3500. This course focuses on the acquisition and application of nursing knowledge needed to care for communities as clients with the goal of assisting families, aggregates and communities in the promotion, maintenance and restoration of optimal patterns of health. This course will have a theory component which will be graded and will be assigned 4 credit hours and a clinical practicum component which will be 12 hours per week for seven weeks in a clinical agency and will be pass/fail for 2 credit hours. Both components have to be passed to pass the course. The total credit hours for this course is 6 credits and the grade assigned to the theory portion will be the final grade for the 6 hours.

**NURS 3920 COMMS & ALT SETTING PRACT 2.0**

Practicum in Promoting, Protecting and Restoring Health in Communities and Alternative Settings. Prerequisite: Concurrent registration in Nurs 3910. Twelve (12) clinical hours per week for seven weeks. The course is the clinical component of Nurs 3910. The major focus is on developing the student's ability to apply nursing knowledge in the systematic analysis of health patterns in communities in the promotion, maintenance, and restoration of optimal health patterns. Under faculty supervision, the student develops and refines professional practice.

**NURS 3980 HEALTH ASSESSMENT 2.0**

Health Assessment. Prerequisite: acceptance into the RNBS program. One hour lecture and three hours lab per week. The course is designed for registered nurse undergraduate students to familiarize themselves with the skills involved in the process of health assessment.

**NURS 4040 DIRECTED READINGS 1.0 to 3.0**

Directed Readings. Prerequisite: consent of instructor. The course provides the student with an opportunity to complete readings and/or literature review on a special topic in nursing under the guidance of an instructor with expertise in the selected topic area. The student may elect to complete one to three credit hours of study.

**NURS 4210 INTRO TO CRITICAL CARE 3.0**

Introduction to Critical Care. Prerequisites: Nurs 3510, 3610, 3710, and 3810. The course focuses on obtaining beginning nursing skills in caring for critically ill patients and families. An emphasis is placed on the daytoday information required of a critical care nurse, such as pathophysiology, pharmacology technology, and nursing interventions that are based on these data.

**NURS 4220 INTRO TO CRIT CARE PRACTICUM 2.0**

Introduction to Critical Care Practicum. Twelve clinical hours per week. Prerequisites: Nurs 3510, 3610, 3710, and 3810. Prerequisite or Corequisite: Nurs 4210. This course focuses on obtaining beginning nursing skills on the daytoday information required of a critical care nurse, such as assessments and interventions related to pathophysiology, pharmacology, and technology.

**NURS 4490 BACC NURS PERSPECTIVE RN 3.0**

Baccalaureate Nursing Perspective for Registered Nurses. Prerequisite: acceptance into the RNBS program. This course provides the RN student with an introduction to the scientific and theoretical bases for professional nursing. The philosophical, historical and current influences on nursing as an applied science are examined. Theories regarding roles, change, teaching and learning, group processes, critical thinking, and cultural competence are discussed. Expanded settings for practice are exposed.

**NURS 4510 CARING FOR FAM & COMMUNITIES 6.0**

Caring for Families and Communities Prerequisites: 3510, 3610, 3710, 3810 for undergraduate generic students. NURS 3980 and 4490 for RNBS students. Corequisites: HHS 3300, 3500. This course focuses on the acquisition and application of nursing knowledge needed to care for communities as clients with the goal of assisting families, aggregates and communities in the promotion, maintenance and restoration of optimal patterns of health. This course will have a theory component which will be graded and will be assigned 4 credit hours and a clinical practicum component which will be 12 hours per week for seven weeks in a clinical agency and will be pass/fail for 2 credit hours. Both components have to be passed to pass the course. The total credit hours for this course is 6 credits and the grade assigned to the theory portion will be the final grade for the 6 hours.

**NURS 4600 LEADERSHIP & MGT IN NURSING 3.0**

Leadership and Management in Nursing Prerequisites: Nurs 3500, 3510, 3610, 3710 and 3810. For RNBS students: NURS 3980, 4490 and 3500. The course focuses on the application of principles of leadership and management of health care delivery systems. Emphasis is placed upon assuming responsibility for nursing practice including decision making and nursing actions.

**NURS 4610 SENIOR PRACTICUM 4.0**

Senior Practicum. Prerequisite: NURS 3510, 3610, 3710, 3810 and 3500. Prerequisites for RNBS students: NURS 3980, 4490, and 3500. Corequisites: NURS 4510, 4600, 4620. 150 clinical hours over 15 weeks. The course focuses on transition to professional practice. Under supervision, the student assumes the role of professional nurse. Nursing care of clients experiencing complex health care problems is emphasized. The specialty area for the practicum is selected with input from the student, faculty and the clinical agency.

**NURS 4620 CMLPX LIFESPAN HLTH CARE PROBS 3.0**

Complex Health Care Problems Across the Lifespan. Prerequisites: NURS 3510, 3610, 3710, 3810 and 3500. Prerequisites for RNBS students: NURS 3980, 4490, HHS 3500. Corequisites: NURS 4510, 4600, and 4610. This course focuses on complex health care problems across the lifespan. The nurse's role in development, initiation and evaluation of care is studied.

**NUTR = NUTRITION****NUTR 3000 INTRO TO NUTRITION PROF 4.0**

Introduction to the Profession of Nutrition. Prerequisites: Consent of instructor. Through class discussion, visits from practitioners, and faculty lectures, students are introduced to portfolios and to present and projected roles of dietitians and nutritionists. The scientific process, research design and concepts, and statistics are also examined.

**NUTR 3100 NUTRITION AND HEALTH 3.0**

Nutrition and Health. Students are introduced to basic knowledge about nutrients and energy, selecting foods of high nutrient density, and identifying truths and untruths among advertised claims for food products. Current controversial issues such as supplementation, popular diets, and nutrition related diseases are also examined.

**NUTR 3150 FOOD SCIENCE I 4.0**

Food Science I. Prerequisites: Chem 1152K, Nutr 3100. Basic food science terminology and concepts, including food choice determinants, sensory evaluation, food composition, food economics, food guidance tools, and food safety are examined.

**NUTR 3160 FOOD SCIENCE II 4.0**

Food Science II. Prerequisites: Nutr 3150. Three lecture hours, one lab

hour. Food ingredients and processes, including selection, storage, use, preparation, and safety of food commodities functions of food additives, packaging, and preservation techniques are covered in this course.

**NUTR 3170 FOOD SAFETY & SANITATION 3.0**

Food Safety and Sanitation. Prerequisite: Nutr 3150 or consent of instructor. This online course introduces the student to the characteristics of food borne illnesses and of their causal agents, including bacteria, parasites, viruses, and natural toxicants. Testing of chemicals added to foods is also included.

**NUTR 3200 INTRO TO CLIN NUTRITION 2.0**

Introduction to Clinical Nutrition. Prerequisites: Biol 1110, 1120. The study of basic principles of human nutrition and application within the concepts of wellness, primary prevention, and illness are topics of this course. This course is designed only for students in the nursing program.

**NUTR 3500 NUTRITION AND METABOLISM 3.0**

Nutrition and Metabolism. Prerequisites: Nutr 3100 and HHS 3700. Nutrients essential for the human are examined with emphasis on functions, metabolism and factors affecting utilization. The effect of nutrients on biochemical process is the focal point of this course.

**NUTR 3600 LIFE CYCLE NUTRITION 3.0**

Normal Nutrition Through the Life Cycle. Prerequisites: Nutr 3100. This course includes nutrition assessment, physical growth and development, and the physiological basis for nutrient needs in pregnancy, lactation, infancy, childhood, adolescence, adulthood, and senescence. Agespecific dietary recommendations for optimal health and disease prevention are components of this course.

**NUTR 3700 MED BIOCHEM PRINCIPLES 3.0**

This course is an introduction to the chemical events occurring in the human body, with attention to the etiology and clinical manifestation of disease associated with certain metabolic errors.

**NUTR 3810 INTERPRETATION LAB VALUES 3.0**

Interpretation of Clinical Laboratory Values for Health Professionals Prerequisites: Inorganic chemistry with lab, organic chemistry with lab, AND EITHER human physiology OR biochemistry. The course will provide the student with the opportunity to understand the interrelationship between clinical laboratory test results and the disease process occurring in the patient. Laboratory values from hematology, clinical chemistry and urinalysis, and microbiology/immunology will be interpreted for infectious diseases, liver diseases, kidney diseases, hematologic disorders, and metabolic disorders. appropriate case studies will be used to illustrate clinical significance.

**NUTR 4000 FOOD AND CULTURE 3.0**

Food and Culture. Prerequisites: Nutr 3100. This course examines the influence of culture, ethnicity, and religion on food selection, dietary intake and nutrition, and health status, and includes the development of culturally sensitive nutrition interventions.

**NUTR 4105 GERIATRIC NUTRITION 3.0**

Geriatric Nutrition. Prerequisite: Biol 1110K & 1120K or Biol 2107K & 2108K, Nutr 3500. A systems approach is used to discuss macronutrient requirements in human aging. Topics covered include nutrition assessment, nutrition in chronic disease management, health promotion and disease prevention, food intake patterns, and federal and state nutrition services for older adults.

**NUTR 4200 MED NUTRITION THERAPY I 3.0**

Medical Nutrition Therapy I. Prerequisites: Nutr 3500. This course



introduces students to medical nutrition therapy through evidencebased practice. Medical nutrition therapy for the prevention and treatment of the following conditions is covered: nutritional anemias, arthritis, cancer, cardiovascular disease, diabetes, eating disorders, food allergies, human immunodeficiency virus, hypertension, metabolic disorders, obesity and osteoporosis. For each condition, nutrition assessment and food and nutrient interactions with commonly prescribed medications are discussed, as well as complementary and alternative therapies.

**NUTR 4250 MED NUTRITION THERAPY II 3.0**

Medical Nutrition Therapy II. Prerequisite: Nutr 4200. This course introduces students to medical nutrition therapy through evidencebased practice. Medical nutrition therapy for the prevention and treatment of the following conditions is covered: gastrointestinal, liver, gallbladder, pancreas, renal trauma, pulmonary and special feeding techniques. For each condition, nutrition assessment and food and nutrient interactions with commonly prescribed medications are discussed, as well as complementary and alternative therapies.

**NUTR 4300 NUTRITION INTERVENTION I 3.0**

Nutrition Intervention I. Prerequisites: Nutr 3500. This course focuses on the application of a helping model and interviewing and counseling skills to help clients achieve and maintain dietary behavior change. The course includes factors influencing dietary intake and adherence, interpersonal relationship skills, and the use of different counseling theories and strategies.

**NUTR 4400 NUTRITION INTERVENTION II 3.0**

Nutrition Intervention II. Prerequisites: Nutr 4300. This course focuses on community assessment and design, implementation, and evaluation of communitybased nutrition interventions for specific target groups. This course includes US government food and nutrition programs and the policymaking process.

**NUTR 4500 ORG & MGT OF NUTR SVCS 3.0**

Organization and Management of Nutrition Services. Prerequisite: Nutr 3500. The study and application of principles and fundamentals of organization and management of nutrition programs are components of this course. Management theories and principles are presented in the context of the environment and how they affect achievement of quality programs.

**NUTR 4600 FOOD SERVICE SYSTEMS 4.0**

Food Service Systems. Prerequisite: Nutr 4500. The course focuses on the administrative aspect of a food service system including financial management, human resource planning, safety and sanitation, and energy and environmental issues. Practical experiences are provided in menu planning, nutrient analysis, and food service systems analysis.

**NUTR 4950 SENIOR SEMINAR 2.0**

Senior Seminar. Prerequisites: Nutr 4200. Students present a seminar on a topic derived from medical nutrition therapy and demonstrate competency in oral communication, use of appropriate visual aids, and organizational, research and critical thinking skills.

**NUTR 4960 NUTRI & PHYSICAL FITNESS 3.0**

Nutrition and Physical Fitness. Prerequisites: Consent of instructor. This course is directed toward the specific roles of energy and nutrients in physical performance. Topics include faddism, quackery, and common myths associated with nutritional management of the athlete. Appropriate strategies for weight change, unique dietary concerns for the female, endurance and vegetarian athletes, the pregame meal, and the interrelationships among nutrition, physical activity and cardiovascular health are also explored.

**NUTR 4970 NUTRITION AND THE MEDIA 3.0**

Nutrition and The Media. Prerequisites: Nutr 3100, Spch 1000 or consent of instructor This course is designed to provide students a hands on experience with various media formats. Students write press releases, plan and practice radio and TV interviews, and write short nutrition feature stories for print.

**NUTR 4990 ENTREPRENEURIAL NUTRITION 3.0**

Entrepreneurial Nutrition. Prerequisites: NUTR 3100 or consent of instructor. Students learn successful techniques of entrepreneurship in dietetics and formulate business plans for development of private practice in dietetics.

**NUTR 4999 NUTRITION PROJECT 1.0 to 6.0**

Nutrition Project. Prerequisites: Consent of instructor. This course includes supervised independent study in an area of special interest to the student.

## **PAUS = PUBLIC ADM & URBAN STUDIES**

**PAUS 3011 INTRODUCING THE CITY 3.0**

Introducing the City. This course serves as an introduction to the field of urban policy studies, exploring historical, social, physical, political and economic issues and concepts. Examples from the City of Atlanta and the Atlanta metropolitan region are used to illustrate many of the subjects. The course is appropriate for all students with a professional or personal interest in urban issues.

**PAUS 3111 URBAN POLITICAL ECONOMY 3.0**

Urban Political Economy. Prerequisite: PAUS 3011. An examination of the intersection of the political and economic systems in the United States and how they impact urban areas. Of particular interest are urban development policies.

**PAUS 3211 CAREER DEV PUBLIC & NONPROFIT 3.0**

Career Development in Public and Nonprofit Organizations. This course focuses on policies and methods used to align the career plans and aspirations of employees with the goals and critical skills needs of public and nonprofit agencies. Major career development system components are examined, including targeted selection, job enrichment, fasttracking, core competency assessments, workfamily programs, diversity initiatives, executive development, and succession planning. Career planning and development issues and problems that affect persons during different career and life stages are addressed.

**PAUS 3311 PUBLIC POLICY PROCESS 3.0**

The Public Policy Process. This course examines how the processes of public policy operate from agenda setting through formulation and legitimation to implementation and eventual evaluation with illustrations drawn from several areas of urban policy.

**PAUS 3411 CONTEMPORARY PLANNING 3.0**

Contemporary Planning. This course introduces the student to the principles, issues, and practice of urban planning. It reviews the history of planning, models of the planning process, and issues in contemporary urban planning practice in several substantive specialties, including transportation, land use, environmental, and economic development planning.

**PAUS 3531 AIR TRAFFIC MANAGEMENT 3.0**

Air Traffic Management. A study of the FAA Air Traffic Control system, communications, and operations procedures, separation rules of air traffic, and advanced communication navigation and surveillance systems.

**PAUS 3611 INTRO HRD PUBLIC & NONPROFIT 3.0**

Introduction to Human Resource Development (HRD) in Public and

Nonprofit Organizations. This course introduces students to the human resource development (HRD) profession and its application in the public and nonprofit sectors. Issues and roles associated with the design and development of training programs, organization development (OD) interventions, and strategies for career development counseling are addressed through research findings and case studies.

**PAUS 3801 PUBLIC ADMIN & POLITICS 3.0**

Public Administration and Politics. Prerequisites: PAUS 3011 or PAUS 3311. Bureaucratic politics and behavior in the political process. The role of bureaucrats in policy making and implementation agency strategies, relations with other executive agencies and with the legislature, the president, the judiciary and clientele groups.

**PAUS 3831 GOVERNMENTAL BUDGETING 3.0**

Governmental Budgeting. (Same as PolS 3770.) A study of fiscal planning and management in the administrative process, budgetary theory, and the budget process.

**PAUS 4021 POLICY RESEARCH METHODS I 3.0**

Policy Research Methods I. This course will survey research methods applicable to the study of public policy. Course topics will cover fundamental issues in research design, such as the development of theory and the consideration of ethical dilemmas in research, as well as data collection and analysis.

**PAUS 4031 POLICY RES METHODS II 3.0**

Policy Research Methods II. This course focuses on quantitative research methods applicable to the study of public policy. Students will learn how to develop and test empirical hypotheses using techniques such as contingency table analysis, inferential statistics, and regression analysis.

**PAUS 4061 MICROECON PUBLIC POLICY 3.0**

Microeconomics for Public Policy. Prerequisites: Econ 2105, Econ 2106. The purpose of this course is to introduce principles of microeconomics to students for use when analyzing public policy for effective public administration and planning. The course will consider concepts of microeconomic principles including market failure, public goods, supply and demand, pricing, and externalities. These concepts will be presented using practical examples involving the public sector, and students will practice application through problem solving.

**PAUS 4071 URBAN POLICY ANALYSIS 3.0**

Advanced Methods for Policy Research. This course will introduce students to a variety of advanced quantitative research methods. These include regression, decision analysis, simulation, and benefit cost analysis. Students will learn to apply these methods to realworld problems.

**PAUS 4081 EVALUATION RESEARCH 3.0**

Evaluation Research. Prerequisite: PAUS 4021. An examination of the techniques and practice of program evaluation for effectiveness in program administration. The course contrasts deductive and inductive approaches. The instructor illustrates the advantages of using evaluation as a mechanism for program improvement.

**PAUS 4091 WORKSHOP ON PUBLIC POLICY 3.0**

Workshop on Public Policy. Prerequisite: PAUS 4031 or concurrent registration. An advanced seminar on the application of appropriate research techniques to the study of public policy questions especially at the state and local levels.

**PAUS 4211 ISSUES PERS MGT PUBLIC/NONPROF 3.0**

Issues and Problems in Personnel Management Systems for Public and Nonprofit Agencies. This course provides an introduction to personnel administration for public and nonprofit organizations with

an emphasis on human capital issues and problems that challenge policy makers and managers. The course concentrates on the policy issues and problems that challenge today's human resources specialists, managers, and supervisors. Students will study policy issues from the political, legal, and organizational perspectives. Topics covered include equal employment opportunity and the glass ceiling, affirmative action and diversity, sexual harassment law and policy, alternative approaches to pay and benefits, employee health and safety and employer liability, and adapting personnel policies to the needs of the new American workforce. Problems related to recruitment, selection, compensation, career development and training, and collective bargaining are examined, and possible solutions to these problems are evaluated. Emphasis is placed on active participation and problem solving through group case study analysis and class discussions.

**PAUS 4221 HUMAN CAPITAL DEV POLICY 3.0**

Human Capital Development Policy. This course examines trends in human capital development policies at the local, state, and national levels. Emphasis is on human capital theory, the skills and qualifications of workers, and public/private partnership case examples. Significant for the 1990s are the special linkages between economic development and investments in human resources, and the circumstances that influence the development of human capital within different demographic groups.

**PAUS 4241 TRAINING DESIGN & STRAT 3.0**

Training Design and Strategies. This course introduces students to the instructional systems design model as a means of exploring the learning theory and design practices required for instructionally sound training programs. The model begins with a discussion of how to identify training needs and continues through the actual design and development of materials. Traditional forms of instructional media as well as new forms of instructional technology are covered. Special consideration is given to the evaluation of training programs.

**PAUS 4261 ORG CONTEXTS PUB/NONPROFIT PER 3.0**

Organizational Contexts of Public and Nonprofit Personnel Policy and Administration. This course explores concepts related to how complex public and nonprofit organizations function as socialpsychological and cultural settings for strategic human resource planning and development efforts. Links between cultural norms, individual and group behavior, organizational performance, and planned change socialtechnical systems are explored.

**PAUS 4301 LOCAL GOVERNANCE 3.0**

Local Governance. Prerequisite: PAUS 3011. An introductory course for urban governance students and others interested in the management of local government. The course encompasses public administration, political science, management and other subjects.

**PAUS 4321 AFRAMER POLITICAL PARTICIP 3.0**

AfricanAmerican Political Participation. Analysis of the ideology, public opinions and political behavior of AfricanAmericans. Study of the AfricanAmerican impact on the electoral system.

**PAUS 4401 PLANNING THEORY & ANAL 3.0**

Planning Theory and Analysis. Prerequisites: PAUS 3411. A course using computer spreadsheets and assigned readings to analyze planning and economic development issues. Case problems may include population, employment, land use, environmental, and transportation examples. PAUS 4421. GIS and synthesis of geographical data with composite map overlay, databases, and computer graphics. Includes application of GIS to local government, demographics, planning, transportation, aviation, emergency management, health, social services, marketing, business, real estate, and environment.



## 430 Course Descriptions

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### **PAUS 4421 GIS APP. PLAN & POL ANAL 3.0**

GIS Application to Planning and Policy Analysis. Integrational and synthesis of geographical data with composit map overlay, databases, and computer graphics. Includes application of GIS to local government, demographics, planning, transportation, aviation, emergency management, health, social services, marketing, business, real estate, and the environment.

### **PAUS 4431 PRAC COMMUNITY ORGANIZING 3.0**

The Practice of Community Organizing. Prerequisite: PAUS 3011. This course examines emerging trends in community organization practice. Models are presented and skills developed relevant to issue identification, problem solving, and community action in community practice. Experimental learning includes case studies, simulation, fieldwork, and roleplay techniques to develop organizing skills that can be applied directly in the field.

### **PAUS 4451 EC DEVELOPMENT POLICY 3.0**

Economic Development Policy. Prerequisite: PAUS 3411. An overview of recent literature and examples of options available to communities as they plan and finance economic development activities.

### **PAUS 4461 PLANNING WORKSHOP 3.0**

Planning Workshop. Prerequisites: PAUS 3411 and consent of instructor. A seminar in which students work on an applied planning problem under the instructor's direction.

### **PAUS 4471 URBAN INFRASTRUCT PLANNING 3.0**

Urban Infrastructure Planning and Policy. Recent case examples and research will illuminate issues of planning, policy, and management of public infrastructure, including storm and waste water conveyance and treatment, water supply, and transportation facilities.

### **PAUS 4501 TRANSPORTATION MANAGEMENT 3.0**

Transportation Management. Topics covered in this course include: government's role in transportation; demand for passenger and freight transportation; highway carriers; railroads; pipelines; domestic aviation; intermodal transportation and international transportation; transportation pricing; and carriers in the public and private sectors.

### **PAUS 4531 AVIATION & TRANS SAFETY MGT 3.0**

Aviation and Transportation Safety Management. The study of transportation and aviation safety management concepts and theory. The course will also introduce the student to human factors in accident prevention, system safety, and basic accident investigation techniques.

### **PAUS 4581 AIRPORT MGT, OPERATIONS & PLAN 3.0**

Airport Management, Operations and Planning. Topics include: airport management; organization, zoning practices, financing of operations and facilities, safety, and public relations; master planning; the socioeconomic impact of airports on local communities.

### **PAUS 4601 LEADERSHIP, CITIZENSHIP 3.0**

Leadership, Citizenship, and Public Ethics. Prerequisites: PAUS 3111, PAUS 3311. This course examines the roles and responsibilities of leaders and citizens in the making and applying of public policies in contemporary communities. Special attention is given to issues of public ethics, that is, on what bases do we make decisions about the "right" or "just" policies?

### **PAUS 4651 EDUCATION POLICY 3.0**

Education Policy. This course will explore a range of issues relevant to contemporary debates on education policy. Topics will include: the historical role and changing politics of education; the impact of educational attainment on income; the nature of the crisis in American schools; and an examination of proposed reforms. The course will also examine the relevance of current reforms to broader issues such as equality and democratic theory.

### **PAUS 4901 DIRECTED READINGS 1.0 to 6.0**

Directed Readings. Prerequisites: consent or instructor. This course provides the opportunity for students to focus attention on a specific area of interest. It may not be used to substitute for a course that is offered on a regular basis.

### **PAUS 4911 SELECTED TOPICS 3.0**

Selected Topics. Prerequisite: consent of instructor. A seminar designed to explore in depth the most recent issues and/or research results in a particular area of urban affairs. May be repeated if topic varies.

### **PAUS 4941 INTERNSHIP 3.0 to 6.0**

Internship. Prerequisites: consent of instructor and a cumulative GPA of at least 2.50. The academic internship provides senior students with opportunities to broaden and extend their foundation knowledge from the classroom to the world of work. Placement must be approved by the department's internship coordinator, with faculty supervision during employment.

### **PAUS 4981 PRACTICUM 3.0**

Practicum. Prerequisite: consent of instructor and cumulative GPA of at least 3.0. This course provides supervised application of concepts in the student's work setting or an approved field practice site. It will typically entail a project encompassing one or more aspects of human resources. The course is grades S/U.

## **PERS = PERSPECTIVES**

### **PERS 2001 PERSPECTIV:COMPARATIVE CULTURE 2.0**

Perspectives on Comparative Culture. A group of interdisciplinary courses that provide a better understanding of the contemporary world through the study of different cultures. One course from this category may be used to fulfill requirements in Area B, Institutional Options. Additional information is available online at <http://www.gsu.edu/areab>.

### **PERS 2002 SCIEN PERSP ON GLOBAL PROBLEMS 2.0**

Scientific Perspectives on Global Problems. A group of interdisciplinary courses that deal with scientific approaches to important issues on the environment, public health, or technology. One course from this category may be used to fulfill requirements in Area B, Institutional Options.

## **PFP = PERSONAL FINANCIAL PLANNING**

### **PFP 4000 PERSONAL FIN PLANNING 3.0**

Personal Financial Planning. Prerequisite: Fi 3300 or consent of instructor. CSP: 1, 2, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the process of comprehensive personal financial planning and explores the integrative use of financial services and products to achieve personal and financial objectives. The changing nature of the financial services environment is explored. Students are required to develop a comprehensive, personal financial plan.

### **PFP 4389 DIR READ IN PERSONAL FIN PLAN 1.0 to 3.0**

Directed Readings in Personal Financial Planning. Prerequisite: consent of instructor.

## **PHIL = PHILOSOPHY**

### **PHIL 1010 CRITICAL THINKING 2.0**

Critical Thinking (previously Phil 2410). Development of practical, logical, and problemsolving skills important to all disciplines, with emphasis on the composition of argumentative essays. Defini-

tions, types of meanings, fallacious and deceptive arguments, deductive and inductive reasoning. Introduction to major forms of scientific and logical reasoning used across humanities, sciences and social sciences, including deductive, hypothetico-deductive, and inductive arguments such as statistical, causal, and analogical. This course may be used as one of the courses required in Area B, Institutional Options, and is designed to prepare students for courses in Areas C, D, and E.

**PHIL 2010 GREAT QUESTIONS OF PHILOSOPHY 3.0**

Great Questions of Philosophy. Examination of issues basic to human existence, such as western and nonwestern conceptions of human nature, knowledge, God, the meaning of life, freedom, life after death, morality, and justice.

**PHIL 2050 PHILOSOPHICAL THINKING 3.0**

Philosophical Thinking. Philosophical methods, concepts, skills, and principles. For example: sentential logic, regress and reductio arguments, paradigm case arguments, types of supervenience, Leibniz's Law, necessity versus apriority. Applications to important philosophical texts. (Required for philosophy majors in Area F.)

**PHIL 2410 CRITICAL THINKING 2.0**

Critical Thinking. Has been replaced with Phil 1010. Phil 1010 counts in Area B of the core.

**PHIL 3000 MORTAL QUESTION:SEARCH/MEANING 3.0**

Mortal Questions: The Search for Meaning. Examination of topics central to living a meaningful life, such as life goals, death, work, spirituality, money and ownership, emotions, friendship, and love. Readings from selected philosophers.

**PHIL 3010 HISTW PHIL I: ANCIENT & MEDIEVAL 3.0**

History of Western Philosophy I: Ancient and Medieval. (Same as RelS 3010.) Development of European philosophy from the early Greeks to the Renaissance. Typically included are Socrates, Plato, Aristotle, St. Augustine, and St. Thomas Aquinas.

**PHIL 3020 HISTW WESTRN PHIL II: MODERN 3.0**

History of Western Philosophy II: Modern. (Same as RelS 3020.) Development of European philosophy from the Renaissance to the Enlightenment. Typically included are Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

**PHIL 3030 HISTW PHIL III: 19TH/20TH CENTURY 3.0**

History of Western Philosophy III: 19th/20th Century. (Same as RelS 3030.) Development of European and American philosophy from the Enlightenment to the midtwentieth century. Philosophers and schools may include Hegel, Marx, Mill, Nietzsche, Russell, James, Dewey, Sartre, Whitehead, and Wittgenstein, and idealism, pragmatism, process thought, existentialism, and analytic philosophy.

**PHIL 3050 ANALYTIC PHILOSOPHY 3.0**

Analytic Philosophy. Introduction to analytic philosophy through some of the most important works by leading figures, such as Russell, Ayer, Quine, Austin, Ryle, and Putnam.

**PHIL 3060 EXISTENTIALISM 3.0**

Existentialism. Introduction to existentialism through selected literary and philosophical writings of Kierkegaard, Nietzsche, Camus, de Beauvoir, Sartre, and others.

**PHIL 3080 ISSUES IN AFRICAN AMERICAN PHILOSOPHY 3.0**

Issues in African American Philosophy. (Same as AAS 3080.) Examination of historical and contemporary figures and issues in African American philosophy. Historical figures such as Douglass, DuBois, Delaney, and Garvey as well as historical topics such as emigration and assimilation. Contemporary figures may include M.

L. King, Cornel West, and Angela Davis. Contemporary issues such as civil rights/ civil disobedience, Black feminist thought, integration, and Black self-respect.

**PHIL 3230 PHILOSOPHY OF RELIGION 3.0**

Philosophy of Religion. (Same as RelS 3230.) Issues such as the nature of religion, arguments for the existence of God, the problem of evil, faith and reason, religious experience, immortality, myth and symbol, and alternative religious philosophies.

**PHIL 3530 CLASSICAL & EARLY MODERN POLITICAL THOUGHT 3.0**

Classical and Early Modern Political Thought. (Same as PolS 3530.) A survey of the historical writings in political thought from Plato to Machiavelli. Special emphasis on the contributions these thinkers made to Western conceptions of democracy, equality, human nature, citizenship, etc. as well as the continuing relevance of the texts for explaining contemporary political phenomena.

**PHIL 3540 MODERN POLITICAL THOUGHT 3.0**

Modern Political Thought. (Same as PolS 3540.) A survey of the historical writings in political thought from Hobbes to Marx. Special emphasis on the contributions these thinkers made to Western conceptions of democracy, equality, human nature, citizenship, etc., as well as the continuing relevance of the texts for explaining contemporary political phenomena.

**PHIL 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisite: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**PHIL 3700 CLASSICAL & EARLY MODERN POLITICAL THOUGHT 3.0**

Classical and Early Modern Political Thought. (Same as PolS 3530.) Survey of selected writings in political philosophy from Plato to Machiavelli with emphasis on their contributions to Western conceptions of democracy, equality, and human nature as well as to contemporary political debate.

**PHIL 3710 MODERN POLITICAL THOUGHT 3.0**

Modern Political Thought. (Same as PolS 3540.) Survey of selected writings in political philosophy from Hobbes to Marx, with emphasis on the topics of democratic institutions, equality, human nature, and the place of the individual in the modern state.

**PHIL 3720 CONTEMPORARY MORAL PROBLEMS 3.0**

Contemporary Moral Problems. Selected moral issues, such as abortion, euthanasia, environmentalism, genetic engineering, feminism, animal rights, gay and lesbian rights, and political violence. Brief coverage of ethical theories as they relate to the issues at hand.

**PHIL 3730 BUSINESS ETHICS 3.0**

Business Ethics. Moral issues in business, such as social responsibility, employee obligations and rights, ethics and the professions, marketing and advertising practices, and the environment. Issues in both domestic and international areas may be discussed.

**PHIL 3740 BIOMEDICAL ETHICS 3.0**

Biomedical Ethics. An introductory survey of major moral problems in bioethics. Topics such as abortion, death and euthanasia, treatment of the mentally ill, experimentation with human subjects, and genetic research will be covered.

**PHIL 3900 STUDIES IN PHILOSOPHY 3.0**

Studies in Philosophy. Examination of selected philosopher(s) or topic(s). May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4010 PLATO 3.0**

Plato. Prerequisite: one 2000 or 3000level course in philosophy, or consent of instructor. Advanced introduction to the major areas of Plato's philosophy, which may include the relationship between virtue and knowledge, the theory of recollection, the theory of forms, the nature of sensible objects, and the relationship between the individual and the state. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4020 ARISTOTLE 3.0**

Aristotle. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Advanced introduction to the major areas of Aristotle's philosophy, which may include early and later theories of substance, methodology, the study of nature, the soul, and ethics. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4030 TOPICS: ANCIENT PHILOSOPHY 3.0**

Topics in Ancient Philosophy. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Investigation of a specific theme, philosopher, or text, such as Aristotle's ethics, the philosophy of Socrates, Plato's Republic, Stoicism, Hellenistic ethics, or Aristotle's philosophy of mind. May be repeated if topic varies, but only six credit hours may be applied to the major. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4040 AUGUSTINE & AQUINAS 3.0**

Augustine and Aquinas. Prerequisite: one 2000 or 3000level course in philosophy, or consent of instructor. (Same as RelS 4040. Formerly Phil 4120.) Selected works of the major religious philosophers of the Middle Ages with emphasis on their views on topics such as God, sin, human nature, free will, faith, and politics. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4050 TOPICS: MODERN PHILOSOPHY 3.0**

Topics in Modern Philosophy. (Formerly Phil 4150.) Prerequisite: one 2000 or 3000level philosophy course or consent of instructor. Intensive study of works of modern philosophers such as Descartes, Spinoza, Leibniz, Malebranche, Hobbes, Locke, Rousseau, Berkeley, Hume, Reid, Kant, and Hegel. The course may be organized around the works of a single philosopher, or it may survey the development of a particular area of modern philosophy (such as moral philosophy, political philosophy, metaphysics, epistemology, or aesthetics). May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4055 HUME 3.0**

Hume. Prerequisite: one 2000 or 3000level course in philosophy or consent of instructor. Advanced introduction to the major areas of Hume's philosophy. Topics may include the relation between his theoretical and moral philosophy, skepticism, causation, necessity, the foundations of human knowledge, self consciousness, personal identity, reason, will, sentiment, naturalism, and normativity. A maximum of six credit hours may be applied toward the major.

**PHIL 4060 KANT 3.0**

Kant. (Formerly Phil 4160.) Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Advanced introduction to the major areas of Kant's theoretical and/or practical philosophy. Topics may include: Kant's conception of the task and method of philosophical inquiry, the relation of metaphysics and epistemology to natural science, skepticism, causality, freedom, the moral law, and the religious, political, and social ramifications of Kant's moral philosophy. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4070 MARXISM 3.0**

Marxism. (Formerly Phil 4790.) Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Origin and development of central themes in the philosophy of Karl Marx, such as alienation, exploitation, and dialectal materialism, with limited reference to contemporary trends in Marxist thought. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4075 TOPICS 19TH CENTURY PHILOSOPHY 3.0**

Topics in 19th Century Philosophy. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Investigation of a specific theme, philosopher, or text, such as Hegel, Nietzsche, German Idealism, or the emergence of philosophy in America. May be repeated if topic varies, but only six credit hours may be applied to the major.

**PHIL 4080 WITTGENSTEIN 3.0**

Wittgenstein. (Formerly Phil 4170.) Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Intensive study of selected works, including the *Tractatus LogicoPhilosophicus*, *Philosophical Investigations*, *On Certainty*, and others. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4085 TOPICS HISTORY OF PHILOSOPHY 3.0**

Topics in the History of Philosophy. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Investigation of a specific theme, philosopher, or text, such as Scepticism in Ancient and Modern Philosophy, Anselm, or the *Summa Contra Gentiles*. May be repeated if topic varies, but only six credit hours may be applied toward the major.

**PHIL 4090 TOPICS: CONTINENTAL PHILOSOPHY 3.0**

Topics in Continental Philosophy. (Formerly Phil 4190.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Study of works of such authors as Husserl, Scheler, Heidegger, Sartre, MerleauPonty, and Ricoeur. May be repeated if topic varies, but only six credit hours may be applied to the major.

**PHIL 4095 TOPICS IN ANALYTIC PHILOSOPHY 3.0**

Topics in Analytic Philosophy. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Study of works of such authors as Russell, Moore, Carnap, Putnam, Lewis, Feinberg, Hart, and Rawls.

**PHIL 4100 EPISTEMOLOGY 3.0**

Epistemology. (Formerly Phil 4190.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Problems in the concept of knowledge, such as the definition of propositional knowledge, the problem of induction, the a priori, and theories of truth. May also include theories such as coherentism, reliabilism, and foundationalism.

**PHIL 4130 PHILOSOPHY OF SCIENCE 3.0**

Philosophy of Science. (Formerly Phil 4430.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Varieties of scientific explanation; hypothesis formation and confirmation; paradigms, laws, and theories; the status of unobservable entities; holism and reductionism; science and values; nature and scope of scientific progress; limits of scientific explanation.

**PHIL 4150 TOPICS IN EPISTEMOLOGY 3.0**

Topics in Epistemology. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Investigation of selected contemporary or classical topics in epistemology. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4300 METAPHYSICS 3.0**

Metaphysics. Prerequisite: One 2000 or 3000 level philosophy course, or consent of instructor. (Same as RelS 4300. Formerly Phil 4600.) Topics may include personal identity and human nature; space, time, matter, and causality; freedom and determinism; teleology; conceptions of divinity; and world views and paradigm shifts.

**PHIL 4330 PHILOSOPHY OF MIND 3.0**

Philosophy of Mind. (Formerly Phil 4440.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Topics such as theories of mind; the connection between mental and physical states; the relation between mind, language, and the world; and artificial intelligence.

**PHIL 4350 TOPICS IN METAPHYSICS 3.0**

Topics in Metaphysics. Prerequisite: One 2000 or 3000 level philosophy course, or consent of the instructor. Study of specific issues in metaphysics, such as free will, causation, time, personal identity, possible worlds, existence of God, realism, etc. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4520 SYMBOLIC LOGIC 3.0**

Symbolic Logic. Prerequisite: One 2000 or 3000level philosophy course, or consent on instructor. Fundamentals of propositional and predicate logic, with selected topics in such areas as the logic of identity and relations. Emphasis placed on construction of proofs in formal systems.

**PHIL 4530 PHILOSOPHY OF LANGUAGE 3.0**

Philosophy of Language. (Formerly Phil 4400.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Efforts in twentiethcentury philosophy to account for the unique capacities of language to represent the world and to communicate our beliefs about it. Topics may include the nature of language, theories of meaning and reference, semantic paradoxes, private language, speech acts, and nonhuman language.

**PHIL 4610 HINDUISM 3.0**

Hinduism. (Same as RelS 4610.) Introduction to the Hindu gods and goddesses, Hindu temple and domestic worship, and key themes in modern Hinduism. Will include an overview of the development of Hindu thought and practice from ancient times to the present.

**PHIL 4615 BUDDHISM 3.0**

Buddhism. (Same as RelS 4615.) Historical introduction to the Buddhist tradition, tracing its developments in India, Southeast Asia, Tibet, China, Japan, and the West.

**PHIL 4620 CONFUCIANISM AND TAOISM 3.0**

Confucianism and Taoism. (Same as RelS 4620.) Historical introduction to Chinese religion and philosophy, tracing developments in Confucianism and Taoism. Some consideration given to Chinese Buddhism and popular religion.

**PHIL 4625 ZEN AND SHINTO 3.0**

Zen and Shinto. (Same as RelS 4625.) Historical introduction to Japanese religion and philosophy, tracing its developments in Shinto, folk religion, and various Buddhist schools. Special consideration given to Zen Buddhism.

**PHIL 4650 RELIGION AND ETHICS 3.0**

Religion and Ethics. (Same as RelS 4650.) Study of the relation between religion and morality, including both Eastern and Western religious perspectives. Topics may include such issues as warfare, social justice, sexual ethics, and issues in modern medicine.

**PHIL 4670 CHURCH AND STATE 3.0**

Church and State. (Same RelS 4670.) Philosophical and theological perspectives on the relationship between church and state. Issues such as conscientious objection, school prayer, the free exercise of religion, and Islamic attitudes toward the state.

**PHIL 4680 WAR, PEACE, AND RELIGION 3.0**

War, Peace, and Religion. (Same as RelS 4680.) Comparative study of attitudes toward war and violence in major religious traditions. Topics may include the Christian justwar tradition; Islamic notions of jihad; Buddhist renunciation and pacifism; the writings of Gandhi; nuclear arms and the status on noncombatants; civil disobedience and conscientious objection; and religious motivated terrorism.

**PHIL 4690 TOPICS PHILOSOPHY OF RELIGION 3.0**

Topics in Philosophy of Religion. Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. An advanced introduction to the philosophy of religion. May be repeated if topic varies, but only six credit hours may be applied to the major.

**PHIL 4700 ETHICS 3.0**

Ethics. Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Major Western theories, such as relativism, egoism, emotivism, utilitarianism, deontology, naturalism, intuitionism, virtue ethics, existential ethics, and feminist ethics.

**PHIL 4720 ENVIRONMENTAL ETHICS 3.0**

Environmental Ethics. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. A consideration of the challenges environmental problems pose for ethical theory. Topics covered may include: the moral status of nonhuman animals, environmental preservation and restoration, environmental sustainability, development, human population growth, ethics as it bears on issues in nonbiological environmental sciences, and other related issues.

**PHIL 4740 ADVANCED BIOMEDICAL ETHICS 3.0**

Advanced Biomedical Ethics. Prerequisite: one 2000 or 3000level philosophy course, or consent of instructor. Major moral problems in science and medicine, including abortion, death and euthanasia, treatment of the mentally ill, experimentation with human subjects, and genetic research.

**PHIL 4750 TOPICS IN ETHICS 3.0**

Topics in Ethics. Prerequisite: one 2000 or 3000level philosophy course, or consent of the instructor. Study of the works of major authors or views in normative ethics and/or metaethics. The focus will be on contemporary ethics but the course may include some study of historical figures. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4800 SOCIAL & POLITICAL PHILOSOPHY 3.0**

Social and Political Philosophy. (Formerly Phil 4760.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Issues such as the definition and justification of human rights, justice, social welfare, and forms of political participation, and the debate between ideologies. Readings from classical and contemporary sources, for example, Plato, Locke, Mill, Marx, and Rawls.

**PHIL 4820 PHILOSOPHY OF LAW 3.0**

Philosophy of Law. (Formerly Phil 4720.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Topics such as theories of law, feminist legal theory, the nature of legal reasoning, legal obligation, law and justice, law and morality.

**PHIL 4822 TOPICS IN PHILOSOPHY OF LAW 3.0**

Topics in Philosophy of Law. Prerequisite: one 2000 or 3000level



philosophy course, or consent of instructor. Study of selected topics in the philosophy of law. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4830 PHILOSOPHY OF ART 3.0**

Philosophy of Art. Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Historical and contemporary accounts of the nature of art, aesthetic experience, creative activity, imagination, expression, interpretation, and aesthetic evaluation.

**PHIL 4850 AFRICAN ETHICAL/LEGAL ISSUES 3.0**

African American Ethical and Legal Issues. Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. (Same as AAS 4750. Formerly Phil 4750.) Application of ethical and legal theories to selected issues, such as affirmative action, the legality of slavery, civil disobedience, punishment, and reparations.

**PHIL 4860 PHIL PERSPECTIVES ON WOMEN 3.0**

Philosophical Perspectives on Women. (Same as WSt 4360, Formerly Phil 4770.) Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Classical and contemporary issues concerning women, such as discrimination on the basis of gender, class, race, or sexuality, whether gender is natural or constructed, and historical roots of feminist and anti feminist perspectives.

**PHIL 4870 HONORS THESIS: RESEARCH 1.0 to 6.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. (Formerly Phil 4770.) Readings or research preparatory to honors thesis or project.

**PHIL 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Phil 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**PHIL 4890 TOPICS SOCIAL & POLITICAL PHIL 3.0**

Topics in Social and Political Philosophy. Prerequisite: One 2000 or 3000level philosophy course, or consent of the instructor. Study of selected issues in social/political philosophy. The focus will be on contemporary ethics but the course may include some study of historical figures. May be repeated if topic varies. A maximum of six credit hours may be applied toward the major.

**PHIL 4900 ISSUES IN PHILOSOPHY 3.0**

Issues in Philosophy. Prerequisite: One 2000 or 3000level philosophy course, or consent of instructor. Examination of selected philosopher(s) or topic(s). May be repeated if topic varies, but only six credit hours may be applied to the major.

**PHIL 4950 INDEPENDENT RESEARCH 1.0 to 3.0**

Independent Research. Prerequisite: consent of instructor. Designed to provide students with the opportunity to do more advanced work in an area in which they have already had regular course work. Not to be used as a substitute for regular upperlevel courses.

## **PHOT = PHOTOGRAPHY**

**PHOT 3000 PHOTOGRAPHY I 3.0**

Photography I. Prerequisites: Art 1010 and 1030 with grades of C or higher. Introduction to photography within a fine arts context. Operation of the 35mm camera, black and white film exposure and development, silver gelatin print processing, and archival presentation.

**PHOT 3010 PHOTOGRAPHY II 4.0**

Photography II. Prerequisite: Phot 3000 with grade of C or higher.

Intermediate level course emphasizing technical competency and alternative ways of making photographic imagery. Medium format cameras and introduction to a variety of black and white films and papers.

**PHOT 3100 ALTERNATIVE PROCESSES 4.0**

Alternative Processes. Prerequisite: Phot 3010 with grade of C or higher. Printing processes include cyanotype, Van Dyke brown, Kwik Print, palladium, Liquid Light. Experimentation and independent research emphasized.

**PHOT 4000 SELECTED TOPICS IN PHOTOGRAPHY 3.0**

Selected Topics in Photography. Prerequisite: consent of instructor. Special topics for studio art majors. May be repeated for a maximum of six credit hours.

**PHOT 4100 COLOR PHOTOGRAPHY 4.0**

Color Photography. Prerequisite: Phot 3010 with grade of C or higher. Techniques and aesthetic elements of color. Negative and positive films, negative print processing.

**PHOT 4300 STUDIO PHOTOGRAPHY 4.0**

Studio Photography. Prerequisites: Phot 3010 with grade of C or higher. Studio practice within fine arts context. Large format cameras, use of studio lighting and equipment.

**PHOT 4410 CREATIVE PROCESS AND PRACTICE 3.0**

Creative Process and Practice. Prerequisites: Phot 3100 and one 4000level Phot course with grades of C or higher, or consent of instructor. Exploration in photography examining philosophy of art making through intensive studio practice.

**PHOT 4420 DIGITAL PHOTOGRAPHY 4.0**

Digital Photography. Prerequisite: Phot 3010 with grade of C or higher. Introduction to computer assisted imaging. Basic understanding of Macintosh computer operation is essential.

**PHOT 4430 DIGITAL VIDEO FOR ARTISTS 4.0**

Digital Video for Artists. Prerequisite: Phot 3010 with grade of C or higher. Introduction to interactive multimedia utilizing computer assisted approaches.

**PHOT 4500 DIRECTED STUDY IN PHOTOGRAPHY 4.0**

Directed Study in Photography. Prerequisites: Phot 3100, 4100, 4300, 4420, and 4430 with grades of C or higher. Individual studio problems for advanced students. May be repeated for a maximum of twelve credit hours.

**PHOT 4910 HISTORY OF PHOTOGRAPHY 3.0**

History of Photography. History of photography from early nineteenth century to present; technical and aesthetic development; influences the medium has had on art and culture.

**PHOT 4920 ADVANCED WORKSHOP: SELECT TOPICS 4.0**

Advanced Workshop: Selected Topics. Prerequisites: Phot 4910 and two 4000level photo studio courses with grades of C or higher, or consent of instructor. Advanced exploration of contemporary ideas and photographic techniques. Designed to expand the boundaries of traditional photographic practice.

**PHOT 4930 INTERNSHIP IN PHOTOGRAPHY 4.0**

Internship in Photography. Prerequisite: consent of advisor. Practicum in the field outside university setting. Written agreement outlining internship goals required.

**PHOT 4940 PORTFOLIO I 3.0**

Portfolio I. Prerequisite: Phot 4500 with grade of C or higher. Senior year studio experiences for B.F.A. degree candidates. Committee review.

**PHOT 4950 PORTFOLIO II 3.0**

Portfolio II. Prerequisite: Phot 4940 with grade of C or higher, or concurrently. Culminating studio experiences for B.F.A. degree candidates. Committee review.

**PHOT 4980 SPECIAL PROBLEMS 4.0**

Special Problems. Prerequisite: consent of instructor or of School director. Independent studies initiated by the student. May be repeated for a maximum of eight credit hours if topic varies.

**PHYS = PHYSICS****PHYS 1111K INTRODUCTION TO PHYSICS I 4.0**

Introduction to Physics I. Three lecture and two laboratory hours a week. Mechanics, heat, and wave motion. Phys 1111K and Phys 1112K meet the science requirement for the B.A., the B.B.A., and the B. S. in Education degrees, and the physics requirement for students in the biological and life sciences. Designed primarily as a terminal sequence. Most natural science majors should enroll in Phys 2211K and Phys 2212K.

**PHYS 1112K INTRODUCTION TO PHYSICS II 4.0**

Introduction to Physics II. Three lecture and two laboratory hours a week. Electricity, light, modern physics. Phys 1111K and Phys 1112K meet the science requirement for the B.A., the B.B.A., and the B.S. in Education degrees, and the physics requirement for students in the biological and life sciences. Most natural science majors should enroll in Phys 2211K and Phys 2212K.

**PHYS 2010K CONCEPTS OF PHYSICAL SCIENCE 3.0**

Concepts of Physical Science. Two lecture and two laboratory hours a week. Not accepted as a part of the requirements for a major or allied field in physics. Examination of basic physical concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, and energy. Laboratory exercises are integrated into the scheduled class periods to emphasize an experimental approach to learning. The course also includes examples of computer based instruction in the classroom. Focusing on the needs of early childhood educators.

**PHYS 2030K PHSC: PHYSICS OF MUSIC & SPEECH 3.0**

Physical Science: Physics of Music and Speech. Two lecture and two laboratory hours a week. No science background required. Not accepted as a part of the requirements for a major or an allied field in physics. Physical characteristics of musical sound; applications to musical tones, scales, harmony, and acoustics; problems of recording, amplifying, transmitting, and reproducing sound.

**PHYS 2211K PRINCIPLES OF PHYSICS I 4.0**

Principles of Physics I. Prerequisite: Math 2211 with grade of D or higher. Three lecture and three laboratory hours a week. Mechanics, Heat, and Waves. Phys 2211K Phys 2212K is the beginning sequence for students majoring in physics, chemistry, or geology. It is recommended for mathematics majors and other students with the necessary mathematical background. No credit if the Phys 1111K 1112K sequence is taken.

**PHYS 2212K PRINCIPLES OF PHYSICS II 4.0**

Principles of Physics II. Prerequisites: Math 2212 and Phys 2211K with grades of D or higher. Three lecture and three laboratory hours a week. Electricity and magnetism, light, modern physics. Phys 2211K 2212K is the beginning sequence for students majoring in physics, chemistry, or computer science. It is recommended for mathematics majors and other students with the necessary mathematical background. No credit if the Phys 1111K Phys 1112K sequence is taken.

**PHYS 2940 DIRECTED LAB INVESTIGATIONS 1.0 to 2.0**

Directed Laboratory Investigations. Prerequisite: consent of the department. Directed laboratory investigation in physics involving the development of experimental skills required for advanced study in physics or a related science. May be repeated for no more than two hours total credit.

**PHYS 3010K CONCEPTS OF PHYSICAL SCIENCE 3.0**

Concepts of Physical Science. Two lecture and two laboratory hours a week. Not accepted as a part of the requirements for a major or allied field in physics. Examination of basic physical concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, and energy. Laboratory exercises are integrated into the scheduled class periods to emphasize an experimental approach to learning. The course also includes examples of computer based instruction in the classroom.

**PHYS 3150 ADVANCED GENERAL PHYSICS 3.0**

Advanced General Physics. Prerequisites: a noncalculus elementary physics sequence such as Phys 1111K and 1112K; Math 2212 with grades of D or higher, or equivalent. Three lecture hours a week. Not acceptable for credit for students who have had Phys 2211K/2212K. Designed to prepare the student who has completed a noncalculus level elementary physics sequence for more advanced physics courses. The utilization of calculus in solving problems in classical physics is stressed.

**PHYS 3401 MODERN PHYSICS I 4.0**

Modern Physics I. Prerequisites: Phys 2211K and 2212K with grade of D or higher. Four lecture hours a week. Special relativity, quantum optics, wave and particle duality, Bohr theory, Shroedinger's quantum mechanics, oneelectron atom, spin, and angular momentum.

**PHYS 3402 MODERN PHYSICS II 3.0**

Modern Physics II. Prerequisite: Phys 3401 with grade of D or higher. Three lecture hours a week. Atomic spectra, Xray spectra, nuclear structure, nuclear reactions, elementary particles, molecular spectra and structure, solidstate physics.

**PHYS 3500 ELECTRONICS 3.0**

Electronics. Prerequisite: Phys 2212K or Phys 1112K with grade of D or higher. Two lecture and four laboratory hours a week. Fundamentals of analog and digital circuit design; discrete and integrated circuit devices; electronic instrumentation.

**PHYS 3800 OPTICS 3.0**

Optics. Prerequisite: Phys 2212K with grade of D or higher. Three lecture hours a week. Fundamentals and applications of optics: diffraction, interference, lasers, fiber optics, and applications of optical instrumentation.

**PHYS 3850 STATISTICAL & THERMAL PHYSICS 3.0**

Statistical and Thermal Physics. Prerequisites: Phys 2212K and Math 2215 with grades of D or higher. Three lecture hours a week. Physical statistics, quantum states and degeneracy, statistical definition of entropy, development of thermodynamics; applications to gases, radiation, and solids.

**PHYS 3900 LAB COURSE IN OPTICS 1.0**

Laboratory Course in Optics. Prerequisite: consent of instructor. One threehour combined lecture and laboratory period a week. Geometrical optics, simple optical instruments, interference, diffraction, polarization, atomic spectra. Experiments done with visible light, microwaves, and lasers.

**PHYS 3901 MODERN PHYSICS LAB I 1.0**

Modern Physics Laboratory I. Corequisite: Phys 3401. Three laboratory hours a week. Experiments in physical optics, spectroscopy, and atomic physics.



**PHYS 3902 MODERN PHYSICS LAB II 1.0**

Modern Physics Laboratory II. Corequisite: Phys 3402. Three laboratory hours a week. Experiments in atomic, nuclear, and solidstate physics.

**PHYS 4010 APPLIED OPTICS LAB 1.0**

Applied Optics Laboratory. Prerequisite: consent of instructor. Three laboratory hours a week.

**PHYS 4020 ELECTRICAL MEASUREMENTS LAB 1.0**

Electrical Measurements Laboratory. Prerequisite: consent of instructor. Three laboratory hours a week.

**PHYS 4030 DIGITAL INSTRUMENTATION LAB 1.0**

Digital Instrumentation Laboratory. Prerequisite: consent of instructor. Three laboratory hours a week.

**PHYS 4040 MICROPROCESSOR LAB 1.0**

Microprocessor Laboratory. Prerequisite: consent of instructor. Three laboratory hours a week.

**PHYS 4050 PHYSICAL COMPUTATIONS LAB 1.0**

Physical Computations Laboratory. Prerequisite: consent of instructor. Three laboratory hours a week.

**PHYS 4060 ACOUSTICS LABORATORY 1.0**

Acoustics Laboratory. Prerequisite: consent of instructor. Three laboratory hours a week.

**PHYS 4110 EMBEDDED SYSTEMS 4.0**

Introduction to Embedded Systems Laboratory. Prerequisite: Phys 3500 or CSc 3210 with grade of D or higher, or equivalent course work with consent of instructor. (Same as CSc 4110.) Four lecture hours per week. Topics taken from: review of basic logic functions; automatic systems; microprocessor based systems and applications; embedded system software survey; digital communications; and embedded systems programming.

**PHYS 4180 NEUROBIOLOGY LABORATORY 4.0**

Neurobiology Laboratory. Prerequisites: Biol 4102 with grade of C or higher or equivalent and consent of instructor. This course will introduce students to computational neuroscience, including computational models of single neurons and synapses, neuronal networks, and behavior. Students will learn to use Matlab, AnimatLab, and Content to test published models, to build and test their own models, to analyze data, and to present their results. During each section of the course, students will develop a project that will accumulate across sections. Presentations will occur at the end of each section.

**PHYS 4391 INTRO TO DIFFERENTIAL GEOMETRY 3.0**

Introduction to Differential Geometry and Its Applications. Prerequisite: Math 2215 with grade of C or higher. (Same as Math 4391.) Three lecture hours a week. The theory of curves and surfaces in parametric and implicit form. Curvature and torsion of a curve; the shape operator and the total and mean curvature of a surface. The GaussWeingarten equation; the Egregium Theorem; surfaces of constant curvature and nonEuclidean geometry; minimal surfaces; the Gauss Bonnet Theorem; submanifolds in Euclidian spaces, vector fields, differential forms, and the theorems of Frobenius and Stokes. Application to Physics.

**PHYS 4410 INTRO TO NUCLEAR/PARTICLE PHYS 3.0**

Introduction to Nuclear and Particle Physics. Prerequisite: Introductory quantum mechanics at a level of Phys 3402 or higher with grade of D or higher. Three lecture hours a week. Properties of nuclei; nuclear models; nuclear reactions and radioactive decay processes; properties of elementary particles, their symmetries and interactions; standard model of elementary particles.

**PHYS 4510 MATHEMATICS OF PHYSICS I 3.0**

Mathematics of Physics I. Prerequisite: Math 2215 with grade of C or higher. (Same as Math 4258.) Three lecture hours a week. Algebra of vectors, vector calculus, divergence, gradient, curl, line integrals, surface integrals, divergence theorem of Gauss, Stokes's theorem, conservative fields, orthogonal curvilinear coordinates, matrices, and Eigen value problems.

**PHYS 4520 MATHEMATICS OF PHYSICS II 3.0**

Mathematics of Physics II. Prerequisite: Math 3260 with grade of C or higher. (Same as Math 4265.) Three lecture hours a week. Derivation and solution of partial differential equations of physics, wave equation, LaPlace's equation, Schroedinger's equation, special functions of mathematical physics, Fourier series, SturmLiouville system, complex analysis, and integration.

**PHYS 4600 CLASSICAL MECHANICS 4.0**

Classical Mechanics. Prerequisites: Phys 2212K and Math 3260 with grades of D or higher, or equivalent, or consent of instructor. Four lecture hours a week. Vector algebra, Newton's laws, conservation laws, many body systems, motion in central fields, small oscillations, motion in electromagnetic fields, rotation of rigid bodies, Lagrangian equations, Hamilton's principle, and virtual work.

**PHYS 4700 ELECTRICITY AND MAGNETISM 4.0**

Electricity and Magnetism. Prerequisites: Phys 2211K, Phys 2212K, and Math 2215 with grades of D or higher. Four lecture hours a week. Electrostatics, steady currents, magnetic fields, magnetic induction, AC circuits, dielectrics, magnetic properties of matter, Maxwell's equations, and wave propagation.

**PHYS 4810 INTRO TO QUANTUM MECHANICS 3.0**

Introduction to Quantum Mechanics. Prerequisites: Phys 3401 and Math 3260 with grades of D or higher, or consent of instructor. Three lecture hours a week. Schroedinger's theory of quantum mechanics; solutions of Schroedinger's equation; perturbation theory; oneelectron atoms; magnetic moments, spin, and relativistic effects; identical particles; multielectron atoms.

**PHYS 4910 SOLID STATE PHYSICS 3.0**

Solid State Physics. Prerequisites: Phys 3401 and 3402 with grades of D or higher, or equivalent or consent of instructor. Three lecture hours a week. Atoms in crystals (crystal structure); waves in crystals; crystal binding, lattice constants; lattice vibrations and other thermal properties of solids, free electrons in crystals, energy bands, and semiconductors.

**PHYS 4920 ELEMENTARY SCIENCE ED PARTNERS 1.0**

Elementary Science Education Partners. Prerequisites: junior or senior majoring in natural science and consent of the ESEP coordinator. Demonstrating handson science in the public elementary school classroom. May be repeated for a maximum of four hours.

**PHYS 4950 SENIOR RESEARCH 1.0 to 3.0**

Senior Research. Prerequisites: Phys 3401 and Phys 3402 with grades of D or higher, and senior standing. Training in the techniques of basic research in physics and application of these techniques to research projects of current importance. May be repeated for a maximum of three credit hours.

**POLS = POLITICAL SCIENCE****POLS 1101 AMERICAN GOVERNMENT 3.0**

Introduction to American Government. American system of government covering the institutions and ideals basic to the American experience and the process by which the public participates in and is governed by these institutions and ideals.

**POLS 2101 INTRO TO POLITICAL SCIENCE 3.0**

Introduction to Political Science. A survey of the fundamental questions in the study of political science.

**POLS 2401 GLOBAL ISSUES 3.0**

Global Issues. An introduction to international relations focusing on contemporary issues in world politics such as conflict and cooperation, business and trade, population, environment, and human rights.

**POLS 3110 STATE GOVERNMENT 3.0**

State Government. Organization, powers, functions, and political processes at the state level in the United States.

**POLS 3140 JUDICIAL PROCESS & COURTS 3.0**

Judicial Process and Courts. Social and political context of judicial decisions with emphasis on Supreme Court decisionmaking. Relates law to public policy.

**POLS 3145 INTRO TO AMERICAN LAW 3.0**

Introduction to American Law. Substance of law as a component of public policy and the political system; emphasis on the elements and rationale of private law.

**POLS 3150 AMER POL PARTIES/INTEREST GRPS 3.0**

American Political Parties and Interest Groups. The nature and role of political parties and interest groups in the American political system.

**POLS 3170 AMERICAN LEGISLATIVE PROCESS 3.0**

American Legislative Process. The role of Congress and state legislatures in policy making. Special emphasis on legislative organization, procedure, and legislative structure including the speakership, parties, staff, and committees.

**POLS 3171 CONGRESSIONAL SIMULATION 3.0**

Congressional Simulation. Recommended prerequisite: PolS 3170. This simulation provides students with an opportunity to experience how a legislative body makes decisions about policy. Students gain insight into the legislative process by actively participating in it. In the course of the simulation, students will be faced with the kinds of choices that professional legislators must make daily, such as deciding which bills of many bills to support and negotiating between the pressures put on them from disparate sources, such as party and constituency. Students will take away from the class knowledge about both the legislative process and the substantive policy areas the mock legislature takes up, as well as enhanced negotiating skills.

**POLS 3200 COMPARATIVE POLITICS 3.0**

Comparative Politics. Comparative analysis of major political systems.

**POLS 3400 INTERNATIONAL POLITICS 3.0**

International Politics. Concepts and theories of international politics. Covers the evolution of the contemporary international system and conflict and cooperation among nationstates.

**POLS 3450 U.S. FOREIGN POLICY 3.0**

United States Foreign Policy. Analysis of U.S. foreign policy patterns and decision making since World War II. Examines contending explanations of policy making and the evolving role of the United States in world affairs.

**POLS 3490 STUDSFOREIGN POL/INTERNTL POL 3.0**

Studies in Foreign Policy and International Politics. Prerequisite (recommended): PolS 3400 or 3450. Selected topics in foreign policy and international politics. May be repeated for credit if topic varies.

**POLS 3530 CLASSICAL & EARLY MOD POLT THT 3.0**

Classical and Early Modern Political Thought. (Same as Phil 3530.) A survey of the historical writings in political thought from Plato to Machiavelli. Special emphasis on the contributions these thinkers made to Western conceptions of democracy, equality, human nature, citizenship, etc., as well as the continuing relevance of the texts for explaining contemporary political phenomena.

**POLS 3540 MODERN POLITICAL THOUGHT 3.0**

Modern Political Thought. (Same as Phil 3540.) A survey of the historical writings in political thought from Hobbes to Marx. Special emphasis on the contributions these thinkers made to Western conceptions of democracy, equality, human nature, citizenship, etc., as well as the continuing relevance of the texts for explaining contemporary political phenomena.

**POLS 3550 MODERN POLITICAL IDEOLOGIES 3.0**

Modern Political Ideologies. Major political ideologies of our times; democracy, capitalism, socialism, communism, elitism, and nationalism. Readings from original sources, both western and nonwestern.

**POLS 3700 PUBLIC ADMIN/BUREAUCRATIC POLI 3.0**

Public Administration and Bureaucratic Politics. (Same as PAUS 3801.) Bureaucratic politics and behavior in the political process. The role of administrators in policy making and implementation, agency strategies, relations with other executive agencies and with the legislature, the president, the judiciary and clientele groups.

**POLS 3750 PUBLIC POLICY ANALYSIS 3.0**

Public Policy Analysis. Effectiveness, alternatives, and politics of governmental policies concerning areas such as social welfare, environment, education, business regulation, and defense.

**POLS 3770 GOVERNMENTAL BUDGETING 3.0**

Governmental Budgeting. (Same as PAUS 3831.) Fiscal planning and management in the administrative process, budgetary theory, and the budget process.

**POLS 3800 INTRO TO POLITICAL RESEARCH 3.0**

Introduction to Political Research. Research techniques in political science including data collection, analysis, and interpretation.

**POLS 4115 URBAN POLITICS 3.0**

Urban Politics. Impact of urban society on the structure and function of county and municipal governments. Text and reading from recent studies in community power structure and decision making, concerned with metropolitan growth, federallocal relations, and political process and problems in urban communities.

**POLS 4120 SOUTHERN POLITICS 3.0**

Southern Politics. The development of Southern political institutions and practices, including the role that Southern political figures have played in national politics and similarities and differences between Southern political behavior and national political behavior.

**POLS 4125 GEORGIA POLITICS & GOVERNMENT 3.0**

Georgia Politics and Government. An examination of state and local government in the state of Georgia.

**POLS 4130 AMERICAN CONSTITUTIONAL LAW 3.0**

American Constitutional Law. Development of U.S. constitutional system and fundamental principles of constitutional interpretation. Includes the courts and judicial review, authority of Congress in fields of commerce and taxation, authority of the president and federalstate relations.

**POLS 4131 CIVIL LIBERTIES & RIGHTS 3.0**

Civil Liberties and Rights. Supreme Court's interpretation of the Bill of Rights and Fourteenth Amendment. Areas covered include

administration of justice, freedom of expression and religion, and equal protection of racial, sexual, political and economic groups.

**POLS 4155 VOTING AND ELECTIONS 3.0**

Voting and Elections. Political, institutional, social, and psychological factors involved in individual and group electoral decisions. Emphasis placed on the role of campaigns and candidate strategy in shaping voting decisions.

**POLS 4157 POLIT OF CIVIL RIGHTS MOVEMENT 3.0**

Politics of the Civil Rights Movement. (Same as AAS 4180.) Examination of the underpinnings, leadership, political strategies, and policies of the modern civil rights movement.

**POLS 4158 CAMPAIGN ORGANIZATION 3.0**

Campaign Organization and Management. A broad introduction to electoral campaign research, organization, and management.

**POLS 4160 POL ATTITUDES & PUBLIC OPINION 3.0**

Political Attitudes and Public Opinion. Concept and measurement of political attitudes, acquisition of attitudes, the role of attitudes in political behavior, and the relation of elites and publics in the formation of public opinion.

**POLS 4162 POLITICS AND COMMUNICATION 3.0**

Politics and Communication. An analysis of how political communications affect our relationships with political actors and processes.

**POLS 4165 AFRICANAMERICAN POLITICS 3.0**

AfricanAmerican Politics. (Same as AAS 4160.) Analysis of the ideology, public opinions, and political behavior of AfricanAmericans. AfricanAmerican impact on the electoral system.

**POLS 4167 WOMEN AND POLITICS 3.0**

Women and Politics. Analysis of the interaction between gender roles and the political system, with emphasis on political socialization, participation, recruitment, and policy making.

**POLS 4180 AMERICAN CHIEF EXECUTIVES 3.0**

American Chief Executives. Constitutional powers and the political role of the American president with a comparative examination of the function of state governors.

**POLS 4185 POLITICAL LEADERSHIP 3.0**

Political Leadership. Examines the scope and theory of political leadership at the local, state, and national governments.

**POLS 4190 STUDIES IN AMERICAN POLITICS 3.0**

Studies in American Politics. Intensive treatment of current topics in American politics and government. May be repeated if topic varies.

**POLS 4205 COMPARATIVE DEMOCRATIZATION 3.0**

Comparative Democratization. Theories and problems of emerging and transitional democracies around the world.

**POLS 4210 POLITICS OF DEVELOPING NATIONS 3.0**

Politics of Developing Countries. Prerequisite (recommended): PolS 3200. Examines rapid political, social, and economic change in developing countries.

**POLS 4215 POLITICS OF PEACE 3.0**

Politics of Peace. Explores the challenges of building stable political systems in the wake of civil war, using cases drawn from all regions of the world.

**POLS 4220 COMPR LEGAL SYSTEMS & POLITICS 3.0**

Comparative Legal Systems and Politics. Survey of three major legal systems: AngloAmerican adversarialprecedent systems;

Napoleonicinquisitorialcode systems used in the majority of countries; and customary legal approaches in traditional societies. Analyzes problems of judicial independence, legal professionalism, and accountability of constitutional development in new democracies in the developing world, as well as problems of developed legal systems in Japan and the West.

**POLS 4223 COMPARATIVE ELECTORAL SYSTEMS 3.0**

Comparative Electoral Systems. Examines different election systems used in various democracies. Advantages and disadvantages of particular election systems.

**POLS 4225 POLITICAL NEGOTIATION 3.0**

Political Negotiation. Examines negotiation and conflict resolution as central elements of the political process, whether in international diplomacy, collective bargaining in labor disputes, post election formation of governments in parliamentary democracies, or administrative budgeting.

**POLS 4228 COMP PARTY SYSTEM DEVELOPMENT 3.0**

Comparative Party System Development. Drawing on both theoretical literature and empirical research, this course provides an introduction to the comparative study of party system development in democratic political systems. The course explores the experiences of newly democratized countries as well as that of established democracies. Insights will be drawn from Europe, Africa, Asia, the United States, and Latin America.

**POLS 4230 AFRICAN POLITICS 3.0**

African Politics. Prerequisite (recommended): PolS 3200. Addresses the politics of SubSaharan Africa, including major issues of political, economic, and social analysis.

**POLS 4240 EUROPEAN POLITICS 3.0**

European Politics. Prerequisite (recommended): PolS 3200. The politics and government of Europe. Comparative study of institutions, issues, and social forces, including the impact of integration on the politics of the nationstate.

**POLS 4242 EUROPEAN UNION 3.0**

European Union: Politics, Economy, and Foreign Policy. Broad overview of developments in the European Union since the early 1950s. Key issues, such as monetary union and development of common foreign policy, are explored. Institutional actors, including the European Parliament, European Commission, Council of Ministers, and Court of Justice are compared.

**POLS 4245 POLITICS OF RUSSIA/EAST EUROPE 3.0**

The Politics of Russia and Eastern Europe. Prerequisite (recommended): PolS 3200 or 3400. Political, economic, and social variables explaining change and the current political structures in the region.

**POLS 4250 LATIN AMERICAN POLITICS 3.0**

Latin American Politics. Prerequisite (recommended): PolS 3200. Political, historical, economic, and cultural explanations of political change in Latin America. Compares twentieth century democratic, authoritarian, and revolutionary regimes.

**POLS 4255 POLITICAL ECONOMY OF EAST ASIA 3.0**

Politics and Political Economy of East Asia. Examines the key political institutions, economic structures, and socioeconomic policies of Japan, Korea, Taiwan, Singapore, and Hong Kong.

**POLS 4256 POLITICAL ECONOMY OF JAPAN 3.0**

Politics and Political Economy of Japan. Explores the politics and political economy of contemporary Japan. Topics include: the evolution and nature of Japanese democracy, the functioning of the political economy, the "Japanese miracle" economy of the early postwar period and economic decline in recent years, protest and social movements in Japan, and Japan's role in Asia.

**POLS 4258 GOV'T & POLITICS OF SOUTH ASIA 3.0**

Government and Politics of South Asia. Examines the societies and politics of South Asia, with specific reference to India and Pakistan since independence from Britain in 1947.

**POLS 4260 POL OF MIDDLE EAST/NOR. AFRICA 3.0**

Politics of the Middle East and North Africa. Prerequisite (recommended): PolS 3200. (Same as MES 4210.) Politics and culture of the region. Contemporary issues including: the region's relations with the West, regional conflict, and the increasing role of religious movements in politics.

**POLS 4270 COMPARATIVE POLITICAL ECONOMY 3.0**

Comparative Political Economy. Examination of the theoretical and substantive relationships between politics and economics.

**POLS 4285 POL & RELIGN IN COMPAR PERSPECT 3.0**

Politics and Religion in Comparative Perspective. Prerequisite (recommended): PolS 3200 or 3400. (Same as MES 4220.) Role of religious beliefs and institutions on political behavior.

**POLS 4290 STUDIES IN COMPARATIV POLITICS 3.0**

Studies in Comparative Politics. Prerequisite (recommended): PolS 3200. Topics may include the government and politics of selected countries and regions of the world or themes in comparative political analysis. May be repeated for credit if topic varies.

**POLS 4420 INTERNATIONAL LAW 3.0**

International Law. Analysis of origin, principles, enforcement, and adjudication of international law.

**POLS 4421 INTERNATIONAL ORGANIZATIONS 3.0**

International Organizations. Prerequisite (recommended): PolS 3400 or 3450. Analysis of the formation, role, process, and politics of international organizations, such as the United Nations, and mechanisms of international cooperation.

**POLS 4422 NGOS AND WORLD POLITICS 3.0**

NGOs and World Politics. Survey of current literature on nongovernmental organizations (NGOs) and global civil society and exploration of the various roles NGOs play in a variety of policy areas including the environment, human rights, international development, trade, humanitarian crises, women's issues, and security.

**POLS 4425 POL OF INTRNL CRIMINAL JUSTICE 3.0**

Politics of International Criminal Justice. Politics of international crimes, such as drugs and other contraband, fissile materials, Internet fraud, and war crimes, as well as the national and transnational conspiracies and organizations that commit or control these crimes.

**POLS 4427 POL OF INTERNATNL HUMAN RIGHTS 3.0**

Politics of International Human Rights. Analysis of international human rights issues and institutions at the multilateral, regional, and domestic levels. Attention to foreign policy, gender, minorities, disappearances, and genocide in various regions.

**POLS 4430 INTERNATIONAL POLITICAL ECONOMY 3.0**

International Political Economy. Prerequisite (recommended): PolS 3400. Analyzes the politics of international economic relations.

**POLS 4435 STDY IN INTRNTL POLITICAL ECON 3.0**

Studies in International Political Economy. Prerequisite (recommended): PolS 3400. Topics may include international trade, monetary and financial relations, multinational corporations, and northsouth relations among others. May be repeated for credit if topic varies.

**POLS 4450 FOREIGN POLICY DECISION MAKING 3.0**

Foreign Policy Decision Making. Prerequisite (recommended): PolS 3400 or 3450. Analysis of theories and processes of foreign policy decision making.

**POLS 4460 U.S. NATIONAL SECURITY POLICY 3.0**

U S National Security Policy. Prerequisite (recommended): PolS 3400. Major issues in U.S. national security policy.

**POLS 4470 CAUSES OF WAR 3.0**

Causes of War. Prerequisite : PolS 3400 or 3450. Conditions affecting the prospects for war and conflict within and between nationstates.

**POLS 4471 THE WAR OF CIVILIZATIONS 3.0**

The War of Civilizations. An evaluation of the new paradigm of international conflict and war among civilizations, advanced by Samuel Huntington, instead of the orthodox Westphalian/Clausewitzian view of the conflicts among states.

**POLS 4490 STUDIES IN INTERNATL RELATIONS 3.0**

Studies in International Relations. Intensive treatment of a topic in International Relations. May be taken more than once if topic varies.

**POLS 4510 FEMINIST POLITICAL THEORY 3.0**

Feminist Political Theory. The treatment of women in Western political thought. Various strands of feminist thinking: liberal, Marxist, socialist, radical, and postmodern.

**POLS 4520 THEORIES ON DEMOCRACY 3.0**

Theories on Democracy. This course examines democracy's theoretical foundation, looking both at contemporary and classical texts.

**POLS 4530 THEORIES OF NATIONALISM 3.0**

Theories of Nationalism. Review of well-established theories of the nation. Consideration of how the nation is constructed through political structures, changes in economic structure, cultural practices, and "invented memories" about it.

**POLS 4540 POL THEORY/ECONOMIC JUSTICE 3.0**

The Political Theory of Economic Justice. Focuses on the proper role of government in the economy. Readings from both classical and contemporary sources about laissezfaire, mixed economy, and democratic socialism.

**POLS 4550 LIBERALISM AND ITS CRITICS 3.0**

Liberalism and Its Critics. A look at the theoretical foundations of America's most prominent public philosophy: liberalism. Reviews the work of nineteenth and twentieth-century British, French, and American theorists.

**POLS 4555 CONTEMP POLITICAL PHILOSOPHY 3.0**

Contemporary Political Philosophy. This course examines contemporary thinking in political philosophy. Particular emphasis is placed on debates within the discipline over matters such as the ethics of war, abortion, civil rights, income distribution, judicial interpretation and homelessness.

**POLS 4560 AFRICANAMER POLITICAL THOUGHT 3.0**

AfricanAmerican Political Thought. (Same as AAS 4120.) Examination and critical analysis of AfricanAmerican political and social ideas.

**POLS 4570 AMERICAN POLITICAL THOUGHT 3.0**

American Political Thought. Readings in the development of political ideas underlying American political institutions.



**POLS 4585 POL THEORY: RACE, CLASS, GENDER 3.0**

Theorizing the Politics of Race, Class and Gender. Political questions concerning race, gender and class inequalities affect almost every political system in the contemporary world. The course will examine theories on the social construction of race and gender, postcolonial theory, and revisions to classic Marxist theories of social class.

**POLS 4590 STUDIES IN WESTERN POL THEORY 3.0**

Studies in Western Political Theory. Analysis of a particular concept or period in political theory. May be repeated for credit if topic varies.

**POLS 4720 ENVIRONMENTAL POLITICS 3.0**

Environmental Politics. Ozone and energy policies, endangered species, air and water pollution, business and environmental interest groups, rain forests, parks. U.S. and international coverage.

**POLS 4770 POLITICS OF US SOCIAL WELFARE 3.0**

The Politics of Social Welfare in the United States. Analysis of the various social welfare policies of the government and the political foundations underlying these policies.

**POLS 4780 ADMINISTRATIVE LAW & GOVERNMENT 3.0**

Administrative Law and Government. Legal elements of the public administration environment, including the law in books and in action, regulatory activities, freedom of information, right to privacy, and legal control of administrative discretion.

**POLS 4790 STUDIES IN PUBLIC POLICY 3.0**

Studies in Public Policy. Intensive treatment of current topics in public policy. May be repeated for credit if topic varies.

**POLS 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**POLS 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: PolS 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**POLS 4920 DIRECTED READING & RESEARCH 1.0 to 3.0**

Directed Reading & Research. Special directed research. Paper required. By arrangement at student request, as approved by the department. May be repeated for credit.

**POLS 4930 LEGISLATIVE INTERNSHIPS 3.0 to 9.0**

Legislative Internships. Prerequisite: consent of instructor. Program to combine academic training with professional experience through legislative internships. Paper required.

**POLS 4940 INTERNSHIPS 1.0 to 9.0**

Internships. Program to combine academic training with professional experience through shortterm internships.

**POLS 4950 PRACTICUM IN POLITICAL SCIENCE 2.0**

Practicum in Political Science. Prerequisite: consent of instructor. An exercise in a governmental or political process and/or institution. May be repeated for credit.

**POLS 4951 MODEL UNITED NATIONS 3.0**

Model United Nations. Prerequisite: consent of instructor. An exercise in modeling the process and politics of the United Nations. May be repeated for credit.

**POLS 4952 MODEL ARAB LEAGUE 2.0**

Model Arab League. Prerequisite: consent of instructor. (Same as MES

4230.) An exercise in modeling the process and politics of the Arab League. May be repeated for credit.

**POLS 4955 MOCK TRIAL 2.0**

Mock Trial. Prerequisite: consent of instructor. An exercise in modeling the process, analytical reasoning and theory of litigation. May be repeated for credit.

**PORT = PORTUGUESE****PORT 1001 ELEMENTARY PORTUGUESE I 3.0**

Elementary Portuguese I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Portuguese.

**PORT 1002 ELEMENTARY PORTUGUESE II 3.0**

Elementary Portuguese II. Prerequisite: Port 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Portuguese.

**PORT 2001 INTERMEDIATE PORTUGUESE I 3.0**

Intermediate Portuguese I. Prerequisite: Port 1002 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Portuguese.

**PORT 2002 INTERMEDIATE PORTUGUESE II 3.0**

Intermediate Portuguese II. Prerequisite: Port 2001 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Portuguese.

**PRSN = PERSIAN****PRSN 1001 ELEMENTARY PERSIAN I 3.0**

Elementary Persian I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Persian.

**PRSN 1002 ELEMENTARY PERSIAN II 3.0**

Elementary Persian II. Prerequisite: Prsn 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Persian.

**PRSN 2001 INTERMEDIATE PERSIAN I 3.0**

Intermediate Persian I. Prerequisite: Prsn 1002 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Persian.

**PRSN 2002 INTERMEDIATE PERSIAN II 3.0**

Intermediate Persian II. Prerequisite: Prsn 2001 with grade of C or higher, or equivalent. Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Persian.

**PRT = PRINTMAKING****PRT 3000 INTRODUCTION TO PRINTMAKING 4.0**

Introduction to Printmaking. Prerequisites: Art 1010, 1030, and one



1000level art history course with grades of C or higher. Basic printmaking processes including intaglio (etching), relief (linocut), and monoprint.

**PRT 3150 INTAGLIO/ETCHING & LITHOGRAPHY 4.0**

Intaglio/Etching and Lithography. Prerequisite: one PRT 3000level course with grade of C or higher, or consent of instructor. Traditional and experimental processes including etching, aquatint, and drypoint. Lithographic printing directly from prehistoric limestone slabs.

**PRT 3250 SCREEN PRINT & EXPERIMENTAL PRINTMAKING 4.0**

Screen Print and Experimental Printmaking. Prerequisite: one PRT 3000level course with grade of C or higher, or consent of instructor. Screen printing (serigraphy) with emphasis on photo processes, related computer skills, and painterly effects. Experimental printmaking techniques including monoprinting from wood, hand coloring, and other mixedmedia applications.

**PRT 3350 MONOPRINTING 3.0**

Monoprinting. Prerequisites: Art 1020, 1030, 1040, and two 1000level art history courses with grades of C or higher. Monotype and monoprinting techniques including additive, subtractive, viscosity, stencil, photographic transfer, and multiple plate printing.

**PRT 3450 APPLIED PAPERMAKING 3.0**

Applied Papermaking. Prerequisites: Art 1020, 1030, 1040, and two 1000level art history courses with grades of C or higher. Traditional and contemporary processes in the formation of paper utilizing cotton, abaca, and kozo fibers. Within the course, mixed media, drawing, painting, and basic printmaking techniques will be utilized to create images on custom handmade papers.

**PRT 3550 BOOK ARTS 3.0**

Book Arts. Prerequisites: Art 1020, 1030, 1040, and two 1000level art history courses with grades of C or higher. Traditional Eastern and Western book structures, investigation of the book as an art form. Rudimentary papermaking, photographic transfer, and intaglio (line etching) skills.

**PRT 4000 SELECTED TOPICS IN PRINTMAKING 4.0**

Selected Topics in Printmaking. Prerequisite: consent of instructor. Special Topics for studio art majors. May be repeated for a maximum of 8 credit hours.

**PRT 4500 DIRECTED STUDY IN PRINTMAKING 4.0**

Directed Study in Printmaking. Prerequisite: consent of instructor. Individual studio problems for advanced students. May be repeated for a maximum of twelve credit hours.

**PRT 4910 HISTORY OF THE PRINT 3.0**

History of the Print. Historical survey of printmaking including monoprint, intaglio (etching), relief (woodcut), screen print, and lithography.

**PRT 4940 PORTFOLIO I 3.0**

Portfolio I. Prerequisites: PRT 4500 with grade of C or higher and consent of instructor. Seniorexperiences for B.F.A. candidates. Committee review.

**PRT 4950 PORTFOLIO II 3.0**

Portfolio II. Prerequisite: PRT 4940 with grade of C or higher, or concurrently. Culminating studio experiences for B.F.A. degree candidates. Committee review.

**PRT 4980 SPECIAL PROBLEMS 3.0**

Special Problems. Prerequisites: consent of instructor and school director. Independent studies initiated by the student. May be repeated for a maximum of six credit hours.

## PSYC = PSYCHOLOGY

**PSYC 1100 NATURAL SCIENCE ASPECTS OF PSY 3.0**

Natural Science Aspects of Psychology. Explores the relationships of physiology and environment with behavior and mental processes. Emphasizes the experimental, empirical analysis of the factors that control behavior. The physiological and genetic makeup of the organism is explored in relation to sensory experiences, behavior, and mental processes. Modifications by evolution, development, and experience are discussed. Goes beyond basic mechanisms to highlevel cognitive, linguistic, and social processes. Research involving both animals and man is included.

**PSYC 1101 INTRO TO GENERAL PSYCHOLOGY 3.0**

Introduction to General Psychology. A broad survey of the major topics in psychology including, but not limited to, research methodology, biological and social factors influencing abnormal behavior, development, learning, memory, and personality.

**PSYC 2040 INTRO TO APPLIED PSYCHOLOGY 3.0**

Introduction to Applied Psychology. The goal of this course is to provide an overview of the major areas of applied psychology. How psychology has been applied toward improving individual wellbeing (e.g., clinical/counseling psychology), toward improving human performance (e.g., industrial/organizational psychology), and in the public interest (e.g., community psychology).

**PSYC 2050 INTRO TO DRUGS & BEHAVIOR 3.0**

Introduction to Drugs and Behavior. (Same as Biol 2050.) Provides an introduction to the effects of drugs on behavior. Topics include how drugs affect the brain and, consequently, behavior; the underlying brain and environmental factors thought to be responsible for drug addiction, tolerance and sensitivity; treatment of major psychological disorders (e.g., depression, mania, anxiety) with drug therapy; and the classification of common psychoactive drugs.

**PSYC 2070 INTRO TO HUMAN SEXUALITY 3.0**

Introduction to Human Sexuality. Examination of human sexuality from three perspectives: physiological, clinical, and social. Topics include the neuroendocrine processes in sexual behavior, theories of psychosexual development, and the nature of contemporary sex roles.

**PSYC 2101 INTRO TO THE PSY OF ADJUSTMENT 3.0**

Introduction to the Psychology of Adjustment: A Personal Growth Course. An introductory examination of the applied psychological theory and research concerning mental health and wellbeing.

**PSYC 2103 INTRO TO HUMAN DEVELOPMENT 3.0**

Introduction to Human Development: Individual and Family Issues. An introductory, nonlaboratorybased examination of human development across the lifespan with an emphasis on normal patterns of physical, cognitive, and social development.

**PSYC 3010 PSYCHOLOGICAL STATISTICS 4.0**

Psychological Statistics. Prerequisite: Math 1070, 1101, 1111, 1113, or 1220 with grade of C or higher, or equivalent. Three lecture and two laboratory hours per week. Introduction to descriptive and inferential statistics as applied to psychological data. Includes measures of central tendency and variability, correlation, regression, confidence intervals, the ttest, the Ftest for one way factorial designs, and Chi Square. Computer software will be used to demonstrate statistical concepts and analyze data.

**PSYC 3030 PRINCIPLES&METHODS/PSY INVESTIGATION 4.0**

Principles and Methods of Psychological Investigation. Prerequisite: Psyc 3010 with grade of C or higher, or equivalent. Three lecture and two laboratory hours a week. Rationale for the acquisition

of data, interpretation of findings, and presentation of results in psychology investigations. Includes specifications of concepts, measurement techniques, treatment of data, principles of design (nonexperimental, quasiexperimental, and experimental design). Introduction to laboratory techniques and writing in APA style.

**PSYC 3110 PSY OF INTERPERSONAL BEHAVIOR 3.0**

Psychology of Interpersonal Behavior. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Conceptual and practical aspects of effective and ineffective interpersonal behaviors and communication. Practice in the development of effective interpersonal behaviors.

**PSYC 3140 ABNORMAL PSYCHOLOGY 3.0**

Abnormal Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. An examination of the defining characteristics, causes, and treatments of abnormal or maladaptive behaviors and psychopathology.

**PSYC 3450 HEALTH PSYCHOLOGY 3.0**

Health Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Emotional, social, and behavioral aspects of wellness, illness, disability, and death. The underlying biopsychological basis of these topics will be studied as well as the relevant intervention methodologies.

**PSYC 3520 INTRO TO AFRICANAMERICAN PSYC 3.0**

Introduction to AfricanAmerican Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. (Same as AAS 3050.) Examination of theory and research pertaining to AfricanAmericans with emphasis on the Afrocentric perspective.

**PSYC 3560 LEADERSHIP & GROUP DYNAMICS 3.0**

Leadership and Group Dynamics. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Study and application of knowledge, skills, and values relevant to leadership and membership in groups through theory, skill practice sessions, and intensive group discussion.

**PSYC 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**PSYC 4000 LAB EXPERIENCE IN PSYCHOLOGY 1.0**

Laboratory Experience in Psychology. Prerequisites: concurrent or previous enrollment in Psyc 4100 or Psyc 4120, and consent of instructor. One twohour laboratory a week. A laboratory experience that complements the associated lecture course (4100 or 4120) with associated research based activities in the subject matter. May be repeated for up to two hours credit.

**PSYC 4020 SOCIAL PSYCHOLOGY 3.0**

Social Psychology. Prerequisite: Psyc 1101 with grade of D higher, or equivalent. A survey course that covers perception of the self and others; communication and influence; interpersonal attraction and aggression; altruism; group performance and conflict; and cultural differences. Cognitive and biological factors, the importance of social settings, and the interplay between personality and social interaction are emphasized.

**PSYC 4030 CROSS CULTURAL PSYCHOLOGY 3.0**

CrossCultural Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. The influence of culture on human cognition, emotion, and behavior with focus on theory and research in developmental, personalitysocial, health, and organizational psychology.

**PSYC 4040 DEVELOPMENTAL PSYCHOLOGY 3.0**

Developmental Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Current scientific thinking about development, focusing primarily, but not exclusively, on the development of human infants and children. The integration of theoretical, research, and practical orientations is emphasized. Topics include genetics and prenatal development, infancy, language acquisition, and the cognitive and social developments of early and middle childhood.

**PSYC 4100 COGNITIVE PSYCHOLOGY 3.0**

Cognitive Psychology. Prerequisites: Psyc 1101 with grade of D or higher; and Psyc 3010 and Psyc 3030 with grades of C or higher, or equivalents. Describes cognitive phenomena, explains and utilizes research methods in cognitive psychology, discusses theories about the phenomena, and considers assumptions on which the theories and research are based. An associated optional onehour laboratory experience (Psyc 4000) is available.

**PSYC 4110 PHYSIOLOGICAL PSYCHOLOGY 3.0**

Physiological Psychology. Prerequisites: Psyc 1101 with grade of D or higher; and Psyc 3010 and Psyc 3030 with grades of C or higher, or equivalents. Explores the relations between biological and mental processes. Nervous system functions in the control of behavior are emphasized. The anatomy, physiology, and chemistry of the nervous system are reviewed, and the scientific analysis of the relations of these biological processes to psychological phenomena is presented. Evidence from research involving both the physiological manipulation of animal models and the accidental and pathological alterations of humans included.

**PSYC 4116 PRIMATE BEHAVIOR 3.0**

Primate Behavior: Field and Laboratory. Prerequisite: Biol 3840 or Psyc 4110 with grade of C or higher, or equivalent, or consent of instructor. Two lecture and two laboratory hours a week. Nonhuman and human primate origins of cognition, language, mythology, rituals, tool use, nonverbal expressions, symbolism, sexuality, and aggression.

**PSYC 4120 LEARNING 3.0**

Learning. Prerequisites: Psyc 1101 with grade of D or higher; and Psyc 3010 and Psyc 3030 with grades of C or higher, or equivalents. Describes learning phenomena, explains and utilizes research methods in learning, discusses theories of learning, and considers assumptions on which the theories and research are based. An associated optional onehour laboratory experience (Psyc 4000) is available.

**PSYC 4130 SENSATION AND PERCEPTION 3.0**

Sensation and Perception. Prerequisites: Psyc 1101 with grade of D or higher; and Psyc 3010 and Psyc 3030 with grades of C or higher, or equivalents. (Same as Biol 4130.) Experimental analysis of sensory and perceptual processes at both a physiological and a psychophysical level. The five primary sensory systems will be covered: vision, audition, touch, taste, and smell.

**PSYC 4140 INTRO TO PSYCHOPHYSIOLOGY 4.0**

Introduction to Psychophysiology. Prerequisites: Upper division standing, Psyc 3010 and Psyc 3030 with grades of C or higher, or equivalent, and consent of instructor. Three lecture and two laboratory hours a week. A laboratory course on the area of psychology known as psychophysiology. Covers the use of physiological techniques in understanding psychological phenomena (e.g., sensation and perception, memory, language, etc.), the rationale and application of various psychophysiological methodologies including heart rate monitoring, electrodermal activity, the electromyogram (EMG), electroencephalogram (EEG, "brain waves"), eventrelated brain potentials (ERPs), and other types of brain imaging techniques (functional MRI, PET, and

MEG). Demonstrates how these various measures inform scientists about the workings of the brain and peripheral nervous system in producing thinking and behavior.

### **PSYC 4160 THEORIES OF PERSONALITY 3.0**

Theories of Personality. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Includes Freudian psychoanalysis, derivatives of classic psychoanalysis, humanism, existentialism, and behaviorism. Lectures cover contributions of major theorists from each school, key theoretical points from each perspective, critiques of the value of and the limitations of each theory, and comparisons between theoretical ideas.

### **PSYC 4200 PSYCH TESTING & MEASUREMENT 3.0**

Psychological Testing and Measurement. Prerequisites: Psyc 1101 with grade of D or higher, and Psyc 3010 with grade of C or higher, or equivalents. An overview of basic principles and techniques of psychological tests and measurements. Topics may include test construction, interviewing and behavioral assessment, projective and objective approaches to personality assessment, achievement and aptitude tests, and assessing special populations.

### **PSYC 4220 INTRO TO BEHAVIOR MODIFICATION 3.0**

Introduction to Behavior Modification. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Basic principles underlying behavior modification and behavior therapy. Emphasis is placed upon empirical findings.

### **PSYC 4240 PEOPLE IN ORGANIZATIONS 3.0**

People in Organizations. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. The psychology of people as members of larger systems, including work, volunteer, religious and community groups and organizations. Joining, socialization, commitment, satisfaction, leadership, decisionmaking, conflict, accountability, and organizational change.

### **PSYC 4300 ADOLESCENT PSYCHOLOGY 3.0**

Adolescent Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Characteristics and theories of adolescent development.

### **PSYC 4310 CRIME, DELINQUENCY & PSYCHOLOGY 3.0**

Crime, Delinquency, and Psychology. Prerequisite: Psyc 1101 with grade of D or higher. In-depth consideration of psychological approaches to the understanding and correction of criminal and delinquent behavior.

### **PSYC 4400 PSYCHOLOGY OF THE ATYPICAL CHILD 3.0**

Psychology of the Atypical Child. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Problems of children with cognitive, physical, learning, or emotional difficulties or limitations, with emphasis upon diagnostic and corrective approaches.

### **PSYC 4500 CLIN THEORY & PSYCHOPATHOLOGY 3.0**

Clinical Theory and Psychopathology. Prerequisites: Psyc 1101 with grade of D or higher, Psyc 3140 with grade of C or higher, and Psyc 4200 or Psyc 4220 with grades of C or higher, or equivalents. Introduction to major theories concerning etiology and remediation of emotional distress; diagnostic nomenclature.

### **PSYC 4510 COMMUNITY PSYCHOLOGY 3.0**

Community Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Survey of community psychology, including its theoretical and political roots, research approaches, and models of prevention and intervention.

### **PSYC 4520 ENVIRONMENTAL PSYCHOLOGY 3.0**

Environmental Psychology. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. (Same as Geog 4782.) Introduction

to environmental psychology focusing on the relations between individuals and their natural and built environments. Topics include cognitive mapping of physical space, stress, crowding, and the applications of psychology to alleviating environmental problems.

### **PSYC 4560 PSYC OF ANIMAL BEHAVIOR 3.0**

Psychology of Animal Behavior. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. Psychological, genetic, physiological, and ecological bases of animal behavior. Basic adaptive mechanisms and their importance for understanding human behavior.

### **PSYC 4570 BEHAVIORAL NEUROBIOLOGY 3.0**

Neural Mechanisms of Regulatory Behavior. Prerequisites: Biol 3800 and 3840 with grades of C or higher, or equivalent. (Same as Biol 4114.) Brain-behavior interactions in mammals. Topics include the neurochemical/neuroanatomical basis of eating and drinking, temperature regulation, aggression, and reproductive behaviors.

### **PSYC 4590 NEUROBIOLOGY 3.0**

Neurobiology. Prerequisite: Psyc 4570 or Biol 4114 with grade of C or higher, or equivalent. Behavioral principles of learning, cognition, and language from the perspective of brain evolution and theory of brain function.

### **PSYC 4605 PSY PERSP ON INTIMATE VIOLENCE 3.0**

Psychological Perspectives on Intimate Violence. Prerequisites: Psyc 1101 with grade of D or higher, and Psyc 3010 and Psyc 3030 with grades of C or higher, or equivalent. In-depth consideration of psychological perspectives on the development and prevention of, and intervention for, intimate violence including a focus on the use of psychological research in public policy solutions.

### **PSYC 4610 PSYCHOLOGY OF AGING 3.0**

Psychology of Aging. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. (Same as Gero 4610.) Psychological contributions to the understanding, prevention, and treatment of normal and abnormal changes of later life.

### **PSYC 4620 PSYCHOLOGY OF WOMEN 3.0**

Psychology of Women. Prerequisite: Psyc 1101 with grade of D or higher, or equivalent. (Same as WSt 4620.) Historical and developmental themes regarding the psychology of women, issues of capacities, choices, stereotypes, status, psychological adjustment, and diversity in women.

### **PSYC 4630 HORMONES AND BEHAVIOR 4.0**

Hormones and Behavior. Prerequisite: Biol 3840 with grade of C or higher, or equivalent. (Same as Biol 4241.) Interaction of nervous and endocrine systems in the control of behavior of mammals, including humans, with emphasis on the mechanisms that adapt behavior to the changing physical and social environment.

### **PSYC 4660 APPLIED ANIMAL BEHAVIOR 3.0**

Applied Animal Behavior. Prerequisite: Psyc 4560 with a grade of C or higher. One lecture hour and two lab hours per class period five days per week. Offered only during May session. Observational methodology will be used to quantify animal behavior. Topics include applied and basic research questions, ethogram development, time sampling methods, observer reliability, and interpretation of data. Course instruction will be at Zoo Atlanta. Students will collect behavioral data on animal collection at Zoo Atlanta and write research reports.

### **PSYC 4760 RESEARCH PRACTICUM IN PSYC 1.0 to 3.0**

Research Practicum in Psychology. Prerequisites: Sophomore standing, Psychology GPA of 3.0 or higher, overall GPA of 2.5 or

better, authorization by the department, and advising by the department advisor. Directed research involving the application of the principles and methods of psychology. Weekly supervisory meetings and written work are required. A fulltime faculty supervisor is required. An offcampus supervisor may be used from communitybased research practica with the permission of an assigned faculty advisor.

**PSYC 4770 APPLIED PRACTICUM IN PSYC 1.0 to 3.0**

Applied Practicum in Psychology. Prerequisites: Psyc 3110 with grade of C or higher, or equivalent, sophomore standing, Psychology GPA of 3.0 or higher, overall institutional GPA of 2.5 or higher, authorization by the department, and advising by the department advisor. Directed experience in the application of the methods and principles of psychology in a nonresearch activity. Weekly supervisory meetings and written work are required. A fulltime faculty supervisor is required. An offcampus supervisor may be used from communitybased practica with the permission of an assigned faculty advisor.

**PSYC 4800 SEMINAR 1.0 to 3.0**

Seminar. Prerequisites: Nine hours in psychology and consent of instructor. Preparation and presentation of survey reports and summaries of recent advances and trends in major areas of psychology.

**PSYC 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**PSYC 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Psyc 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**PT = PHYSICAL THERAPY****PT 3000 INTRO TO PT & OT PRACTICE 3.0**

Introduction to Physical and Occupational Therapy Practice. The purpose of this course is to provide current information on the roles and functions of physical and occupational therapists in the present healthcare system. Students will be exposed to the breadth of these fields of science, research, and practice questions being asked, and practice approaches currently used. The relationship to the practice of medicine and other allied health professions will also be explored. This course is open to all university students.

**PT 3660 COMP & ALTERNATIVE THERAPIES 3.0**

Complementary and Alternative Therapies. This course provides students with information about Complementary and Alternative Therapies (CAT) including the role and scope of CAT in health care systems, and applications of CAT in therapeutic situations. The curing medicine and therapeutic modalities addressed include Acupuncture and Acupressure, Traditional Chinese Medicine, Herbal Medicine, Energy Medicine, Ayurvedic Medicine, Body/Mind Therapy, Homeopathic Therapy, Massage and Touch Therapy, and Nutrition and Diet.

**PT 4130 TAI CHI: THERAPEUTIC EXERCISE 3.0**

Tai ChiA Therapeutic Exercise This course introduces Tai Chi as a therapeutic exercise. The course addresses the benefits of Tai Chi exercise, Tai Chi's origin, philosophy and development. Scientific evidence of Tai Chi's benefits to health is discussed. The course introduces all the styles and forms of Tai Chi and the applications of Tai Chi to selfdefense, exercise, rehabilitation and meditation. Application of the principles and practices of Tai Chi to various physical impairments and disabilities is discussed.

**PT 4140 TAI CHI THERAPEUTIC EXERCISE 3.0**

Tai Chi Therapeutic Exercise This course introduces Tai Chi as a therapeutic exercise. The course addresses the benefits of Tai Chi exercise. Tai Chi's origin, philosophy and development. Scientific evidence of Tai Chi's benefits to health is discussed. The course introduces all the styles and forms of Tai Chi and the applications of Tai Chi to selfdefense, exercise, rehabilitation, and meditation. Application of the principles and practices of Tai Chi to various physical impairments and disabilities is discussed.

**RCLS = RECREATION & LEISURE STUDIES****RCLS 2260 FOUNDATIONS REC/LEISURE SERVC 4.0**

Foundations of Recreation and Leisure Services. Introduces students to the history and philosophy of the recreation and leisure services movement and the technological, economic, and community forces affecting it.

**RCLS 2350 INTRO LDRSHP/ACTIVITY ANALYSIS 3.0**

Introduction to Leadership and Activity Analysis. Presents the principles and practices of planning, presentation, and analysis of recreation activities. Students design, execute, and evaluate leadership plans, styles, and philosophies. A minimum grade of "C" is required for this course.

**RCLS 3350 THERAPTC REC PROF COMPETENCIES 1.0**

Therapeutic Recreation Professional Competencies. This course covers applied training in specialty areas, including but not limited to, adapted aquatics, psychodrama, leisure counseling, disabled sports, and pain management. A minimum grade of "C" is required for this course. (Repeatable)

**RCLS 3410 URBAN RECREATION 3.0**

Urban Recreation. Orientation to recreation and leisure services in the urban setting is discussed. The course focuses on inclusion in the planning process and the impact of cultural diversity and ethnicity. Emphasis is on at-risk youth and socioameliorative processes. A minimum grade of "C" is required for this course.

**RCLS 3490 INTRO TO THERAPEUTIC REC 3.0**

Introduction to Therapeutic Recreation. An overview of therapeutic recreation services, history, therapeutic recreation continuum, and scope of service are reviewed. Theoretical and philosophical approaches, the therapeutic recreation process, and current trends are covered. A minimum grade of "C" is required for this course.

**RCLS 3500 THERAP REC:PROG DEVEL/IMPLEMNT 3.0**

Therapeutic Recreation, Program Development, and Implementation. Principles of program planning and implementation of therapeutic recreation including assessment, community needs analysis, program design, comprehensive program evaluation, continuous quality improvement, and standards of care are reviewed. The Americans with Disabilities Act, legislation, risk management, and inclusive recreation approaches are also covered. A minimum grade of "C" is required for this course.

**RCLS 3740 PRACTICUM 3.0**

Practicum. Students must apply to the Kinesiology and Health Department at least one semester in advance to schedule practica. Students receive full training in a recreation setting. Travel and/or expenses may be required. Practicum may extend beyond one term. Course is graded as satisfactory/ unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4350 GROUP DYNAMICS 3.0**

Group Dynamics. Theory, principles, and practice in group dynamics are reviewed. Group leadership styles, diversity, and



individual differences in group behavior, applied techniques for management of group problem situations, and facilitation of positive changes in leisure behavior through group interventions are emphasized. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4400 MNGMNT/OPER REC PRG/FACILITIES 3.0**

Management and Operation of Recreation Programs and Facilities. The student experiences the concepts of design, construction, and management of recreation facilities. This course includes the relevant operational standards and building standards essential to the comprehensive planning and utilization of all areas and facilities in recreation and leisure services. A minimum grade of "C" is required for this course.

**RCLS 4500 THR REC CLN I:PHYS MEDIC/REHAB 3.0**

Therapeutic Recreation Clinical Skills I: Physical Medicine and Rehabilitation. Corequisite: RCLS 4501. Principles and practice in rehabilitation are reviewed including interdisciplinary treatment processes, medical vs. social minority models, assessment, treatment planning, and evaluation. Emphasis is placed on the etiology of physical disabilities such as spinal cord injury, head injury, stroke, amputation, and numerous congenital disabilities such as cerebral palsy and muscular dystrophy. A minimum grade of "C" is required for this course.

**RCLS 4501 THR REC CLINICAL SKILLS I: LAB 2.0**

Therapeutic Recreation Clinical Skills I: Lab. Corequisite: RCLS 4500. Application and implementation training in rehabilitation clinical skills including assessment of patients, treatment planning, documentation, and evaluation. Students are trained in rehabilitation clinical interventions. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4510 THR REC CLN II:MNTL HLTH/PSYCH 3.0**

Therapeutic Recreation Clinical Skills II: Mental Health and Psychiatry. Corequisite: RCLS 4511. The principles and practices in mental health and psychiatric services are covered. Etiology and implications of mental health are emphasized including depression; bipolar disorders; substance abuse; psychotic, mood, anxiety, personality, dissociative and delusional disorders. Implications of illness in leisure behavior and life function are reviewed including the role of therapeutic recreation in various treatment settings. A minimum grade of "C" is required for this course.

**RCLS 4511 THR REC CLINICAL SKILLS II:LAB 2.0**

Therapeutic Recreation Clinical Skills II: Lab. Corequisite: RCLS 4510. Application and implementation training in psychiatric interventions in inpatient, day treatment, and community settings are discussed. Assessment of patients, treatment planning, documentation, evaluation, and clinical intervention are also covered. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4520 THR REC CLN III:COMMUN THR REC 3.0**

Therapeutic Recreation Clinical Skills III: Community Therapeutic Recreation and Leisure Through the Life Span. Corequisite: RCLS 4521. Principles and practice techniques found in therapeutic recreation services in communitybased programs including transitional living, semiindependent care hospice, public parks and recreation departments, and schoolbased programs are covered. Community reintegration training, followup, transitional care, resource development, and family integrations are included. Aging, terminal illness, and mental impairment are also reviewed. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4521 THR REC CLINICAL SKILL III:LAB 2.0**

Therapeutic Recreation Clinical Skills III: Lab. Corequisite: RCLS 4520. The application and implementation of clinical skills

necessary for community reintegration, geriatrics, and the inclusive recreation process are covered. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4675 INTERNSHIP 9.0**

Internship. Prerequisite: completion of proficiencies and major advisor approval. A committee of department faculty members determines each student's readiness for the internship experience. Students must apply to the department two semesters in advance to schedule the internship. Students receive full time field training and leadership participation in a recreation and park system (municipal, county, state, federal), hospital, industry, or other recreation settings. Travel and/or expenses may be required. Internship may extend beyond one term. Course is graded as satisfactory/unsatisfactory. A minimum grade of "S" is required for this course.

**RCLS 4770 RES/EVAL REC LEISURE SERVICES 3.0**

Research and Evaluation in Recreation and Leisure Services. Methodology of recreation and leisure research is reviewed. Current status of research in the leisure profession and methods of evaluation are covered. A minimum grade of "C" is required for this course.

## RE = REAL ESTATE

**RE 3010 REAL ESTATE PRINCIPLES 3.0**

Real Estate Principles. Prerequisite: None. CSP: 1, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course is a prerequisite to all senior courses in real estate. It introduces the student to the nature of real estate and the principles of real estate analysis and utilization. Subjects include the real estate commodity and real property; the legal instruments involved in real property transactions; market analysis and the determinants of real estate values; the appraisal process and valuation techniques; investment and financial analysis; public aspects of real estate planning and land utilization; and technological impacts such as the Internet.

**RE 4050 REAL ESTATE DEVELOPMENT 3.0**

REAL ESTATE DEVELOPMENT. Prerequisite: RE 3010. CSP: 1, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the real estate development process focusing on the physical/design dimension. It examines building economy through review of design, construction, and analysis procedures such as the site suitability analysis, cost engineering, and life cyclecosting. The course considers the impact of technology and virtual economic arrangements on the form and design of physical structures and the function of changing technical and economic activities on space needs. Traditional and technical databases and resources such as the Internet are incorporated.

**RE 4100 RESIDENTIAL VALUATION 3.0**

Residential Property Valuation. Prerequisite: RE 3010. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the theory and techniques of appraising residential real estate by examining the principles of appraising, the appraisal process, and standards of performance. Elements of the Freddie Mac and Fannie Mae Uniform Residential Appraisal Report will be treated. The residential sales comparison, cost, and gross income capitalization approaches to valuing residential properties are presented. Methods of collecting and analyzing primary and secondary data from a variety of sources such as the internet are presented and used in preparing a demonstration appraisal report. The student is prepared to challenge beginning professional designation examinations.

**RE 4150 REAL EST FIN & MTGE BKG 3.0**

Real Estate Finance and Mortgage Banking. Requires a 2.5 GSU GPA and



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45 semester hours. CSP: 1, 2. Principles and methods of financing real estate, sources of funds, types and contents of financing instruments, and the role of various financing institutions, both private and governmental, are covered in this course. The latest electronic technology is incorporated wherever possible.

### **RE 4160 INVEST PROP ANALYSIS & AP 3.0**

Investment Property Analysis and Appraisal. Prerequisite: RE 3010, RE 4150, Bcom 3950. CSP: 1, 2, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. In this course students apply investment principles and analytical techniques to decisions about real property. Emphasis is on the estimation of revenues, expenses, and risk/return relationships in investment valuation of real property, including yield rates and capitalization rates used in valuation as well as discounted cash flows. The effects of financing, income taxes, and entity selection upon investment performance are also considered. Students practice investment analysis using electronic technology. Report writing is an important element of the course.

### **RE 4389 DIR READ IN REAL ESTATE 1.0 to 3.0**

Directed Readings in Real Estate. Prerequisites: RE 3010, consent of instructor.

### **RE 4410 INCOME PROPERTY VALUATION 3.0**

Income Property Valuation. Prerequisite: RE 4150 or RE 4160 or Consent of instructor. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. The focus of this course is on the market valuation of income producing real estate stressing the market, cost, and income approaches to value. Of importance is the evolving relevance of real estate valuation information to corporate financial reporting and the needs and functions of corporate and investment fiduciaries. Both normative and actual models of valuation are presented and contrasted. Sources of appraisal error and bias are also examined.

### **RE 4600 ADV INCOME PROPERTY ANALYSIS 3.0**

Advanced Income Property Analysis. Prerequisite: RE 4100, RE 4160. CSP: 1, 2, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course considers the computation and forecasting of gross income, expenses, and net operating income; the theory and mechanics of deriving capitalization and discount rates; and applications of compound interest theory to property property analysis. Contemporary theory and practices are examined and evaluated. Several income property types are studied. Methods of collecting and analyzing primary and secondary data from a variety of sources such as the Internet are presented and used in preparing a demonstration report. E commerce aspects of the analysis are presented. analysis is presented.

### **RE 4800 APPLIED RE MARKET ANALYSIS 3.0**

Applied Real Estate Market Analysis. Prerequisites: RE 3010, Econ 2105, Econ 2106. CSP: 1, 2. Requires a 2.5 GSU GPA and 45 semester hours. In this course students examine the processes used to analyze supply and demand in the real estate market. The course focuses on using research methodologies to define the scope of analysis; identify data needs; collect information from various sources, including online resources; and interpret the results. Applications to different property types are discussed. Current market trends are also examined.

### **RE 4810 MGT OF REAL ESTATE ASSETS 3.0**

Management of Real Estate Assets. Prerequisite: RE 3010. CSP: 1, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course provides the basic knowledge and skills in the area of management of real property. Factors affecting cash flows are examined as well as the impact of human behavior on the acquisition, holding, and disposition of properties. Topics may include property management, planning/control and marketing techniques, electronic database management and analysis, real estate

brokerage and asset management techniques, negotiation, and e-commerce aspects of real estate asset management.

### **RE 4950 URBAN DEVEL REGULATIONS 3.0**

Urban Development Regulations. Prerequisite: RE 3010. CSP: 1, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course is concerned with the governmental constraints applied to the physical growth and development of urban areas. The course materials trace the development of the rules, regulations, enabling acts, codes, ordinances, administrative practices, and related procedures as they apply to the growth, development, and redevelopment of cities, suburbs, and countryside.

## **RELS = RELIGIOUS STUDIES**

### **RELS 2001 INTRO TO WORLD RELIGIONS 3.0**

Introduction to World Religions. Introduction to the academic study of the world's major religious traditions, including their beliefs, practices, sacred texts, and moral codes. Religions to be examined may include Buddhism, Hinduism, Confucianism, Taoism, Shinto, Judaism, Christianity, Islam, Native American traditions, and African religions.

### **RELS 3010 HISTW PHIL I ANCIENT&MEDIEVAL 3.0**

History of Western Philosophy I: Ancient and Medieval. (Same as Phil 3010.) Development of European philosophy from the early Greeks to the Renaissance. Typically included are Socrates, Plato, Aristotle, St. Augustine, and St. Thomas Aquinas.

### **RELS 3020 HISTORYWESTRN PHIL II: MODERN 3.0**

History of Western Philosophy II: Modern. (Same as Phil 3020.) Development of European philosophy from the Renaissance to the Enlightenment. Typically included are Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

### **RELS 3030 HISTW PHIL III 19TH20TH CENTURY 3.0**

History of Western Philosophy III: 19th/20th Century. (Same as Phil 3030.) Development of European and American philosophy from the Enlightenment to the midtwentieth century. Philosophers and schools may include Hegel, Marx, Mill, Nietzsche, Russell, James, Dewey, Sartre, Whitehead, and Wittgenstein, and idealism, pragmatism, process thought, existentialism, and analytic philosophy.

### **RELS 3050 INTRODUCTION TO RELIGION 3.0**

Introduction to Religion. Introduction to the study of religion with reference to its historical, philosophical, and ethical significance. The meaning of religious institutions, texts, and world views will be explored through the study of selected traditions.

### **RELS 3230 PHILOSOPHY OF RELIGION 3.0**

Philosophy of Religion. (Same as Phil 3230.) Issues such as the nature of religion, arguments for the existence of God, the problem of evil, faith and reason, religious experience, immortality, myth and symbol, and alternative religious philosophies.

### **RELS 3250 BIBLICAL STUDIES 3.0**

Biblical Studies. Introduction to the interpretation, history, and theology of the Hebrew Bible and New Testament. Modern methods of biblical scholarship, such as hermeneutics and form/source criticism.

### **RELS 3270 WORLD RELIGIONS 3.0**

World Religions. Survey and comparison of the beliefs and practices of the major world religions including Christianity, Islam, Judaism, Buddhism, and Hinduism.

### **RELS 3290 JESUS IN AND OUTSIDE GOSPELS 3.0**

Jesus Inside and Outside the Gospels. Comparative study of portrayals

of Jesus as they have evolved over the past two millennia. Topics may include the differences between the Synoptic and Johannine materials, noncanonical gospels, the way Jesus is depicted in texts from other religions (e.g., Quran, Gandhi's "What Jesus Means to Me"), and visual depictions of Jesus, including in modern media such as film and the internet.

### **RELS 3300 EARLY CHRISTIANITY 3.0**

Early Christianity. Topics may include God, faith, the role of the Church, and the nature of human beings in the thought of figures such as Paul, Augustine and Aquinas; and alternatives to Orthodoxy such as Gnosticism, Arianism, and Pelagianism.

### **RELS 3305 MODERN CHRISTIAN THOUGHT 3.0**

Modern Christian Thought. Examination of the development of Christian thought from the 16th century to contemporary times. Topics may include the thought of figures such as Luther, Kierkegaard, and Schleiermacher; the rise of rationalism and science; and anti-Christian thinkers.

### **RELS 3310 CONTEMPORARY RELIGIOUS THOUGHT 3.0**

Contemporary Religious Thought. Topics such as religious existentialism, hermeneutics, liberation theology, fundamentalism, and feminist theology.

### **RELS 3350 NEW RELIGIOUS MOVEMENTS 3.0**

New Religious Movements. Examination of new and emerging religious movements. Topics may include recent apocalyptic and messianic movements, Mormonism, Baha'i, Soka Gakkai, Christian Science, the Unification Church, and Santeria.

### **RELS 3400 INTRODUCTION TO JUDAISM 3.0**

Introduction to Judaism. (Same as MES 3400.) Central practices and beliefs of the Jewish tradition; historical development of Judaism from its origins to the reestablishment of the state of Israel with thematic attention given to the concept of Jewish identity. Texts include primary sources (e.g., Hebrew Bible, Mishnah) in translation, as well as noted Jewish fiction.

### **RELS 3500 INTRODUCTION TO ISLAM 3.0**

Introduction to Islam. (Same as MES 3500.) Central practices and beliefs of Islam; readings from the Qur'an, hadith, and other primary sources (in translation); and contemporary issues in Islam which might include the status of women, Nation of Islam, and Islamic fundamentalism/revivalism.

### **RELS 3520 SUFISM & ISLAMIC MYSTICISM 3.0**

Sufism and Islamic Mysticism. (Same as MES 3520.) The rise of ascetic and mystical tendencies in Islam; the development of Sufism and the Sufi brotherhoods; the conflict between Sufism and Islamic law, and their eventual reconciliation; anti-Sufi polemics of reformers and fundamentalists in modern times; the continuing importance and vitality of Sufism today.

### **RELS 3900 RELIGION AND POPULAR CULTURE 3.0**

Religion and Popular Culture. Exploration of "popular religion" in American culture, utilizing both scholarly and mainstream materials. Topics may include holiday celebrations, tensions between sciences (or sciencefiction) and religion, western appropriations of eastern traditions, and religion in the mass media.

### **RELS 3950 RELIGION, MORALITY AND FILM 3.0**

Religion, Morality and Film. Examination of the new religious possibilities, new religious visions, and moral consequences created by the emergence of modern film. Topics may include a survey of film in different cultures, the history of film codes and regulations in the United States, and debates about the proper use of images in religion.

### **RELS 4040 AUGUSTINE AND AQUINAS 3.0**

Augustine and Aquinas. (Same as Phil 4040.) Selected works of the major religious philosophers of the Middle Ages with emphasis on their views on topics such as God, sin, human nature, free will, faith, and politics.

### **RELS 4200 RELIGION IN AMERICA 3.0**

Religion in America. Introduction to the religious experiences of Americans from colonial times to the present. Topics may include Native American religion, Puritanism, Mormonism, spiritualism, Reform Judaism, Catholic modernism, Islam, fundamentalism, and AfricanAmerican religion.

### **RELS 4210 SPIRITUALITY IN AMERICA 3.0**

Spirituality in America: Native Americans to New Age. Examination of the recent history of spirituality in American culture, stressing the lives of seers, mystics, and American prophets from the last 100 years. Topics include Native American spiritual practices, western ("New Age") appropriations of native spiritualities, mysticism, meditation, religious eclecticism, the problems of interpreting ecstatic behaviors, altered states of consciousness, and new religious movements in America.

### **RELS 4215 UTOPIAN/RADICAL/REVOLUTIONARY 3.0**

Utopians, Radicals and Revolutionaries: Religious Reformers in America. Exploration of how religious reformers set out to change, revive, or revolutionize American society. Examination of questions including: What does it mean to create the "good society" in a setting where the people rule? What kinds of personal qualities (virtues) and social institutions must be sustained in order to hold such a society together? How is it possible to educate or otherwise equip American citizens to rule themselves and their society?

### **RELS 4220 THEORIES OF RELIGION 3.0**

Theories of Religion. Critical investigation into the nature of religion and the methods for studying it. Consideration given to psychological, anthropological, sociological, phenomenological, philosophical, dialogical, feminist, and comparative approaches.

### **RELS 4230 RELIGIONS OF THE AFRICAN WORLD 3.0**

Religions of the African World. (Same as AAS 4230.) An overview of religion from Africa to the Diaspora. African cosmology and religions among various African peoples such as the Yoruba and the Dogon of Mali. African origins of Western religions such as Judaism, Christianity, and Islam. Various religions among African peoples in the diaspora such as Santeria, Voodooism, Rastafarianism, as well as Christianity, Black Judaism, and the Nation of Islam. Special attention to African survivals in religion in the Diaspora. The role of religion as a tool of liberation and in community and economic development.

### **RELS 4240 DEATH AND THE AFTERLIFE 3.0**

Death and the Afterlife. Introduction to the general beliefs and practices associated with death and the afterlife in several world religious traditions. Topics may include religious perspectives on the process of dying, treatment of the body, methods of grieving, views of suicide and martyrdom, and contemporary issues surrounding death and the afterlife.

### **RELS 4250 AFRICANAMERICAN RELIGION 3.0**

AfricanAmerican Religion. (Same as AAS 4250.) Survey of the development of AfricanAmerican religion from colonial times to the present, including an examination of both theological arguments and spiritual experiences.

### **RELS 4260 RELIGION AND LITERATURE 3.0**

Religion and Literature. Examines how religious institutions, beliefs, and values have been presented in and challenged within novels. Readings include works by authors from various religious

communities as well as theoretical work done by scholars working in the field of religion and literature.

**RELS 4270 WOMEN AND RELIGION 3.0**

Women and Religion. Multicultural exploration of the role of women and female divinities in diverse religious traditions; readings from ancient myths to contemporary feminist theology.

**RELS 4290 PILGRIMAGE 3.0**

Pilgrimage. Exploration of the central role played by pilgrimage in world religious traditions, including study of its vital social and religious functions. Examples from Judaism, Christianity, Islam, Hinduism, Buddhism, as well as theoretical readings on the phenomenon of pilgrimage.

**RELS 4295 RELIGION, SPORT & SPIRITUALITY 3.0**

Religion, Sport and Spirituality. Prerequisite: at least one course in Religious Studies, or consent of the instructor. A comparative study of the ancient and modern Olympics with an emphasis on the religious character of these games. Questions explored may include: why were the games shut down by the newly Christianized Roman Empire for religious reasons, and why were they revived in the nineteenth century?

**RELS 4300 METAPHYSICS 3.0**

Metaphysics. Prerequisite: one upperlevel course in philosophy or religious studies. (Same as Phil 4300.) Topics may include personal identity and human nature; space, time, matter, and causality; freedom and determinism; teleology; conceptions of divinity; and world views and paradigm shifts.

**RELS 4450 MODERN JUDAISM 3.0**

Modern Judaism. (Same as MES 4420.) Key issues and historical events shaping Judaism in the modern world, including Zionism, the development of Jewish denominations, the Holocaust, Middle East conflict, women's roles in Jewish life, and the development of Judaism in the United States. No previous knowledge of Judaism is required; all readings are in English.

**RELS 4460 JUDAISM IN THE SOUTH 3.0**

Judaism in the South. Examination of the historical and cultural development of Judaism in the American south. Topics may include Jewish immigrants, issues of assimilation, Jews and the Civil War, Jewish involvement in the Civil Rights Movement, the Leo Frank case, the Temple bombing in Atlanta, and contemporary issues in Southern Jewish life.

**RELS 4480 ISLAMIC FUND & MODERN WORLD 3.0**

Islamic Fundamentalism and the Modern World. (Same as MES 4430.) Modern Islamic movements including modernization, secularization, and fundamentalism. Emphasis on fundamentalist views on women, politics, popular religious practice, and violence; Muslim responses and alternatives to fundamentalism.

**RELS 4490 TOPICS IN JUDAISM 3.0**

Topics in Judaism. (Same as MES 4460.) Examination of selected topics in Judaism. May be repeated if topic varies.

**RELS 4570 SPECIAL TOPICS IN ISLAM 3.0**

Special Topics in Islam. (Same as MES 4440.) Investigation of a specific theme, figure(s), or text(s) within Islam, such as Islamic ethics, historical portrayals of Muhammad, or the Nation of Islam. May be repeated if topic varies.

**RELS 4580 LIFE OF MUHAMMAD 3.0**

Life of Muhammad. (Same as MES 4450.) Study and contrast of various perspectives of the life of the Prophet Muhammad including medieval Muslim hagiographies, medieval European polemics, and modern reinterpretations of both Muslims and nonMuslims.

**RELS 4610 HINDUISM 3.0**

Hinduism. (Same as Phil 4610.) Introduction to the Hindu gods and goddesses, Hindu temple and domestic worship, and key themes in modern Hinduism. Will include an overview of the development of Hindu thought and practice from ancient times to the present.

**RELS 4612 GITA, YOGASUTRA, HINDU TEXTS 3.0**

Bhagavad Gita, Yogasutra, and Other Hindu Texts. Introduction to the classic religious texts in the Hindu tradition. Readings include selections from the Rig Veda, the Upanishads, the Satapatha Brahmana, the Yogasutras, the Mahabharata (including the Bhagavad Gita), devotional poetry, and writings from several modern Hindu religious leaders. All reading in English translation; no prior knowledge of Hinduism necessary.

**RELS 4615 BUDDHISM 3.0**

Buddhism. (Same as Phil 4615.) Historical introduction to the Buddhist tradition, tracing its development in India, Southeast Asia, Tibet, China, Japan, and the West.

**RELS 4620 CONFUCIANISM AND TAOISM 3.0**

Confucianism and Taoism. (Same as Phil 4620.) Historical introduction to Chinese religion and philosophy, tracing developments in Confucianism and Taoism. Some consideration given to Chinese Buddhism and popular religion.

**RELS 4625 ZEN AND SHINTO 3.0**

Zen and Shinto. (Same as Phil 4625.) Historical introduction to Japanese religion and philosophy, tracing its developments in Shinto, folk religion, and various Buddhist schools. Special consideration given to Zen Buddhism.

**RELS 4628 TOPICS IN ASIAN RELIGION 3.0**

Topics in Asian Religion. Investigation of a selected topic within Hindu, Buddhist, Chinese, and/or Japanese religion. Possible topics include classical Taoist philosophy, new religions in Japan, Tibetan Buddhist texts, and human rights in Asian religion. May be repeated if topics varies.

**RELS 4630 COMPARATIVE STUDY OF MYSTICISM 3.0**

Comparative Study of Mysticism. In-depth study of mystical texts and traditions, with special attention given to theoretical and methodological inquiry. Readings drawn from a range of traditions and historical periods, as well as from works in contemporary critical theory in the study of religion.

**RELS 4640 RELIGION AND SEXUALITY 3.0**

Religion and Sexuality: The Problem of the Erotic. Prerequisite: at least one course in Religious Studies, or consent of instructor. Beginning with a reconstruction of ancient Greek and Roman sexual attitudes, the course examines how these attitudes and practices were inherited by, and changes by, later Jewish and Christian communities. After a study of the new medieval language of heresy and expulsion in Europe, the course turns to modern rehabilitations of Classical ideas in thinkers such as Freud and Foucault.

**RELS 4650 RELIGION AND ETHICS 3.0**

Religion and Ethics. (Same as Phil 4650.) Study of the relation between religion and morality, including both Eastern and Western religious perspectives. Topics may include such issues as warfare, social justice, sexual ethics, and issues in modern medicine.

**RELS 4670 CHURCH AND STATE 3.0**

Church and State. (Same as Phil 4670.) Philosophical and theological perspectives on the relationship between church and state. Issues such as conscientious objection, school prayer, the free exercise of religion, and Islamic attitudes toward the state.

**RELS 4680 WAR, PEACE, AND RELIGION 3.0**

War, Peace, and Religion. (Same as Phil 4680.) Comparative study of attitudes towards war and peace in major religious traditions. Topics may include the Christian justwar tradition; Islamic notions of jihad; Buddhist renunciation and pacifism; the writings of Gandhi; nuclear arms and the status of noncombatants; civil disobedience and conscientious objection; and religiously motivated terrorism.

**RELS 4690 SECULARISM, LIBERALISM & RELI 3.0**

Secularism, Liberalism and Religion. Prerequisite: at least one course in Religious Studies, or consent of instructor. Exploration of the role of religion and religious values in the modern, secular state with an emphasis on the past thirty years. Topics may include the defense of the principles of modern Liberalism from within religious traditions and critiques made by communitarians, Marxists, and NeoTraditionalists.

**RELS 4700 ISSUES IN RELIGIOUS STUDIES 3.0**

Issues in Religious Studies. Examination of a selected topic in religion. May be repeated if topic varies, but only six credit hours may be applied toward the major.

**RELS 4870 HONORS THESIS: RESEARCH 1.0 to 6.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis.

**RELS 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisites: RelS 4870, consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**RELS 4950 INDEPENDENT RESEARCH 1.0 to 3.0**

Independent Research. Prerequisite: consent of instructor. Designed to provide students with the opportunity to do more advanced work in an area in which they already have had regular course work. Not to be used as a substitute for regular upperlevel courses.

**RGTE = REGENTS' TEST WRITING****RGTE 0199 REGENTS' WRITING SKILLS 3.0**

Regents' Writing Skills. The Regents' Writing Skills course is intended to ensure that all graduates of University System of Georgia institutions possess certain minimum skills in writing. Students learn to evaluate their own writing strengths and weaknesses and work on improving their writing skills so that they are able to write an essay meeting the Regents' criteria.

**RGTR = REGENTS' TEST READING****RGTR 0198 REGENTS READING SKILLS 3.0**

Regents Reading Skills. Course ensures that all graduates of University System of Georgia institutions possess certain minimum skills in reading comprehension. Students work on improving their comprehension of material drawn from a variety of subject areas (social science, mathematics, and natural science and humanities) with various modes of discourse (exposition, narration, and argumentation). Critical thinking, vocabulary in context, literal and inferential comprehension, and analysis are emphasized. Course is graded as satisfactory/ unsatisfactory. A minimum grade of "S" is required for this course.

**RMI = RISK MANAGEMENT AND INSURANCE****RMI 3500 INTRO TO RISK MGT AND INS 3.0**

Introduction to Risk Management and Insurance. Prerequisite: none. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. The primary focus of this introductory course is on evaluating life, health, retirement, property, and liability exposures to loss and analyzing the methods for managing these risks. Risk management and insurance techniques for dealing with potential losses to individuals and organizations are emphasized. This course is suggested as an elective for all majors.

**RMI 4010 LIFE INSURANCE 3.0**

Life Insurance. Prerequisite: RMI 3500. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course covers the nature and importance of life and health risks and the functions and uses of individual life and health insurance in treating these risks. From both the individual and the business viewpoints, techniques for evaluating life insurance, health insurance, and annuities are covered, including a review of the legal aspects of these contracts. This course is suggested as an elective for all majors.

**RMI 4020 PROP & LIABILITY INS 3.0**

Property and Liability Insurance. Prerequisite: RMI 3500. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course examines the major types of property and liability insurance. The structure, scope, and limitations of commercial property and liability contracts are analyzed. Coverage principles and concepts are emphasized. This course is suggested as an elective for all majors.

**RMI 4300 RISK MANAGEMENT 3.0**

Risk Management. Prerequisite: RMI 3500. Bcom 3950. CSP: 1, 2, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course examines the risk management process, the identification and evaluation of loss exposures, the analysis of the various risk control and financing techniques available to manage the exposures, decision making under conditions of uncertainty, and control mechanisms to monitor the results of the risk management program. Case studies, computer simulation, and work to reinforce the risk management concepts covered in the course are required. This course is suggested as an elective for all majors, especially accounting, finance, and management.

**RMI 4389 DIR READ IN RISK MGT/INS 1.0 to 3.0**

Directed Readings in Risk Management and Insurance. Prerequisite: one RMI course, consent of instructor.

**RMI 4391 RMI FIELD STUDY 1.0 to 3.0**

Risk Management and Insurance Field Study. Prerequisite: Department approval. Requires a 3.0 GPA or or greater and 45 semester hours. This course is designed to provide the seniorlevel under graduate student with an opportunity to apply the business skills learned at the Robison College of Business (RCB) in an approved site off or on campus. The course immerses students in the planning and execution of complex activities involved in both large and small businesses.

**RMI 4530 EMPLOYEE BENEFIT PLANS 3.0**

Employee Benefit Plans. (Same as Mgs 4385.) Prerequisite: Mgs 3400. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course examines the characteristics and design of employee benefit plans, including group insurance, pensions, and profit sharing. These plans are evaluated in terms of their cost and effectiveness. Consideration is given to employee communications, taxation, collective bargaining, social insurance systems, and international benefit programs.



**RMI 4700 INSURANCE OPERATIONS 3.0**

Insurance Operations. Prerequisite: RMI 3500, RMI 4010, RMI 4020; Bcom 3950, or consent of instructor. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to study the key operational activities of insurance organizations. It specifically covers marketing and distributions systems, underwriting, principles of ratemaking, reinsurance, and financial analysis. These functional areas are studied in the context of regulatory and public policy issues. Students analyze the operational and financial aspects of an insurance company.

**RMI 4980 PROBLEMS IN RISK MGT/INS 3.0**

Problems in Risk Management and Insurance. Prerequisite: a minimum of four RMI courses including RMI 3500, 4010, and 4020, or consent of instructor. CSP: 1, 6, 7. Requires a 2.5 GSU GPA and 45 semester hours. The principal focus of this capstone course for the RMI major is the study of current problems and issues in risk management and insurance.

**RT = RESPIRATORY THERAPY****RT 1010 CPR 2.0**

Cardiopulmonary Resuscitation (CPR). An American Heart Association certified course in basic life support, including adult, pediatric, and infant resuscitation and foreign body airway obstruction. Students receive Basic Life Support (BLS) certification from the American Heart Association with successful completion.

**RT 2011 APPLIC PHYS PRINC HEALTH 3.0**

Application of Physical Principles in Healthcare. Prerequisites: Math 111, Chem 1151K, Chem 1152K or consent of instructor. This course describes the scientific basis for therapeutic and diagnostic techniques, and related equipment, with emphasis on physical and chemical principles of operation. Open to all university students.

**RT 3005 CLIN CARDIO PHYSIOLOGY 3.0**

Clinical Cardiopulmonary Physiology. Three lecture hours per week. A study of cardiopulmonary function as an introduction to understanding the pathophysiology of disease states. This course includes study of respiratory physiology, cardiac, and circulatory function with relevant clinical application of concepts. This course is also RT 6005.

**RT 3025 PATIENT EVALUATION 4.0**

Patient Evaluation. Three lecture hours and two lab hours per week. A study of procedures for laboratory and clinical evaluation of the respiratory and critical care patient.

**RT 3027 PULMONARY DISEASES 3.0**

Pulmonary Diseases. A study of the pathophysiology, clinical signs and symptoms, diagnosis, management and prognosis of acute and chronic pulmonary diseases, with an emphasis on respiratory care.

**RT 3030 PULMONARY DIAGNOSTICS 3.0**

Pulmonary Diagnostics. Two lecture hours and two lab hours per week. A study of pulmonary diagnostic techniques, with an emphasis on pulmonary function testing and interpretation.

**RT 3040 RESP CARE PHARMACOLOGY 3.0**

Respiratory Care Pharmacology. A study of pharmacological agents used in the treatment of cardiopulmonary disease and critical care, with an emphasis on inhaled bronchoactive aerosols.

**RT 3050 CLINICAL PRACTICE I 1.0**

Clinical Practice I. Four hours of clinical for four weeks. A preparation for and introduction to the hospital environment. Emphasis is placed on basic life support, introduction to the clinical affiliate, and medical gas therapy.

**RT 3051 CLINICAL PRACTICE II 4.0**

Clinical Practice II. Sixteen hours of clinical per week, one hour of lecture. Clinical experience is provided in basic respiratory care procedures. The integration of equipment and patient care are emphasized. Case presentations are required to integrate clinical and classroom theory.

**RT 3052 CLINICAL PRACTICE III 1.0**

Clinical Practice III. Five hours of clinical per week, one hour of lecture. Clinical experience is provided in the pulmonary function laboratory and in the intensive care setting to refine skills introduced in Clinical I and II. Case presentations are required to integrate clinical and classroom theory.

**RT 3111 RESP CARE PROCEDURES I 4.0**

Respiratory Care Procedures I. Three lecture hours and two lab hours per week. A study of respiratory care treatment and support modalities, with associated equipment. Emphasis is placed on understanding application to patient situations, assessment of care, and principles of operation of equipment.

**RT 3112 RESP CARE PROCEDURES II 3.0**

Respiratory Care Procedures II. Two lecture hours and two lab hours per week. A study of respiratory care treatment and support modalities, with associated equipment. Emphasis is placed on understanding application to patient situations, assessment of care, and principles of operation of equipment. A continuation of RT 3111.

**RT 3500 RESEARCH METHODS 3.0**

Research Methods. This course is designed to provide students with an overview to the major research concepts as applied to the profession of respiratory care. Emphasis is on how to critically evaluate published and empirical research.

**RT 4011 VENTILATORY SUPPORT I 3.0**

Ventilatory Support I. Three lecture hours and one lab hour per week. A study of methods of mechanical ventilatory support, including physiology and patient management, as well as equipment.

**RT 4012 VENTILATORY SUPPORT II 4.0**

Ventilatory Support II. Four lecture hours and two lab hours per week. A study of methods of mechanical ventilatory support, including physiology and patient management, as well as equipment. A continuation of RT 4011

**RT 4051 CLINICAL PRACTICE IV 4.0**

Clinical Practice IV. Sixteen hours of clinical per week, one hour of lecture. A third course in the sequence of clinical rotations which provides instruction and experience in the adult critical care setting. Case presentations are required to integrate clinical and classroom theory.

**RT 4052 CLINICAL PRACTICE V 5.0**

Clinical Practice V. Twentyfour hours of clinical per week. Clinical experience is divided into neonatal and pediatric care, and adult critical care.

**RT 4060 ADV CRITICAL CARE MONITOR 3.0**

Advanced Critical Care Monitoring. A study of advanced cardiopulmonary monitoring used with the critical care patient. Topics include hemodynamic monitoring, ventilatory waveform analysis, and capnography.

**RT 4070 ADV CARDIAC LIFE SUPPORT 2.0**

Advanced Cardiac Life Support. The Advanced Cardiac Life Support (ACLS) course is designed to develop the participant's proficiency in providing care in a cardiorespiratory arrest. This course is offered over a tenweek period to allow for understanding of pathophysiology and the assimilation of the knowledge to carry out skills required in emergent circumstances.



**RT 4075 PATIENT CARE MANAGEMENT 3.0**

Patient Care Management. An analysis of patient care management strategies for the respiratory therapist. Patient assessment and critical care management topics will be emphasized.

**RT 4080 PED RESPIRATORY CARE 1.0**

Pediatric Respiratory Care. This course introduces concepts of pediatric disease and ventilatory management.

**RT 4081 NEONATAL RESPIRATORY CARE 3.0**

Neonatal Respiratory Care. The processes of growth and development relating to respiratory care from the fetus to the infant will be discussed. Techniques of diagnosis and treatment will be discussed. Techniques of diagnosis and treatment will be utilized to enable the student to develop the processes needed to combine physiologic function with care modalities.

**RT 4082 ADVAN NEONATAL RESP CARE 3.0**

Advanced Neonatal Respiratory Care. Advanced concepts in the evaluation, monitoring, and therapeutic modalities seen with common neonatal disorders, including respiratory distress syndrome, intracranial hemorrhage, pulmonary hypertension of the newborn, and others. A case study approach will be utilized.

**RT 4085 CURRENT TRENDS TO EXTEND CARE 3.0**

Professional Practice: From Current Trends to Extended Care. An analysis of the current professional environment and the role of the respiratory therapist in that atmosphere are discussed. An overview of concepts, procedures, and long term care and how the respiratory therapist's role is impacted interacting between the acute care facility and selfadministered care in the patient's home is emphasized. Topics and emphasis may vary.

**RT 4950 DIRECTED READINGS 1.0 to 3.0**

Directed Readings. Readings course in respiratory therapy or other related area.

**RT 4990 SPECIAL STUDIES 1.0 to 3.0**

Special Studies. Designed to provide students with the opportunity for advanced work in a special area on an individual basis. A project will be completed.

**RUSS = RUSSIAN****RUSS 1001 ELEMENTARY RUSSIAN I 3.0**

Elementary Russian I. Development of basic skills in listening, speaking, reading, and writing. Acquisition of grammatical structures. Not open to native speakers of Russian.

**RUSS 1002 ELEMENTARY RUSSIAN II 3.0**

Elementary Russian II. Prerequisite: Russ 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing. Acquisition of grammatical structures. Not open to native speakers of Russian.

**RUSS 2001 INTERMEDIATE RUSSIAN I 3.0**

Intermediate Russian I. Prerequisite: Russ 1002 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills. Vocabulary expansion; further work with grammatical structures.

**RUSS 2002 INTERMEDIATE RUSSIAN II 3.0**

Intermediate Russian II. Prerequisite: Russ 2001 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills through the use of audio and video materials as well as literary and nonliterary texts.

**SCUL = SCULPTURE****SCUL 3000 SCULPTURE I 3.0**

Sculpture I. Prerequisite: Art 1040 with grade of C or higher. Assembling and fabricating; techniques and procedures in materials such as wood, metal, concrete, plaster, plastics, etc.

**SCUL 3100 SCULPTURE II 3.0**

Sculpture II. Prerequisite: Art 1040 with grade of C or higher. Emphasis in molding and casting procedure applicable to metals, plastics, and concrete.

**SCUL 3200 FIGURE STUDIES IN SCULPTURE 3.0**

Figure Studies in Sculpture. Prerequisite: Art 1040 with grade of C or higher. Investigations of human form in three dimensions from traditional academic clay modeling to experimental interpretations. May be repeated for a maximum of six credit hours.

**SCUL 4000 SELECTED TOPICS IN SCULPTURE 4.0**

Selected Topics in Sculpture. Prerequisite: Scul 3000 and 3100, or Scul 3200 with grade of C or higher. Special topics for studio art majors: technical workshops and specialized experiences or readings applicable to sculpture. May be repeated for a maximum of eight credit hours.

**SCUL 4500 DIRECTED STUDY IN SCULPTURE 4.0**

Directed Study in Sculpture. Prerequisite: Scul 4100 with grade of C or higher, or consent of advisor. Individual studio problems for advanced students. May be repeated for a maximum of twenty credit hours.

**SCUL 4940 PORTFOLIO I 3.0**

Portfolio I. Prerequisite: Scul 4500 with grade of C or higher. Senioreyear studio experience for B.F.A. degree candidates. Committee review.

**SCUL 4950 PORTFOLIO II 3.0**

Portfolio II. Prerequisite: Scul 4940 with grade of C or higher, or concurrently. Culminating studio experiences for B.F.A. degree candidates. Committee review.

**SCUL 4980 SPECIAL PROBLEMS 4.0**

Special Problems. Prerequisites: consent of instructor and of School director. Independent studies initiated by the student. May be repeated for a maximum of eight credit hours.

**SOCI = SOCIOLOGY****SOCI 1101 INTRODUCTORY SOCIOLOGY 3.0**

Introductory Sociology. A survey of the discipline of sociology. Topics will include sociological theory, methods, and selected substantive areas.

**SOCI 1160 INTRO TO SOCIAL PROBLEMS 3.0**

Introduction to Social Problems. A theoretical and empirical analysis of selected major social problems confronting American society.

**SOCI 3010 SOCIAL STATISTICS 3.0**

Social Statistics. Concepts in research formulation and data analysis including variables and measurement, hypotheses testing, sampling, research design, and analysis.

**SOCI 3020 SOCIAL RESEARCH METHODS 3.0**

Social Research Methods. Prerequisite: Soci 3010 with grade of C or higher. Advanced studies in techniques of research design, data collection, and management; hypothesis testing.

**SOCI 3030 SOCIOLOGICAL THEORY 3.0**

Sociological Theory. Major theoretical orientations used in sociology from the 1800s to the present.

**SOCI 3101 FAMILIES AND SOCIETY 3.0**

Families and Society. (Same as WSt 3120.) Key concepts and processes of family sociology with application to sexuality, partner selection, transition to parenthood, parenting and children, housework and paid work, conflict and violence, divorce and remarriage, grandparenting, care giving, and alternative families.

**SOCI 3110 IDENTITY/SELF/SOCIAL INTERACTN 3.0**

Identity, Self, and Social Interaction. Relations between the individual and society, the role of language and social interaction in the socialization of the person, the function of role taking, and identification in the emergence of the self.

**SOCI 3152 BIRTH AND PARENTHOOD 3.0**

Birth and Parenthood. (Same as WSt 3140.) Pregnancy, birth, and parenting; fatherhood and motherhood in a social and historical context.

**SOCI 3156 SEXUALITY AND SOCIETY 3.0**

Sexuality and Society. (Same as WSt 3150.) Social construction of sexuality, examining ways human groups attach meaning to emotions, desires, and relationships. Sexuality across the life course including dating, varieties of sexual relationships, birth control, procreative technologies, sexually transmitted diseases and AIDS, and sex and the law.

**SOCI 3162 AFRICANAMERICAN FAMILY 3.0**

AfricanAmerican Family. (Same as AAS 3000.) Contemporary theories and research on the AfricanAmerican family.

**SOCI 3201 WEALTH, POWER, AND INEQUALITY 3.0**

Wealth, Power, and Inequality. Analysis of social structure and function in terms of class, caste, status, power, and mobility.

**SOCI 3208 WORK AND EMPLOYMENT 3.0**

Work and Employment. Meanings and conditions of work, the social implications of the division of labor, the changing structure of the labor force, and group relationships in industry.

**SOCI 3212 RACE AND ETHNIC RELATIONS 3.0**

Race and Ethnic Relations. The major processes and outcomes that occur when racial or ethnic groups interact. Topics studied are the nature of racism, prejudice, discrimination, cultural pluralism, assimilation, integration, segregation, and immigrant adjustment patterns, as well as methods of resolving problems associated with these phenomena.

**SOCI 3214 AMERICAN RACIALETHNIC GROUPS 3.0**

American RacialEthnic Groups. (Same as Anth 4450.) The nature and implications of racial and cultural diversity in the United States, with emphasis on selected racialethnic groups' social histories, cultures, and socioeconomic positions, and on key social issues that affect their situations.

**SOCI 3216 GENDER AND SOCIETY 3.0**

Gender and Society. (Same as WSt 3130.) Social construction of gender, genderbased stratification, and power dynamics.

**SOCI 3220 ACTIVISM, PROTEST,& REVOLUTION 3.0**

Activism, Protest, and Revolution. Conditions which generate social movements and factors affecting their success or failure. Issues include the timing of rebellion, strategies of protest, and the legacies of activism.

**SOCI 3222 DEVIANT BEHAVIOR 3.0**

Deviant Behavior. Analysis of theories of deviant behavior, study of the

control of deviance, and an examination of selected deviant subcultures.

**SOCI 3224 CRIME AND PUNISHMENT 3.0**

Crime and Punishment. Different approaches to the etiology, treatment, and control of criminal behavior.

**SOCI 3225 YOUTH AND CRIME 3.0**

Youth and Crime. Sociological explanations of delinquency focusing on the socialization process that places adolescents at risk of delinquency, as well as the relationships between the socialization process, the family environment, peer associations, social structure, and delinquency.

**SOCI 3228 THE HOLOCAUST 3.0**

The Holocaust. (Same as Hist 4640.) Historical and social analysis of the mass deprivation and murder of Jews and other people under the policies and auspices of National Socialist Germany, 1933-1945.

**SOCI 3232 POVERTY AND WELFARE 3.0**

Poverty and Welfare. Analysis of social needs and interventions in industrial and postindustrial United States, with an emphasis on the causes of poverty and measures for its alleviation.

**SOCI 3340 POPULATION PROBLEMS 3.0**

Population Problems. Analysis of population from the standpoint of theories, dynamics, composition, fertility, mortality, migration, and economic and social aspects.

**SOCI 3346 DRUG USE AND ABUSE 3.0**

Drug Use and Abuse. Phenomenon of drug use and abuse with consideration of alcohol and other psychoactive drugs, including narcotics, marijuana, psychedelics, stimulants, sedatives, tranquilizers, and delirants.

**SOCI 3350 SOCIAL CHANGE AND THE FUTURE 3.0**

Social Change and the Future. Case studies and theories about the causes and consequences of modern and future social changes. Attention is given to strategies people use to produce social change, methods of forecasting future developments, and experts' ideas of what social patterns to expect in the future.

**SOCI 3352 MENTAL ILLNESS IN THE U.S. 3.0**

Mental Illness in the United States. Mental illness within the context of the larger social environment. Analysis of social and cultural factors in the incidence, recognition, course, and community management of mental health problems.

**SOCI 3354 SOCIOLOGY OF POPULAR CULTURE 3.0**

Sociology of Popular Culture. Effects of popular culture, such as TV, tabloids, and films on western and nonwestern societies; effects of social class on taste.

**SOCI 3356 SEXUAL IDENTITY 3.0**

Sexual Identity. (Same as WSt 3356.) Social construction of gay, lesbian, and bisexual identities, contemporary issues, including types and effects of discrimination based on sexual identity.

**SOCI 3390 SELECTED TOPICS 3.0**

Selected Topics. A maximum of six credit hours may be applied toward the major. May be repeated if topics are different.

**SOCI 3690 HONORS READINGS 1.0 to 6.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Readings on selected topics.

**SOCI 4050 GLOBL PERS ON VIOL AGNST WOMEN 3.0**

Global Perspectives on Violence Against Women. (Same as WSt 4050.)

Comparative course investigating women's experiences of violence inside and outside the home, examining the reasons why women are disproportionately the victims of certain types of violence worldwide. Rates and types of violence against women are compared for various societies and strategies for ending violence explored.

**SOCI 4110 AGING POLICY AND SERVICES 3.0**

Aging Policy and Services. (Same as Gero 4110.) Aging policy, services, and programs emphasizing legislation, funding, planning, the aging network, and the longterm care system.

**SOCI 4116 AGING AND SOCIETY 3.0**

Aging and Society. (Same as WSt 4116 and Gero 4116.) Application of sociological theory and methods to the study of aging in society; the impact of urbanization on the aged and the aged on social institutions.

**SOCI 4122 DEATH, DYING, AND LOSS 3.0**

Death, Dying, and Loss. (Same as Gero 4122.) The process of death and dying, including the social roles of the dying person, the family, and those of the hospital and institutional staff; the social factors influencing death; social functions of bereavement; problems in coping created by medical technology and longevity.

**SOCI 4150 SEXUAL AND INTIMATE VIOLENCE 3.0**

Sexual and Intimate Violence. (Same as WSt 4060.) Societal causes, power dynamics, and policy implications of rape and sexual violence, battery, psychological/emotional abuse, child abuse and neglect, and elder abuse.

**SOCI 4218 POWER AND POLITICS 3.0**

Power and Politics. The relationship between society and the system of government, focusing on the United States, on who rules, and who makes the rules.

**SOCI 4226 URBAN SOCIOLOGY 3.0**

Urban Sociology. Analysis of urban society on the basis of the population, social organization, and social relationships of each.

**SOCI 4230 SOCIOLOGY OF HEALTH AND ILLNESS 3.0**

Sociology of Health and Illness. Social causes and effects of illness; beliefs and behaviors of healthy and sick people; social aspects of health professions training; the social organization and financing of health care; health policy issues such as genetic intervention, organ transplantation, medical technology, and the right to die.

**SOCI 4279 METROPOLITAN ATLANTA 3.0**

Metropolitan Atlanta. (Same as Hist 4320 and Geog 4768.) Interdisciplinary perspective focusing on social, historical, and geographic processes which have shaped the Atlanta region.

**SOCI 4310 ISSUES IN AFRICAN AMERICAN COMMUNITY 3.0**

Issues in the African American Community. (Same as AAS 4000.) Examination of the impact of major societal issues on the African American community.

**SOCI 4311 AFRICAN MALE/FEMALE RELATIONSHIPS 3.0**

African American Male/Female Relationships. (Same as AAS 4030.) Explores historical, social, psychological, and economic factors impacting upon African American relationships. Issues explored include negative images and stereotypes, color, beauty, and pornography; sexgender and role identity, consumerism and narcissism, employment, and others. Gay and lesbian relationships will also be included.

**SOCI 4312 AFRICAN AMERICAN WOMEN IN U.S. 3.0**

African American Women in the United States. (Same as AAS 4100 and WSt 4312.) Contemporary social issues of

African American women. Emphasis on the historical roots of current issues and the interrelationships of gender, race, and class.

**SOCI 4314 COMPLEX SOCIAL INSTITUTIONS 3.0**

Complex Social Institutions. Crossanalysis of institutional structures, with emphasis on bureaucracies, power groupings, and relations with community and society.

**SOCI 4315 GIRLS 3.0**

Girls. (Same as Anth 4320 and WSt 4310.) Feminist analyses of who girls are and how they are socialized in our society. Girls' experiences with social institutions, growth and development issues, self-esteem and body image, sexuality, culture and media, thirdwave feminism, and girls' movements.

**SOCI 4360 RELIGION AND SOCIETY 3.0**

Religion and Society. Religion as a social institution, including its interrelationships with other social institutions and other aspects of society and culture. Analysis of theories of religion and society applied to contemporary religious institutions.

**SOCI 4366 LAW AND SOCIETY 3.0**

Law and Society. Recruitment, training, and practice in the legal professions. Analysis of the legal system as a social process.

**SOCI 4380 EDUCATIONAL SOCIOLOGY 3.0**

Educational Sociology. Sociological foundations of modern education and the relationships of the school as a social institution to family, church, and community institutions. Emphasis will be placed upon the school and social problems related to rapid urban development.

**SOCI 4870 HONORS THESIS: RESEARCH 1.0 to 6.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**SOCI 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Soci 4870, consent of the instructor and Honors Program director. Writing or production of Honors thesis or project.

**SOCI 4980 INTERNSHIP 1.0 to 6.0**

Internship. Combined academic training and professional experience in community agencies. Application required. See department adviser for information, including deadlines for applying.

## SPAN = SPANISH

**SPAN 1001 ELEMENTARY SPANISH I 3.0**

Elementary Spanish I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Spanish.

**SPAN 1002 ELEMENTARY SPANISH II 3.0**

Elementary Spanish II. Prerequisite: Span 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Spanish.

**SPAN 1101 INTENSIVE ELEM SPANISH 6.0**

Intensive Elementary Spanish. Intensive introduction to Spanish, with emphasis on communicative competence, equivalent to Span 1001 and 1002. Not open to native speakers of Spanish.

**SPAN 2001 INTERMEDIATE SPANISH I 3.0**

Intermediate Spanish I. Prerequisite: Span 1002 with grade of C or higher, or equivalent. Continuing development of listening,

speaking, reading, and writing skills through use of audio and video materials as well as literary and nonliterary texts. Introduction to aspects of Spanish culture. Grammar review as needed. Not open to native speakers of Spanish.

**SPAN 2002 INTERMEDIATE SPANISH II 3.0**

Intermediate Spanish II. Prerequisite: Span 2001 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills through use of audio and video materials as well as literary and nonliterary texts. Further introduction to Spanish culture. Grammar review as needed. Not open to native speakers of Spanish.

**SPAN 2101 INTENSIVE INTER SPANISH 6.0**

Intensive Intermediate Spanish. Prerequisite: Span 1002 with grade of C or higher, or equivalent. Intensive exposure to intermediate Spanish with emphasis on communicative competence, equivalent to Span 2001 and 2002. Not open to native speakers of Spanish.

**SPAN 2203 INTERMEDIATE SPANISH III 3.0**

Intermediate Spanish III. Prerequisite: Span 2002 with grade of C or higher, or equivalent. Continuation of Spanish 2002 with emphasis on conversation and composition. Not open to native speakers of Spanish. Not open to students with prior credit for Span 2501.

**SPAN 2213 LAT AMER LIT IN TRANSLATN 3.0**

Latin American Literature in Translation. Representative Latin American fiction, poetry, and drama; selected topics related to their interpretation.

**SPAN 2216 20TH CENT SPAN LIT/TRANS 3.0**

Twentieth Century Spanish Literature in Translation. Readings and discussion of selected works in twentieth century Spanish literature.

**SPAN 2501 INT SPAN III FOR HRITAGE SPKRS 3.0**

Intermediate Spanish III for Heritage Speakers. Prerequisite: placement on basis of departmental exam and/or interview. Review and practice of basic grammatical structures, vocabulary building, and development of appropriate register in the oral and written forms. Designed for, and open only to, Spanish speakers who have not received a formal education in a Spanishspeaking country. Not for students with prior credit in Span 2203.

**SPAN 2901 STUDY ABROAD SPAN I 3.0**

Study Abroad in Spanish I. Prerequisites: Span 1002 with grade of C or higher, or equivalent, and permission of program director. Intermediate level study of communicative skills in Spanish completed at a study abroad location in Spain or Latin America.

**SPAN 2902 STUDY ABROAD SPAN II 3.0**

Study Abroad in Spanish II. Prerequisites: Span 1002 with grade of C or higher, or equivalent, and permission of program director. Intermediate level study of communicative skills in Spanish completed at a study abroad location in Spain or Latin America.

**SPAN 3151 SPANISH FOR READING 3.0**

Spanish for Reading. Introductory course in reading Spanish for translation. Development of reading and translation skills, with survey of grammar. Primarily for graduate students preparing for the Graduate Reading Exam. Does not satisfy any foreign language requirement. Does not count towards major or minor requirement in Spanish.

**SPAN 3303 ADVANCED GRAMMAR I 3.0**

Advanced Grammar I. Prerequisite: Span 2203 with grade of C or higher, or equivalent, or consent of instructor. Span 2203 can be taken simultaneously with Span 3303 with consent of instructor. Intensive review of grammatical structures of most frequent

error occurrence at intermediate level and their application in written form. Intermediate grammatical level is here defined as the average grammatical performance of students who have completed the first five semesters of Spanish at elementary and intermediate levels.

**SPAN 3305 ADV CONVERSATION & COMP 3.0**

Advanced Conversation and Composition. Prerequisite: Span 2203 with grade of C or higher, or equivalent, or consent of instructor. Development of oral and written fluency, vocabulary building, and practice in the patterns of idiomatic Spanish. Not open to native speakers of Spanish.

**SPAN 3307 INTRO STUDY OF LIT TEXTS 3.0**

Introduction to the Study of Literary Texts. Prerequisite: Span 3303 with grade of C or higher, or equivalent, or consent of instructor. Span 3303 can be taken simultaneously with Span 3307 with consent of instructor. Critical reading of selected texts illustrating the major literary genres; terminology and techniques for their analysis and appreciation.

**SPAN 3309 SPAN CULTURE&CIVILIZATION 3.0**

Spanish Culture and Civilization. Prerequisite: Span 3303 with grade of C or higher, or equivalent, or consent of instructor. Historical and cultural aspects of Spain from prehistoric times to the present.

**SPAN 3311 LAT AMER CULTURE & CIVIL 3.0**

Latin American Culture and Civilization. Prerequisite: Span 3303 with grade of C or higher, or equivalent, or consent of instructor. Historical and cultural aspects of Latin America from preColumbian times to the present.

**SPAN 3313 SURVEY OF SPAN LITERATURE 3.0**

Survey of Spanish Literature. Prerequisite: Span 3307 with grade of C or higher. All genres from Medieval through the present.

**SPAN 3315 SURVEY OF LAT AMER LIT 3.0**

Survey of Latin American Literature. Prerequisite: Span 3307 with grade of C or higher. All genres from the Conquest through the present.

**SPAN 3395 STUDY ABROAD 3.0**

Study Abroad. Spanish language and culture in a native environment. Designed specifically for those students participating in the University System of Georgia Study Abroad Programs.

**SPAN 3396 STUDY ABROAD 3.0**

Study Abroad. Spanish language and culture in a native environment. Designed specifically for those students participating in the University System of Georgia Study Abroad Programs.

**SPAN 3397 STUDY ABROAD 3.0**

Study Abroad. Spanish language and culture in a native environment. Designed specifically for those students participating in the University System of Georgia Study Abroad Programs.

**SPAN 3501 ADV SPAN FOR HERITAGE SPKRS 3.0**

Advanced Spanish for Heritage Speakers. Intensive review and practice of complex grammatical structures of Spanish, vocabulary building, and development of reading strategies of various types of texts. Designed for Spanish speakers who have not received a formal education in a Spanishspeaking country. Not open to native speakers. Not for students with prior credit for Span 3303.

**SPAN 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.



**SPAN 4401 INTRO SPANISH LINGUISTICS 3.0**

Introduction to Spanish Linguistics. Prerequisites: Four courses at the 3000/4000 level, including 3303, with grades of C or higher. or consent of instructor. Introduction to all areas of Spanish linguistics: phonetics, phonology, morphology, syntax, historical linguistics, and dialectology.

**SPAN 4403 ADVANCED GRAMMAR II 3.0**

Advanced Grammar II. Prerequisite: Span 3303 with grade of B or higher. Practical followup of grammatical structures of most frequent error occurrence at intermediate level and intensive review of advanced grammatical structures. Open to native, heritage, and nonnative speakers who meet the course requirement.

**SPAN 4405 SPAN FOR INTL BUSNSS I 3.0**

Spanish for International Business I. Prerequisite: Span 3303 with grade of C or higher, or equivalent, or consent of instructor. Business vocabulary and correspondence. Protocol of business environment. Reading and analysis of commercial texts.

**SPAN 4407 SPAN FOR INTL BUSNSS II 3.0**

Spanish for International Business II. Prerequisite: Span 4405 with grade of C or higher, or consent of instructor. Readings in the foreign language of current materials related to business and trade structures, issues, and procedures.

**SPAN 4409 TECHNIQUES OF TRANSLATION 3.0**

Techniques of Translation. Prerequisite: Span 3303 or Span 3501 with grade of C or higher, or equivalent, or consent of instructor. Expansion of vocabulary and introduction to comparative stylistics through translations (EnglishSpanish and SpanishEnglish) of both literary and nonliterary texts.

**SPAN 4420 MED & EARLY REN SPAN LIT 3.0**

Medieval and Early Renaissance Spanish Literature. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Masterpieces of early Spanish epic, drama, and prose to the end of the fifteenth century.

**SPAN 4422 GOLDEN AGE DRAMA 3.0**

Golden Age Drama. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Spanish theater from the early sixteenth century to the end of the seventeenth.

**SPAN 4424 NOVEL OF GOLDEN AGE 3.0**

Novel of the Golden Age. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Forms of prose fiction from the end of the fifteenth century to the end of the seventeenth.

**SPAN 4428 SPAN DRAMA 18TH & 19TH C 3.0**

Spanish Drama of the Eighteenth and Nineteenth Centuries. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Development of drama from neoclassical theater through romantic, eclectic, and postromantic drama of the Generation of 1898.

**SPAN 4430 SPAN NOVEL OF 19TH CENT 3.0**

Spanish Novel of the Nineteenth Century. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Historical novel of the Romantic writers and cuadros de costumbres to the Generation of 1898.

**SPAN 4432 SPAN NOVEL 20TH CENTURY 3.0**

Spanish Novel of the Twentieth Century. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Novels from the Generation of 1898 to the present.

**SPAN 4434 SPAN DRAMA 20TH CENTURY 3.0**

Spanish Drama of the 20th Century. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Plays of major dramatists from the Generation of 1898 to the present.

**SPAN 4436 SPANISH POETRY 3.0**

Spanish Poetry. Prerequisite: Span 3307 with grade of C or higher, or equivalent. An overview of representative poetic movements in Spain from the Golden Age to the present.

**SPAN 4440 SPECIAL TOPICS:SPAN LIT 3.0**

Special Topics in Spanish Literature. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Readings of particular authors, genres, topics not covered by regular courses. May be repeated for credit when topic varies.

**SPAN 4445 LIT FOR INTL BUS STUDENTS 3.0**

Literature for Students of International Business. Economic, social, and political conditions in Spanish speaking countries as they appear in the literature of the region.

**SPAN 4450 SPECIAL TOPICS IN LINGUISTICS 3.0**

Special Topics in Linguistics. Prerequisites: Span 3303 and Span 4401 with grades of C or higher, or consent of instructor. Readings on particular topics and issues in Spanish Linguistics not covered by regular courses. May be repeated when topic varies.

**SPAN 4452 TRADITNL LATIN AMER NOVEL 3.0**

Traditional Latin American Novel. Prerequisite: Span 3307 with grade of C or higher, or equivalent. The Latin American novel of the nineteenth and early twentieth century, including the "indianista" and regional novel.

**SPAN 4454 CONTEMP LATIN AMER NOVEL 3.0**

Contemporary Latin American Novel. Prerequisite: Span 3307 with grade of C or higher, or equivalent. The Latin American novel of the twentieth century to the present, including the "Boom" and "PostBoom" periods.

**SPAN 4456 LATIN AMER SHORT STORY 3.0**

Latin American Short Story. Prerequisite: Span 3307 with grade of C or higher, or equivalent. The evolution of the genre in the nineteenth and twentieth centuries, as manifested in the various schools of romanticism, modernism, realism, naturalism, "vanguardismo," and contemporary trends.

**SPAN 4458 LATIN AMERICAN POETRY 3.0**

Latin American Poetry. Prerequisite: Span 3307 with grade of C or higher, or equivalent. A survey of major currents in poetry from the Colonial period to the present.

**SPAN 4460 LAT AMER LIT REV/SOC CHNG 3.0**

Latin American Literature of the Revolution and Social Change. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Literature written under the influence of revolutionary processes and profound social changes in Latin America, with particular emphasis on representations of history in literature.

**SPAN 4465 PRACTICUM IN SPANISH 3.0**

Practicum in Spanish. Prerequisite: Senior standing or consent of instructor. Directed work in special project; field experience; internships.

**SPAN 4470 SPEC TOP IN LAT AMER LIT 3.0**

Special Topics in Latin American Literature. Prerequisite: Span 3307 with grade of C or higher, or equivalent. Reading on particular authors, genres or topics normally not covered by regular courses. May be taken more than once if topics are different.

**SPAN 4480 SPECIAL TOPS: HISPANIC CULTURE 3.0**

Special Topics in Hispanic Culture. Prerequisites: Span 3303 and either Span 3309 or 3311 with grades of C or higher. Readings on particular topics and issues in Hispanic Culture not covered by regular courses. May be repeated if topics vary.



**SPAN 4490 SENIOR STUDIES 3.0**

Senior Studies. Prerequisites: senior standing, a 3.5 average, and at least nine hours of upperlevel courses in the major.

Extensive reading, discussions, and analysis of a broad spectrum of representative works, covering the most important genres and historical periods.

**SPAN 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**SPAN 4890 CONTEMPORARY MEXICAN FICTION 3.0**

Contemporary Mexican Fiction. An overview of the most influential novels in Mexican culture since 1960, with emphasis on writers such as Rulfo, Fuentes, Poniatowska, Agustin, Pacheco, Mastretta and Esquivel.

**SPCH = SPEECH****SPCH 1000 HUMAN COMMUNICATION 2.0**

Human Communication. An introduction to human communication, including language development, verbal, nonverbal, interpersonal, small group, organizational, public, and intercultural communication. This course may be used as one of the courses required in Area B, Institutional Options.

**SPCH 1010 VOICE & ARTICULATION 3.0**

Voice and Articulation. Principles of phonation and articulation for the development of the speaking voice and correction of defects and mannerisms.

**SPCH 1500 PUBLIC SPEAKING 3.0**

Public Speaking. Preparation and delivery of speeches to inform and to persuade. Special emphasis is placed on the fundamentals of organization, structure, and content of speeches. The student will analyze great American speeches, both historical and contemporary.

**SPCH 2050 MEDIA, CULTURE, AND SOCIETY 3.0**

Media, Culture, and Society. Review of the ways in which mass mediation has transformed culture, politics, and communication. Purpose is to enhance media literacy by assessing current debates over the role of the media in American society. (May be used to fulfill a requirement in core curriculum Area C.)

**SPCH 2500 COMM RESEARCH & INFO TECHNOLOGY 3.0**

Communication Research and Information Technology. (Same as Jour 2500.) Introduction to qualitative and quantitative research methods: introduction to the use of information technology to support the development of research proposals and the analysis and presentation of research results, emphasizing the use of library and online resources for communication research.

**SPCH 2510 DEBATE ACTIVITY 3.0**

Debate Activity. Prerequisite: consent of instructor. Four and onehalf hours lecture and laboratory a week. Participation in all aspects of debating. May be repeated for a maximum of nine hours.

**SPCH 2650 INTERPERSONAL COMMUNICATION 3.0**

Interpersonal Communication. Principles and types of communication in informal face-to-face situations, particularly involving relationships within families and among coworkers and friends.

**SPCH 3000 PHONETICS 3.0**

Phonetics. Prerequisite: Spch 1010 or 1500 with grade of C or higher, or consent of instructor. Training in the pronunciation of Standard American English and the International Phonetic Alphabet.

**SPCH 3010 ADVANCED PUBLIC SPEAKING 3.0**

Advanced Public Speaking. Prerequisite: Spch 1000 or 1500 with grade of C or higher, or consent of instructor. Development of the proper techniques of persuasion, demonstration, and the preparation and delivery of business and professional speeches.

**SPCH 3050 SPEECH COMMUN RESEARCH METHODS 3.0**

Speech Communication Research Methods. Prerequisite: Spch 2500 with grade of C or higher. Introduction to speech communication research methods, including data collection, analysis and interpretation. Specific methods will include observation, focus groups, interviews, experiments, surveys, and content analysis. An introduction to statistics and statistical tests is included as well.

**SPCH 3060 COMMUNICATION LAW 3.0**

Communication Law. The laws as applied to press, film, and telecommunication. A philosophical basis and evolution of legal precedent governing media, slander, privacy, copyright, information access, constitutional issues, and practical limitations of libel. (Journalism majors must take this course under the journalism heading.)

**SPCH 3210 BUSINESS & PROFESSIONAL COMM 3.0**

Business and Professional Communication. Prerequisite: Spch 1500 with grade of C or higher. Theory and practice of oral communication appropriate to business and professional environments, including public and interpersonal communication within organizations.

**SPCH 3450 NONVERBAL COMMUNICATION 3.0**

NonVerbal Communication. Analysis of nonverbal behaviors as human communication messages.

**SPCH 3510 PRINCIPLES OF DEBATE 3.0**

Principles of Debate. Prerequisite: Spch 1010 or 1500 with grade of C or higher, or consent of instructor. A systematic approach to skills necessary for effective argumentative speeches: research, evidential burdens, argument briefing, organization.

**SPCH 3550 ORAL TECHGROUP DECISION MAKNG 3.0**

Oral Techniques of Group Decision Making. Prerequisite: Spch 1010 or 1500 with grade of C or higher, or consent of instructor. Communication strategies useful for small group decision making; techniques for effective leadership and participant roles.

**SPCH 3690 HONORS READINGS 1.0 to 3.0**

Honors Readings. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings in selected topics.

**SPCH 3750 INTERCULTURAL COMMUNICATION 3.0**

Intercultural Communication. Principles and theories of communication across cultures. Topics to be discussed include intercultural communication competence, cultural patterns of communication, verbal and nonverbal dimensions of intercultural communication, and obstacles to intercultural communication.

**SPCH 4250 PERSUASION 3.0**

Persuasion. Psychology of persuasion, propaganda, and the formulation of public opinion.

**SPCH 4400 DEVL P OF COMM/LANG ACROSS LIFE 3.0**

Development of Communication and Language Across the Lifespan. Prerequisite: Spch 1000 with grade of C or higher. Theories, nature, basic behavioral aspects, and constraints of typical communication and language development across the lifespan.

**SPCH 4410 COMMUNICATION DISORDERS 3.0**

Communication Disorders. Prerequisite: Spch 3000 with grade of C or higher. Causes, incidence, assessment, and treatment of

speech, language, and hearing disorders of children and adults. A basic knowledge of the anatomy and physiology of the speech and hearing mechanism is recommended.

**SPCH 4450 RHETORICAL THEORY & CRITICISM 3.0**

Rhetorical Theory and Criticism. Development of critical skills useful for evaluating public discourse, with an emphasis on classical and modern theories of rhetoric.

**SPCH 4460 TOPICS: PUB COMM THEORY/RESEARC 3.0**

Topics in Public Communication Theory and Research. Prerequisite: Spch 4450 with grade of C or higher. Special topics in political communication, the rhetoric of social movements, social argumentation and decision making, and rhetorical theory. May be taken for a maximum of nine credit hours if topics vary.

**SPCH 4470 TOP: INTERPRSNL COMM THRY & RES 3.0**

Topics in Interpersonal Communication Theory and Research. Prerequisite: Spch 2650 with grade of C or higher. Contemporary theory and research in interpersonal communication, including nonverbal behavior, relational communication, intercultural communication, and communication and gender. May be taken for a maximum of nine credit hours if topics

**SPCH 4475 COMMUNICATION & AGING 3.0**

Communication and Aging. A broad overview of the ways in which communication affects, and is affected by, the aging process. Lifespan development and the theory and research in the area of communication and aging.

**SPCH 4480 POLITICAL COMMUNICATION 3.0**

Political Communication. (Same as Jour 4480.) Political communication in the twentieth century, with a focus on the rhetoric of political leaders during campaigns and governance.

**SPCH 4490 COMMUNICATION AND GENDER 3.0**

Communication and Gender. (Same as WSt 4130.) The influence of gender (social definitions of maleness and femaleness) on public, interpersonal, and mass communication.

**SPCH 4500 VISUAL COMMUNICATION 3.0**

Visual Communication. (Same as Jour 4500.) Examination of communication theories that help explain how visual images symbolically interact with audiences. The manifest and latent persuasive functions of visual messages will be explored in a variety of contexts, from the mass media to human interactions.

**SPCH 4510 MEDIA AND POLITICS 3.0**

Media and Politics. (Same as Jour 4510.) Examination of the symbiotic relationship among the media, the political process, and the public. Emphasis on how the media's structures and conventions help identify and frame issues and provide interpretative frameworks for analyzing political messages.

**SPCH 4520 AFRICANAMERICAN RHETORIC 3.0**

AfricanAmerican Rhetoric. (Same as AAS 3480.) Survey of AfricanAmerican contributions to public communication. Emphasis on Afrocentric and traditional approaches to rhetorical theory and criticism.

**SPCH 4530 VOICES: AFRICANAMER FEMINISTS 3.0**

Voices of AfricanAmerican Feminists. (Same as AAS 4530.) Overview of the rhetorical history of AfricanAmerican female political and social activities.

**SPCH 4540 MEDIATION & CONFLICT RESOLUTN 3.0**

Mediation and Conflict Resolution. Three lecture hours per week. Analysis of the role of communication as it relates to mediation and conflict resolution in public and interpersonal contexts. Theoretical concepts and practical applications will be emphasized.

**SPCH 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**SPCH 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Spch 4870 with grade of C or higher and consent of instructor and Honors Program director. Writing or production of honors thesis or project.

**SPCH 4890 SPECIAL PROJECT 3.0**

Special Project. Prerequisites: Nine hours credit in the major and consent of instructor. Individually designed project in speech, utilizing oncampus and field resources. May be repeated for a maximum of six hours.

**SPCH 4980 INTERNSHIP 1.0 to 6.0**

Internship. Prerequisite: eligibility criteria may be obtained from the Department of Communication Internship Coordinator. Representative field experiences in areas related to the speech major.

## SW = SOCIAL WORK

**SW 2000 INTRO TO SOCIAL WORK 3.0**

Introduction to Social Work. A survey of the profession of social work from an historical and contemporary perspective. Examination of the values, knowledge, and skills which characterize all social work practice with emphasis on roles and functions of social work generalists.

**SW 3020 METHODS OF SW RESEARCH 3.0**

Methods of Social Work. Prerequisite: Math 1070. A survey of research methods applicable to social services. Emphasis will be placed on beginning skill in evaluation and research and implication for knowledge-guided practice.

**SW 3320 SOC WELFARE INSTITUTIONS 3.0**

Social Welfare Institutions. An historical examination of social welfare institutions and programs, including social work response to human need.

**SW 3330 HUM BHVR & THE SOC ENV I 3.0**

Human Behavior and the Social Environment I. A study of human behavior as individuals develop over the life span. Knowledge from the biological, social, and behavioral sciences is integrated to provide a comprehensive view of people in their social environment to gain an understanding of their needs.

**SW 3340 HUM BHVR & THE SOC ENV II 3.0**

Human Behavior and the Social Environment II. Prerequisite: SW 3330. Human behavior is studied in the context of families, groups, communities, and organizations. Knowledge of cultural and human diversity is integrated for decision making in social work practice.

**SW 3610 COM SKILLS SOCIAL WORKERS 3.0**

Communication Skills for Social Workers. Communication skills essential for professional social work practice with diverse individuals, groups, families, communities, and organizations. Emphasis on appropriate interviewing skills, recording, and the use of computers to communicate.

**SW 3720 SOCIAL WORK METHODS I 3.0**

Social Work Methods I. Prerequisite: BSW Status. Presents a conceptualization of social work practice. Emphasis is placed upon understanding practice skills, i.e. exploration and data gathering, differential assessment and planning, intervention and evaluation relevant to social work practice with individuals, families, small groups, organizations, and communities.

**SW 3730 SOCIAL WORK METHODS II 3.0**

Social Work Methods II. Prerequisite: SW 3720. Continuation of SW 3720. Emphasis is placed upon integration of theory and the application of research and evaluation to social work practice with individuals, families, small groups, organizations, and communities.

**SW 3930 SOCIAL WELFARE POLICY 3.0**

Social Welfare Policy. Prerequisites: Econ 2105, SW 3320. Application of knowledge, skills, and research to analysis and development of social welfare policy, services, and programs.

**SW 4250 CHILD MALTREATMENT 3.0**

Child Maltreatment. Child abuse and neglect are viewed within an historical and contemporary context with particular emphasis on the medical, legal, social, and cultural aspects of abused and neglected individuals. The meaning of abusive behavior particularly is examined in relation to family systems.

**SW 4260 AGING PRACTICE 3.0**

Aging Practice, Policy and Research Issues. This course is designed to provide the basic knowledge and beginning skills appropriate for social work practice with older persons. Emphasizes biological, sociological, and psychological aspects of the aging process with special attention to the cultural, social, political, and economic factors affecting delivery of social services to the aging.

**SW 4270 SUBSTANCE ABUSE PRACTICE 3.0****SW 4280 COMMUNITY RESOURCES 3.0**

Community Resources and Case Management in Social Work. This course is a service learning course whereby students learn about resources and develop case management skills through active participation in thoughtfully organized experiences within the community.

**SW 4290 CHILD WELFARE PRACTICE 3.0**

Child Welfare Practice, Policy, and Research Issues. This course is an introduction to the range of child welfare services including foster care, adoptions, permanency planning, and family preservation. Students will learn the effects that youth violence, substance abuse, HIV, and homelessness have on service.

**SW 4300 CONTEMP HLTH CHALLENGES 3.0**

Contemporary Health Challenges. This course is designed to introduce students to chronic short and longterm health concerns in our society. The course will address such illnesses as AIDS, hepatitis, tuberculosis, Alzheimers, sexuallytransmitted diseases (STD), and other health issues. The focus of the course will be upon treatment, identification and transmittal, with an examination of the impact of governmental regulations on drugs, the perception of patients, family members, and health care professionals.

**SW 4310 GROUP FACILITATION 3.0**

Group Facilitation. This course is an introduction to social work with groups. The course will focus on skills in social work practice, uses and types of groups, and group composition. Students will become familiar with the scope and limitations of group uses. The use of groups for direct service purpose enhancement of social functioning, achievement of unreached levels of social functioning, or correction of dysfunctional interpersonal or social relationships will be analyzed.

**SW 4320 SOCIAL WORK ADMIN 3.0**

Social Work Administration. An introduction to theory and practice in the administration of social services. Emphasis is on the social worker's role and function as an administrator and on the evaluation of the problems of operation and maintenance in a social service agency.

**SW 4340 SOCIAL WORK & THE LAW 3.0**

Social Work and the Law. An introduction to the law as it applies to social services and social work practice. Using case studies, students will examine problems that the poor, the disadvantaged, and all clients face in confronting the justice system. Attention is given to worker liability and those skills essential for testifying in court and advocating for client's legal rights.

**SW 4360 FORENSIC SOCIAL WORK 3.0**

The course will introduce students to social work issues that are encountered by social workers, attorneys, and other specialists in a forensic setting. The course will include a critical analysis and study of particular social issues and the impact of those issues on the purposes and the effectiveness of organizations and individuals who work within the legal system. The course will address social work skills and ethical issues in a forensic setting.

**SW 4380 DISABILITIES PRACTICE 3.0**

Disabilities Practice, Policy, and Research Issues This course will provide students with the opportunity to develop their knowledge of the impact of both physical and developmental disabilities on individuals and families. Focus is on responses to those disabilities diagnosed at birth or acquired through illness or injury. Emphasis is placed on utilizing appropriate social work interventions, while recognizing such variables as age, socioeconomic status, family constellation, cultural issues, and premorbid conditions. Understanding disabilities from a human rights perspective and the impact of oppression on people with disabilities will be explored. A historical perspective on how disability has been perceived and addressed by societal institutions will be presented.

**SW 4900 SEMINAR ON SW ISSUES 1.0 to 6.0**

Seminar on Social Work Issues and Problems. An examination of problems, current issues, or areas of special interest related to the social work profession.

**SW 4930 FIELD EDUCATION I 6.0**

Field Education I. Prerequisites: Successful completion of all previous social work courses, except SW 3730 or permission from the Director of Field Education. An educationally directed practicum in a social service agency. A generalist approach is applied to guide beginning social work practice with diverse individuals, families, small groups, organizations, and communities. Demonstration of knowledge of professional values, agency structures, and policies. Emphasis on the integration of content from all areas of the curriculum. A fee to cover liability insurance is required.

**SW 4940 FIELD EDUCATION II 6.0**

Field Education II. Prerequisites: Successful completion of Practicum I. A continuation of Practicum I (SW 4930) with greater emphasis on demonstration of assessment, planning, implementation, evaluation, and research skills. Integration and application of knowledge and ethics on the development of skills required for social work practice.

**SW 4950 SELECTED TOPICS IN SW 3.0**

Selected Topics in Social Work. This course will offer knowledge and skills on variable topics that impact social work practice. May be repeated up to six hours if topic varies.

**SW 4990 DIRECTED INDIVIDUAL STUDY 1.0 to 6.0**

Directed Individual Study. This course allows the student to extend his/her knowledge in a particular area through an independent study. A social work faculty member must agree to supervise this study, and it must be approved by the departmental chair.

## SWAH = SWAHILI

### SWAH 1001 ELEMENTARY SWAHILI I 3.0

Elementary Swahili I. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Swahili.

### SWAH 1002 ELEMENTARY SWAHILI II 3.0

Elementary Swahili II. Prerequisite: Swah 1001 with grade of C or higher, or equivalent. Development of basic skills in listening, speaking, reading, and writing; acquisition of grammatical structures. Not open to native speakers of Swahili.

### SWAH 2001 INTERMEDIATE SWAHILI I 3.0

Intermediate Swahili I. Prerequisite: Swah 1002 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills through use of audio and video materials as well as literary and nonliterary texts. Grammar review as needed. Not open to native speakers of Swahili.

### SWAH 2002 INTERMEDIATE SWAHILI II 3.0

Intermediate Swahili II. Prerequisite: Swah 2001 with grade of C or higher, or equivalent. Continuing development of listening, speaking, reading, and writing skills through use of audio and video materials as well as literary and nonliterary texts. Grammar review as needed. Not open to native speakers of Swahili.

## TEXT = TEXTILES

### TEXT 3000 FIBERS, COLORS, DYES, & DYEING 3.0

Fibers, Colors, Dyes, and Dyeing. Fiber identification, synthetic and natural dye technology including indigo dye. Investigation of color mixing based on immersion dye processes including shibori, plangi, tritik, batik, and felt making.

### TEXT 3100 SURFACE DESIGN I 3.0

Surface Design I. Application of repeated surface pattern on fabric. Pasteresist dyeing, mordant dyeing, and direct printing through the use of stencil. Modern and premodern dyes are explored on natural fiber.

### TEXT 3200 WEAVING I 3.0

Weaving I. Exploration of basic fourharness weaves (plain weave, twills, tapestry), warping, dressing loom, drafting, color and weave effects. Computeraided design.

### TEXT 3300 THREE DIMENSIONAL FIBER STRUCT 3.0

ThreeDimensional Fiber Structures. Threedimensional fiber structures based on traditional basket techniques such as coiling, twining, plaiting, and looping, using traditional and nontraditional material. Explores fiber structures of antiquity such as nets, knots knits, sprang, lace, and crochet.

### TEXT 4000 SELECTED TOPICS IN TEXTILES 4.0

Selected Topics in Textiles. Prerequisites: Text 3000 and Text 3100 with grades of C or higher, or consent of instructor. Special topics for studio art majors. May be repeated for a maximum of eight credit hours if topics vary.

### TEXT 4100 SURFACE DESIGN II 4.0

Surface Design II. Exploration of photo screen printing processes for art fabric and yardage. Investigation of repeats, complex surface design processes, color interaction.

### TEXT 4200 WEAVING II 4.0

Weaving II. Prerequisite: Text 3200 with grade of C or higher, or consent of instructor. Twills, twill derivatives, satin, summer and

winter, blocks, double cloth, color, and weave effects using eightharness loom. Computeraided design.

### TEXT 4300 HEAT TRANSFER PRINTING 4.0

Heat Transfer Printing: ThreeDimensional Patterning on Synthetic Fabrics. Prerequisites: Text 3000, 3100, 3200, and 3300 with grades of C or higher. Thermal printing technology and its application on synthetic fiber in threedimensional patterning and contemporary surface design. Design portfolio development, product design, and largescale art fabric.

### TEXT 4500 DIRECTED STUDY: TEXTILE DESIGN 4.0

Directed Study in Textile Design. Prerequisites: Text 3000 and Text 3100 with grades of C or higher, or consent of instructor. Directed study on advanced surface design or individual research into ethnic, historical, and contemporary textile design and techniques in both surface design and weaving. This course may be repeated for up to sixteen credit hours, if the topic varies.

### TEXT 4600 DIGITAL TEXTILE DESIGN 4.0

Digital Textile Design. Prerequisites: Text 3100 with grade of C or higher, or consent of instructor. CAD (Macbased) digital textile design and printing on wide format printer. Repeat design printing on fabric and postprint treatment. Design portfolio development and largescale art fabric. This course may be repeated for a maximum of eight credit hours if topic varies.

### TEXT 4910 HISTORIC TEXTILES 4.0

Historic Textiles. Historical survey of textiles, textile technology, and design on both woven and dyed/printed/painted textiles worldwide. Interrelationship of textile technology and design in a historical and cultural context.

### TEXT 4930 INTERNSHIP IN TEXTILE DESIGN 3.0

Internship in Textile Design. Prerequisite: Text 4500 with grade of C or higher. Supervised internship experience in a professional design studio or textile manufacturing center. This course must be requested one semester in advance.

### TEXT 4940 PORTFOLIO I 3.0

Portfolio I. Prerequisite: Text 4500 with grade of C or higher. Senioreyear studio experience for B.F.A. candidates. Committee review.

### TEXT 4950 PORTFOLIO II 3.0

Portfolio II. Prerequisite: Text 4940 with grade of C or higher, or concurrently. Culminating studio experience for B.F.A. candidates. Committee review.

### TEXT 4980 SPECIAL PROBLEMS 4.0

Special Problems. Prerequisite: consent of instructor. Independent indepth research and studio experience initiated by the student.

## THEA = THEATRE

### THEA 1010 THEATRICAL DESIGN & PRODUCTION 4.0

Theatrical Design and Production. Introduction to theatrical design: scenery, lighting, and costume as they relate to technical production. Scene shop hours required Monday, Wednesday, or Friday from 1:30 5:30.

### THEA 2000 THEATRE WORKSHOP 1.0

Theatre Workshop. Prerequisite: Thea 1010 with grade of C or higher. Theatre majors must repeat this course three times. This course requires students to fulfill a technical theatre assignment on live theatrical productions.



**THEA 2040 INTRO TO THE THEATRE 3.0**

Introduction to the Theatre. Lectures, videos, and live theatre events to introduce the nontheatre major to the basic elements of theatrical production, dramatic writing, and the historical context of the art. Studio and/or shop work required.

**THEA 2210 ACTING I 3.0**

Acting I. Basic acting theories and techniques.

**THEA 3000 LIGHTING DES:THEATR, FILM, TV 4.0**

Lighting Design for Theatre, Film, and Television. Prerequisite for theatre majors: Thea 1010 with grade of C or higher. (Same as Film 3000 and Jour 3000.) Principles, processes, and aesthetics of lighting design for the theatre, film, and television. Lectures, discussion, and design practica aid students in the development of a lighting plot. Production crew work required.

**THEA 3100 PLAY ANALYSIS 3.0**

Play Analysis. A variety of tools for the analysis of play texts for use in the theatre by actors, directors, designers, and playwrights. Application to plays from a number of historical periods.

**THEA 3210 ACTING II 3.0**

Acting II. Prerequisite: Thea 2210 with grade of C or higher, or consent of instructor. Continuation of the study of the theories of acting with practice in applying techniques and skills.

**THEA 3300 DRAMATIC WRITING 3.0**

Dramatic Writing for Stage and Screen. Prerequisite: consent of instructor. (Same as Film 3300.) Basic principles of generating creative concepts, writing in dialogue form, dramatic structure, characterization, and using page formats for both play and screenplay. Students will write short pieces in both forms.

**THEA 3690 HONORS READINGS 1.0 to 3.0**

Honors Reading. Prerequisites: consent of the instructor and Honors Program director. Discussion and readings on selected topics.

**THEA 4000 ACTING FOR THE CAMERA 4.0**

Acting for the Camera. Prerequisite: Thea 2210 with grade of C or higher. (Same as Film 4000.) Two lecture and two laboratory hours a week. Acting theory and practice related to film and television acting and performance. Course will require significant unscheduled collaborative class activity. Students must bear the cost of all materials and services required for the completion of class projects and assignments.

**THEA 4050 DIRECTED ACTIVITIES IN TECHNICAL THEATRE 1.0 to 3.0**

Directed Activities in Technical Theatre. Prerequisites: Thea 1010 with grade of C or higher and consent of instructor. Performance of assigned theatre project, or production or design position in a Georgia State theatre production. May be repeated for a maximum of nine credit hours.

**THEA 4070 WESTERN THEATRE HISTORY 3.0**

Western Theatre History. Western theatre history from the Greeks to the present, including theatre design, performance and production techniques, and representative plays.

**THEA 4080 NONWESTERN THEATRE HISTORY 3.0**

NonWestern Theatre History. Nonwestern theatre history and forms in Native American, Asian, African, and Oceanic cultures, including theatre design, performance and production techniques, and representative plays.

**THEA 4090 AFRICANAMERICAN THEATRE 3.0**

AfricanAmerican Theatre. (Same as AAS 4650.) Examination of the history and contributions of AfricanAmericans to the American theatre.

**THEA 4150 CREATIVE DRAMATICS 3.0**

Creative Dramatics. Dramatic techniques and activities for teachers, group workers, recreation majors, actors, directors, and others dealing with children, teens, and other special populations.

**THEA 4210 ACTING STYLES 3.0**

Acting Styles. Prerequisite: Thea 3210 with grade of C or higher. Advanced acting techniques for the creation and performance of various dramatic forms. Specific topics will change. Can be repeated for a maximum of twelve (12) hours, if topics vary.

**THEA 4310 ADVANCED PLAYWRITING 3.0**

Advanced Playwriting. Prerequisite: Thea 4300 with grade of C or higher. Continuation of study and practice of dramatic writing for the stage. Students will learn fulllength dramatic structure, play development, and will write one fulllength play.

**THEA 4650 AMERICAN MUSICAL THEATRE 3.0**

American Musical Theatre. (Same as Mus 4650.) History and practice of American musical theatre, origins to present.

**THEA 4760 PERFORMANCE THEORY & PRACTICE 3.0**

Performance Theory and Practice. Prerequisite: Thea 4070 or 4080 with grade of C or higher. Major twentiethcentury ideas about live performance, from ritual to theatre, and their application to the criticism and creation of performance and plays.

**THEA 4850 DIRECTING 3.0**

Directing. Prerequisites: Thea 2210 with grade of C or higher, nine hours of major credit, or consent of instructor. Theory and analysis for directing theatrical productions, including practical exercises and directing a oneact play.

**THEA 4860 SPECIAL TOPICS 3.0**

Special Topics. Prerequisite: consent of instructor. Special topics in theatre performance and playwriting.

**THEA 4870 HONORS THESIS: RESEARCH 3.0**

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Reading or research preparatory to honors thesis or project.

**THEA 4880 HONORS THESIS: WRITING 3.0 to 6.0**

Honors Thesis: Writing. Prerequisites: Thea 4870 with grade of C or higher, consent of instructor or Honors Program director. Writing or production of honors thesis or project.

**THEA 4890 SPECIAL PROJECT 3.0**

Special Project. Prerequisites: Nine hours major credit and consent of instructor. Independent study in theatre. May be repeated to a maximum of six hours.

**THEA 4930 GENDER AND PERFORMANCE 3.0**

Gender and Performance. Examination of gender as a factor in the history, theory, criticism, and creation of all forms of live performance, from ritual to theatre.

**THEA 4950 SENIOR COLLABORATIVE SEMINAR 3.0**

Senior Collaborative Seminar. Prerequisite: consent of instructor. Course may be repeated once with consent of instructor. Students will collaborate in writing, directing, and performing a theatre event.

**THEA 4980 INTERNSHIP 1.0 to 6.0**

Internship. Prerequisite: eligibility criteria may be obtained from the Department of Communication Internship coordinator. Representative field experiences in theatre and related areas.



## TURK = TURKISH

### **TURK 1001 ELEMENTARY TURKISH I 3.0**

Elementary Turkish I. Development of basic communication skills in modern spoken Turkish. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Turkish.

### **TURK 1002 ELEMENTARY TURKISH II 3.0**

Elementary Turkish II. Development of basic communication skills in modern spoken Turkish. Introduction to the system of writing, the reading of simple texts, and basic grammatical structures. Not open to native speakers of Turkish.

### **TURK 2001 INTERMEDIATE TURKISH I 3.0**

Intermediate Turkish I. Prerequisite: Turk 1002 with grade of C or higher, or equivalent. This course emphasizes the continuing development of communicative skills, further work with the writing system, reading of simple authentic texts and understanding of intermediate grammatical structures.

### **TURK 2002 INTERMEDIATE TURKISH II 3.0**

Intermediate Turkish II. Prerequisite: Turk 2001 with grade of C or higher, or equivalent. This course emphasizes the continuing development of communicative skills, further work with the writing system, reading of simple authentic texts and understanding of intermediate grammatical structures.

### **TURK 4500 TURKEY STUDY ABROAD 3.0**

Turkey Study Abroad. In this course students will explore Turkey's culture and history through direct field experience in the country. Students will visit the grand city of Istanbul and other key sites around the country. Turkish language competency is not required.

## WST = WOMEN'S STUDIES

### **WST 2010 INTRO TO WOMEN'S STUDIES 3.0**

Introduction to Women's Studies. History and purposes of women's studies, basic concepts, and issues.

### **WST 3000 AFRICANAMERICAN FAMILY 3.0**

AfricanAmerican Family. Prerequisite: WSt 2010. (Same as Soci 3162 and AAS 3000.) Contemporary theories and research of the AfricanAmerican family.

### **WST 3010 FEMINIST THEORIES 3.0**

Feminist Theories. Prerequisite: WSt 2010. Introduction to contemporary debates in U.S. feminist theories and impact of increasing globalization on understandings of gender/sexuality.

### **WST 3120 FAMILIES AND SOCIETY 3.0**

Families and Society. Prerequisite: WSt 2010. (Same as Soci 3101.) Key concepts and processes of family sociology with application to sexuality, partner selection, transition to parenthood, parenting and children, housework and paid work, conflict and violence, divorce and remarriage, grandparenting, care giving, and alternative families.

### **WST 3130 GENDER AND SOCIETY 3.0**

Gender and Society. Prerequisite: WSt 2010. (Same as Soci 3216.) Social construction of gender, genderbased stratification, and power dynamics.

### **WST 3140 BIRTH AND PARENTHOOD 3.0**

Birth and Parenthood. Prerequisite: WSt 2010. (Same as Soci 3152.) Pregnancy, birth, and parenting; fatherhood and motherhood in a social and historical context.

### **WST 3150 SEXUALITY AND SOCIETY 3.0**

Sexuality and Society. Prerequisite: WSt 2010. (Same as Soci 3156.) Social construction of sexuality, examining ways human groups attach meaning to emotions, desires, and relationships. Sexuality across the life course including dating, varieties of sexual relationships, birth control, procreative technologies, sexually transmitted diseases and AIDS, and sex and the law.

### **WST 3356 SEXUAL IDENTITY 3.0**

Sexual Identity. Prerequisite: WSt 2010. (Same as Soci 3356.) Social construction of gay, lesbian, and bisexual identities, contemporary issues, including types and effects of discrimination based on sexual identity.

### **WST 3960 AFRICAN LITERATURE BY WOMEN 3.0**

AfricanAmerican Literature by Women. Prerequisite: WSt 2010. (Same as AAS 3960 and Engl 3960.) A survey of literature from the eighteenth century to the present. Includes such authors as Wilson, Wheatley, Larsen, Hurston, Dove, Hansberry and Morrison.

### **WST 3980 WOMEN'S LITERATURE I 3.0**

Women's Literature I. Prerequisite: WSt 2010. (Same as Engl 3980.) Selected works by women writers before 1800. May include such writers as Julian of Norwich, Christine de Pisan, Elizabeth I, Margaret Sidney, Behn, Burney, Wollstonecraft, and Austen.

### **WST 3990 WOMEN'S LITERATURE II 3.0**

Women's Literature II. Prerequisite: WSt 2010. (Same as Engl 3990.) Selected works by women writers after 1800. Multicultural and inclusive in scope. May include such writers as Mary Shelley, the Brontës, Dickinson, Cather, Woolf, Emecheta, Hurston, Morrison, and Esquivel.

### **WST 3995 FEMINIST LITERARY CRITICISM 3.0**

Feminist Literary Criticism. Prerequisite: WSt 2010. (Same as Engl 3995.) Critical approaches to the varieties of feminist thinking that influence studies of language, literature, and culture. Individual courses will vary in focus; topics and writers may range from the medieval period to the present. Multicultural perspectives on issues of gender, race, and class emphasized.

### **WST 4020 GENDER IN CRIMINAL JUSTICE 3.0**

Gender in Criminal Justice. Prerequisite: WSt 2010. (Same as CrJu 4010.) An examination of gender issues and the role they play in various aspects of the criminal justice system: policing, courts, and corrections.

### **WST 4040 GEN/RACE/CLASS IN COMPLEX SOC 3.0**

Gender, Race, and Class in Complex Societies. Prerequisites: WSt 2010 and Anth 2020, or consent of instructor. (Same as Anth 4040.) Experiential learning in the urban setting through direct exposure to and experience in an ethnic community. Informed awareness of the knowledge, attitudes, and practices of ethnic communities within the community and larger society.

### **WST 4050 GLOBAL PERS ON VIOLENCE AGAINST WOM 3.0**

Global Perspectives on Violence Against Women. Prerequisite: WSt 2010. (Same as Soci 4050.) Comparative course investigating women's experiences of violence inside and outside of the home, examining the reasons why women are disproportionately the victims of certain types of violence worldwide. Rates and types of violence against women are compared for various societies and strategies for ending violence explored.

### **WST 4060 SEXUAL AND INTIMATE VIOLENCE 3.0**

Sexual and Intimate Violence. Prerequisite: WSt 2010. (Same as Soci 4150.) Societal causes, power dynamics, and policy implications of rape and sexual violence, battery, psychological/emotional abuse, child abuse and neglect, and elder abuse.

**WST 4070 FAM VIOLENCE & CRIM JUSTICE 3.0**

Family Violence and Criminal Justice. Prerequisite: WSt 2010. (Same as CRJU 4070.) This course examines how the justice system responds to family violence.

**WST 4110 AFRICANAMER FEMALE ACTIVISM 3.0**

AfricanAmerican Female Activism. Prerequisite: WSt 2010. (Same as AAS 4080.) Overview of AfricanAmerican women's resistance to racial oppression and gender inequality.

**WST 4116 AGING AND SOCIETY 3.0**

Aging and Society. Prerequisite: WSt 2010. (Same as Soci 4116 and Gero 4116.) Application of sociological theory and methods to the study of aging in society; the impact of urbanization on the aged and the aged on social institutions.

**WST 4130 COMMUNICATION AND GENDER 3.0**

Communication and Gender. Prerequisite: WSt 2010. (Same as Spch 4490.) The influence of gender (social definitions of maleness and femaleness) on public, interpersonal, and mass communication.

**WST 4150 WOMEN AND MEDIA 3.0**

Women and Media. Prerequisite: WSt 2010. (Same as Jour 4780.) Critical and analytical approaches applicable to the study of women in the media. Emphasis on research methods appropriate for analyzing mediated representations of women and the impact of those images on women in society.

**WST 4210 WOMEN IN CROSSCULTURAL PERSP 3.0**

Women in CrossCultural Perspective. Prerequisites: WSt 2010, and Anth 2020 with grade of C or higher, or consent of instructor. (Same as Anth 4420.) Range of behavior patterns, status, roles, and symbols linked to gender in human cultures and societies. Biological, psychological, and cultural similarities and differences among women worldwide are examined in holistic and comparative analysis.

**WST 4310 GIRLS 3.0**

Girls. Prerequisite: WSt 2010. (Same as Anth 4320 and Soci 4315.) Feminist analyses of who girls are and how they are socialized in our society. Girls' experiences with social institutions, growth and development issues, selfesteem and body image, sexuality, culture and media, thirdwave feminism, and girls' movements.

**WST 4312 AFRICANAMER WOMEN IN THE US 3.0**

AfricanAmerican Women in the U.S. Prerequisite: WSt 2010. (Same as AAS 4100 and Soci 4312.) Contemporary social issues of black women. Emphasis on the historical roots of current issues and the interrelationships of gender, race, and class.

**WST 4340 GENDER AND FILM 3.0**

Gender and Film. Prerequisite: WSt 2010. (Same as Film 4340.) Examines representations of gender in film and media from a variety of analytical perspectives as a way to understand social relations and cultural practices.

**WST 4360 PHIL PERSPECTIVES ON WOMEN 3.0**

Philosophical Perspectives on Women. Prerequisite: WSt 2010. (Same as Phil 4860.) Classical and contemporary issues concerning women, such as discrimination on the basis of gender, class, race, or sexuality, whether gender is natural or constructed, and historical roots of feminist and antifeminist perspectives.

**WST 4370 WOMEN AND RELIGION 3.0**

Women and Religion. Prerequisite: WSt 2010. (Same as RelS 4270.) Multicultural exploration of the role of women and female divinities in diverse religious traditions; readings from ancient myths to contemporary feminist theology.

**WST 4440 WOMEN IN AMERICA 4.0**

Women in America. Prerequisite: WSt 2010. (Same as Hist 4250.) Issues involving American women from the seventeenth century to the present. Topics include women's changing economic role, the family, religion, race and ethnicity, the struggle for legal and political equality.

**WST 4450 AFRICANAMERICAN WOMEN 4.0**

AfricanAmerican Women. Prerequisite: WSt 2010. (Same as AAS 4660 and Hist 4260.) African history and culture, the coming of Africans to the Americas, and the development of AfricanAmerican culture.

**WST 4470 VISUAL CULTURE 4.0**

Visual Culture. Prerequisite: WSt 2010. (Same as Anth 4470.) Study of the visual politics of social organization with emphasis on the images and the arenas of everyday life in North American culture. Includes explorations of the fashion system, the medical body, the cosmetic and fitness industry, visual colonialism, museum displays, and high and popular art.

**WST 4510 FEMINIST POLITICAL THEORY 3.0**

Feminist Political Theory. Prerequisite: WSt 2010. (Same as PolS 4510.) This course is divided into three sections. The first is an overview of the treatment of women in Western political thought. The second is an analysis of five strands of feminist thinking: liberal, Marxist, socialist, radical, and postmodern. The third is a more detailed look at a few particular authors, including de Beauvoir, Gilligan, hooks, and MacKinnon.

**WST 4520 FEMINISM AND TECHNOLOGY 3.0**

Feminism and Technology. Prerequisite: WSt 2010. (Same as Engl 4520.) Examines recent feminist cultural studies of science and technology. May include feminist theories of science, women's technological work, and cyberfeminism, and may require projects involving film, popular culture, new media, and online activism.

**WST 4590 CULTURAL STUDIES OF GENDER 3.0**

Cultural Studies of Gender. Prerequisite: WSt 2010. Introduces students to cultural studies as a methodological approach to studying gender and culture. The topics vary each year; however, the course will consistently examine how popular culture provides a means for understanding social negotiation, politics and identity construction that people enact in everyday activities with a special focus on the role of gender.

**WST 4620 PSYCHOLOGY OF WOMEN 3.0**

Psychology of Women. Prerequisites: WSt 2010, and Psyc 1101 with grade of D or higher, or consent of instructor. (Same as Psyc 4620.) Historical and developmental themes regarding the psychology of women, issues of capacities, choices, stereotypes, status, psychological adjustment, and diversity in women.

**WST 4650 WOMEN IN EUROPE SINCE 1500 4.0**

Women in Europe since 1500. Prerequisite: WSt 2010. (Same as Hist 4650.) Methods and theories of women's history; ideologies of gender and sexuality; women's experiences in religion, work, the family, politics, war, and revolution.

**WST 4740 WOMEN ARTISTS 3.0**

Women Artists. Prerequisite: WSt 2010. (Same as AH 4750.) A survey of women artists from prehistory to the present.

**WST 4750 BLACK FEMINIST THOUGHT 3.0**

Black Feminist Thought. Prerequisites: WSt 2010. Explores the tradition of Black feminism in the nineteenth and twentieth centuries. Students will critically read, discuss, and respond in writing to a series of texts representing Black feminist thought and its relationship to other feminisms. Students will be expected to

demonstrate their knowledge of the Black feminist tradition and their ability to query, compare, and extend Black feminist theories.

**WST 4760 ACTIVISM: HISTORY AND THEORY 3.0**

Activism: History and Theory. Prerequisite: WSt 2010. theoretical and historical perspectives on activism, focusing on how various types of activism are intertwined, the emergence of secondwave feminism within the context of civil rights and antiwar movements, and current feminist activism within broader social justice frameworks. Students are required to spend a specified number of hours per week working on an activist project.

**WST 4772 WOMEN IN AFRICA 3.0**

Women in Africa. Prerequisite: WSt 2010. (Same as AAS 4772 and Hist 4772.) An examination of African women's roles in domestic production, their relationship to the state, and the effect of social change on women from the precolonial period to the contemporary era.

**WST 4780 AFRICAN LESB & GAY ACTIVISM 3.0**

AfricanAmerican Lesbian and Gay Activism. Prerequisite: WSt 2010. (Same as AAS 4780.) Examines the speeches, writings, and other public communication of AfricanAmerican lesbians and gay men who promote democratic ideals. Surveys historical and contemporary issues confronting this marginalized population. Emphasis on thematic and cultural critical approaches.

**WST 4790 WOMANISM 3.0**

Womanism. Prerequisites: WSt 2010 and one of the following: WSt 3010, WSt 4750, WSt 4780, WSt 4110, AAS 4080, WSt 4450, AAS 4660, Hist 4260, WSt 4010, AAS 4530, Spch 4530, WSt 4312, AAS 4100, or Soci 4312. Explores womanism as a perspective distinct from feminism. Examines the multiple origins of womanism within global Africana discourse. Covers theoretical and activist dimensions of womanism across multiple disciplines and in popular culture.

**WST 4810 FEMINISM AND FOUCAULT 3.0**

Feminism and Foucault. Prerequisite: WSt 2010. Provides a broad overview of the works of the French philosopher, Michel Foucault, and emphasizes feminist/womanist use of his theories and methods to analyze domination and resistance.

**WST 4820 FEMINISM AND QUEER THEORY 3.0**

Feminism and Queer Theory. Prerequisite: WSt 2010. Analyzes the relations of sexuality and gender identity, as well as the interrelationships among these identities and other institutions, such as capitalism, globalization, art and performance, the law, media, and academia.

**WST 4830 CLASS MATTERS 3.0**

Class Matters. Prerequisite: WSt 2010. Investigates the complexities of class in the U.S., where it is elusive because we often imagine ourselves free from the fixed hierarchies of other societies or, at the very least, overestimate our class mobility. Connects issues of social stratification to other systemic oppressions, such as race and gender, in the context of increasing globalization.

**WST 4870 HONORS THESIS:RESEARCH 1.0 to 6.0**

Honors Thesis: Research. Prerequisites: WSt 2010 and consent of the instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

**WST 4880 HONORS THESIS: WRITING 1.0 to 6.0**

Honors Thesis: Writing. Prerequisites: WSt 2010, WSt 4870, and consent of the instructor and Honors Program director. Writing or production of honors thesis or project.

**WST 4910 SPECIAL TOPICS 3.0**

Special Topics. Prerequisite: WSt 2010. Intensive treatment of

specified topics in women's studies. May be repeated for credit if topic varies.

**WST 4912 SPEC TOPICS IN WOMEN'S STUDIES 4.0**

Special Topics in Women's Studies. Prerequisite: WSt 2010. Intensive treatment of specified topics in women's studies. May be repeated for credit if topic varies.

**WST 4920 SENIOR RESEARCH 3.0**

Senior Research. Prerequisites: WSt 2010 and 3010. Opportunity to do advanced work on a chosen topic. May be repeated to a maximum of six hours.

**WST 4950 INTERNSHIP 3.0**

Internship. Prerequisites: WSt 2010 and 3010. Opportunity to combine academic study with practical experience in an organizational setting specializing in attention to women's or genderrelated issues. A paper and a journal are required.

# 10,000 Administration and Faculty

## 10,010 The University System of Georgia

The University System of Georgia includes all state-operated institutions of higher education in Georgia; four research universities, two regional universities, 13 state universities, three state colleges, and 13 two-year colleges. These 35 public institutions are located throughout the state.

A 18-member constitutional Board of Regents governs the University System, which has been in operation since 1931. Appointments of board members, five from the state-at-large and one from each of the state’s thirteen congressional districts, are made by the governor and are subject to confirmation by the State Senate. Regular terms of board members are seven years.

The chairperson, vice chairperson, and other officers of the Board of Regents are elected by the members of the board. The chancellor, who is not a member of the board, is the chief executive officer of the board and the chief administrative officer of the University System.

The overall programs and services of the University System are offered through three major components: instruction, public service and continuing education, and research.

Instruction consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates.

Standards for admission of students to instructional programs at each institution are determined by the institution pursuant to policies of the Board of Regents. The board establishes minimum standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed to the institutions.

Public service and continuing education consist of non-degree activities, primarily, and special types of college degree credit courses. The non-degree activities include short courses, seminars, conferences, and consultative and advisory services in many areas of interest. Typical college degree credit courses are those offered through extension center programs and teacher education consortiums.

Research encompasses scholarly investigations conducted for discovery and application of knowledge. Most of the research is conducted through the universities; however, some of it is conducted through several of the senior colleges. The research investigations cover matters related to the educational objectives of the institutions and to general social needs.

The policies of the Board of Regents provide a high degree of autonomy for each institution. The executive head of each institution is the president, whose election is recommended by the chancellor and approved by the board.

Send correspondence to:  
The University System of Georgia  
270 Washington Street, SW  
Atlanta, Georgia 30334

### 10,010.10 Units Research Universities

|         |                                 |
|---------|---------------------------------|
| Athens  | University of Georgia           |
| Atlanta | Georgia Institute of Technology |
| Atlanta | Georgia State University        |
| Augusta | Medical College of Georgia      |

### Regional Universities

|            |                             |
|------------|-----------------------------|
| Statesboro | Georgia Southern University |
| Valdosta   | Valdosta State University   |

### State Universities

|            |                                       |
|------------|---------------------------------------|
| Albany     | Albany State University               |
| Americus   | Georgia Southwestern State University |
| Augusta    | Augusta State University              |
| Carrollton | University of West Georgia            |

|               |                                            |
|---------------|--------------------------------------------|
| Columbus      | Columbus State University                  |
| Dahlonega     | North Georgia College and State University |
| Fort Valley   | Fort Valley State University               |
| Marietta      | Kennesaw State University                  |
|               | Southern Polytechnic State University      |
| Milledgeville | Georgia College and State University       |
| Morrow        | Clayton State University                   |
| Savannah      | Armstrong Atlantic State University        |
|               | Savannah State University                  |

### State Colleges

|               |                          |
|---------------|--------------------------|
| Dalton        | Dalton State College     |
| Lawrenceville | Georgia Gwinnett College |
| Macon         | Macon State College      |

### Two-Year Colleges

|             |                                      |
|-------------|--------------------------------------|
| Albany      | Darton College                       |
| Atlanta     | Atlanta Metropolitan College         |
| Bainbridge  | Bainbridge College                   |
| Barnesville | Gordon College                       |
| Brunswick   | Coastal Georgia Community College    |
| Cochran     | Middle Georgia College               |
| Decatur     | Georgia Perimeter College            |
| Douglas     | South Georgia College                |
| Gainesville | Gainesville State College            |
| Rome        | Georgia Highlands College            |
| Swainsboro  | East Georgia College                 |
| Tifton      | Abraham Baldwin Agricultural College |
| Waycross    | Waycross College                     |

### Independent Research Unit

|          |                                    |
|----------|------------------------------------|
| Savannah | Skidaway Institute of Oceanography |
|----------|------------------------------------|

## 10,020 The Board of Regents

### 10,020.10 Members

|                                          |                |           |
|------------------------------------------|----------------|-----------|
| Hugh A. Carter, Jr., Atlanta             | State-at-Large | 2000-2009 |
| Felton A. Jenkins, Madison               | State-at-Large | 2006-2013 |
| Doreen Stiles Poitevint, Bainbridge      | State-at-Large | 2004-2011 |
| Donald M. Leeborn, Jr., McDonough        | State-at-Large | 2005-2012 |
| William H. Cleveland, Atlanta            | State-at-Large | 2001-2009 |
| W. Mansfield Jennings, Jr., Hawkinsville | 1st District   | 2006-2013 |
| Julie Ewing Hunt, Tifton                 | 2nd District   | 2004-2013 |
| Benjamin J. Tarbutton, Sandersville      | 3rd District   | 2006-2013 |
| Wanda Yancey Rodwell, Stone Mountain     | 4th District   | 2005-2012 |
| Elridge W. McMillan, Atlanta             | 5th District   | 2003-2010 |
| Michael J. Coles, Kennesaw               | 6th District   | 2001-2008 |
| Richard L. Tucker, Lawrenceville         | 7th District   | 2005-2012 |
| Robert F. Hatcher, Macon                 | 8th District   | 2006-2013 |
| Patrick S. Pittard, Atlanta              | 9th District   | 2003-2008 |
| James R. Jolly, Dalton                   | 10th District  | 2003-2008 |



|                             |               |           |
|-----------------------------|---------------|-----------|
| Willis J. Potts, Rome       | 11th District | 2006-2013 |
| J. Timothy Shelnut, Augusta | 12th District | 2000-2007 |
| Allan Vigil, Morrow         | 13th District | 2003-2010 |

## 10,020.20 Officers and Administrative Staff

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Demetra Morgan, Executive Assistant to the Chancellor  
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Jennifer Fairchild-Pierce, Associate Secretary to the Board  
Ronald B. Stark, Chief Audit Officer & Associate Vice Chancellor, Internal Audit

Thomas E. Daniel, Interim Chief Operating Officer & Executive Vice Chancellor—Office of Administrative & Fiscal Affairs

Elizabeth E. Neely, Associate Vice Chancellor—Legal Affairs  
J. Burns Newsome, Assistant Vice Chancellor—Legal Affairs (Prevention)  
Daryl Griswold, Assistant Vice Chancellor—Legal Affairs (Contracts)  
Dorothy Roberts, Interim Associate Vice Chancellor—Human Resources  
Sherea Frazer, Director of Human Resources  
Lamar Veatch, Assistant Vice Chancellor—Georgia Public Library Service  
Joy Hymel, Executive Director—Office of Economic Development  
Terry Durden, Director of ICAPP Operations  
John Millsaps, Interim Associate Vice Chancellor—Media and Publications  
Diane Payne, Director of Publications  
Linda M. Daniels, Vice Chancellor—Facilities  
Peter J. Hickey, Assistant Vice Chancellor—Real Properties  
Sharon Britton, Acting Assistant Vice Chancellor—Design and Construction  
Alan Travis, Director of Planning  
Mark Demyanek, Director of Environmental Safety  
William Bowes, Vice Chancellor—Office of Fiscal Affairs  
Usha Ramachandran, Assistant Vice Chancellor—Fiscal Affairs  
David Dickerson, Assistant Budget Director  
Sherea Frazer, Executive Director of Human Resources, Payroll & Benefits  
Debra Lasher, Executive Director—Business and Financial Affairs  
Mike McClearn, Director of University System Purchasing  
Lee Wates, Assistant Director—Financial Services and Systems

Beheruz N. Sethna, Interim Chief Academic Officer & Executive Vice Chancellor—Office of Academics  
Frank A. Butler, Vice Chancellor—Academics, Faculty and Student Affairs  
Daniel W. Rahn, Senior Vice Chancellor—Health and Medical Programs & President, Medical College of Georgia  
Bettie Horne, Interim Associate Vice Chancellor—Faculty Affairs  
Tonya Lam, Associate Vice Chancellor—Student Affairs  
Marcie Middleton, Director of Academic Program Coordination  
Jan Kettlewell, Associate Vice Chancellor—P-16 Initiatives/Executive Director of USG Foundation  
Dorothy Zinsmeister, Assistant Vice Chancellor—Academic Affairs/Associate Director for Higher Education, PRISM Initiative  
Richard C. Sutton, Senior Adviser for Academic Affairs/Director-International Programs  
Cathie M. Hudson, Associate Vice Chancellor—Strategic Research and Analysis  
Anoush Pisani, Senior Research Associate  
Susan Campbell, Policy Research Associate

Tom Maier, Interim Vice Chancellor—Information and Instructional Technology/CIO  
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Kris Biesinger, Assistant Vice Chancellor—Advanced Learning Technologies

Diane Chubb, Associate Director of Special Projects  
 Brian Finnegan, Director of Emerging Instructional Technologies  
 Catherine Finnegan, Associate Director of Assessment and Public Information  
 David Disney, Director of Information Services  
 John Graham, Executive Director—Enterprise Applications Systems  
 Matthew Kuchinski, Director of System Office Systems Support  
 Ray Lee, Director of Information & Web Services  
 Merryll Penson, Executive Director—Library Services  
 John Scoville, Executive Director—Enterprise Infrastructure Services  
 Jessica Somers, Executive Director of Academic Innovation  
 Lisa Striplin, Director of Administrative Services

## 10,030 Georgia State University Administration

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Ronald J. Henry, Ph.D., Provost and Vice President for Academic Affairs

Nancy E. Peterman, B.A., Vice President for Development  
 Thomas C. Lewis, B.S., Vice President for External Affairs  
 Jerry J. Rackliffe, M.B.A., Vice President for Finance and Administration  
 Robert D. Morris, Ph.D., Vice President for Research  
 Douglass F. Covey, Ph.D., Vice President for Student Services

Roy W. Bahl, Jr., Ph.D., Dean, Andrew Young School of Policy Studies  
 Lauren B. Adamson, Ph.D., Dean, College of Arts and Sciences  
 Fenwick H. Huss, Ph.D., Dean, J. Mack Robinson College of Business  
 Ronald P. Colarusso, Ed.D., Dean, College of Education  
 Susan J. Kelley, Ph.D., Dean, College of Health and Human Sciences  
 Steven J. Kaminshine, J.D., Dean, College of Law  
 Charlene S. Hurt, M.L., Dean, Libraries

J.L. Albert, M.S., Associate Provost for Information Systems and Technology  
 Joan G. Carson, Ph.D., Associate Provost for Institutional Effectiveness  
 William J. Fritz, Ph.D., Associate Provost for Academic Programs  
 John F. Hicks, M.A., Assistant Provost for International Affairs

Elizabeth R. Jones, M.B.A., Acting Associate Vice President for Finance  
 Robert H. Curry, Ph.D., Associate Vice President for Research Integrity  
 Amy R. Lederberg, Ph.D., Associate Vice President for Research  
 Dene H. Sheheane, M.B.A., Associate Vice President for State Relations  
 Rebecca Y. Stout, Ph.D., Associate Vice President for Student Services and Dean of Students

Wayne E. Reed, M.S.M., Assistant Vice President for Auxiliary and Support Services  
 Cherise Y. Peters, M.H.R.M., Assistant Vice President for Enrollment Services and Registrar  
 Harvey F. Shumpert, M.S., Assistant Vice President for Facilities Management  
 Mary Ann Simpkins, M.B.A., Acting Assistant Vice President for Finance and Comptroller  
 Ellen C. Burgin, M.B.A., Assistant Vice President for Finance and Operations, GSU Foundation  
 Linda J. Nelson, M.S., Assistant Vice President for Opportunity Development and Diversity Education Planning and  
 Acting Assistant Vice President for Human Resources  
 Nannette Commander, Ph.D., Assistant Vice President for Recruitment and Retention  
 Albertha W. Barrett, M.B.A., Assistant Vice President for Research and Awards Administration  
 DeAnna J. Hines, B.S., Assistant Vice President for University Relations

John D. Marshall, J.D., University Attorney

David R. Bledsoe, M. Ed., Director of Financial Aid  
 Marolyn C. Wells, Ph.D., Director of the Counseling Center

Timothy J. Woltering, M.S., Director of the Student Advisement Center  
 Mary McElroy, M.S., Director of Intercollegiate Athletics

Mailing addresses for university administrators are available at <https://auxweb.gsu.edu/pobox>.

## 10,040 Faculty

Adamson, Lauren B., Ph.D. (University of California, Berkeley), Professor of Psychology and Dean of the College of Arts and Sciences

Agarwal, Vikas, Ph.D. (London Business School), Assistant Professor of Finance

Ainsworth, James, Ph.D. (Ohio State University), Associate Professor Sociology

Akinyela, Makungu, Ph.D. (Emory University), Associate Professor of African-American Studies

Albers, H. Elliott, Ph.D. (Tulane University), Regents' Professor of Biology and Psychology and Director of the Center for Behavioral Neurosciences

Albers, Margaret M., Ph.D. (Indiana University), Associate Professor of Middle-Secondary Education and Instructional Technology

Albo, Francisco J., M.A. (City College of New York, CUNY), Lecturer of the School of Music

Alberto, Paul A., Ph.D. (Georgia State University), Research Professor of Educational Psychology and Special Education

Alcocer, Rudyard J., Ph.D. (University of Iowa), Assistant Professor of Modern and Classical Languages

Alexander, Margo, Ph.D. (Georgia State University), Senior Lecturer of Mathematics and Statistics

Ali, Mohammed Hassan, Dipl., Ph.D. (University of London), Associate Professor of History

Allensworth, John, Ph.D. (Kent State University), Lecturer of Geosciences

Alleyne, Mark D., D.Phil. (Oxford University), Associate Professor of Communication

Allison, Stuart A., Ph.D. (University of Washington), Professor of Chemistry

Allred, Captain John C., B.S. (United States Military Academy), Assistant Professor of Military Science

Alm, James, Ph.D. (University of Wisconsin-Madison), Professor of Economics and Chair of the Department of Economics

Altman, Andrew, Ph.D. (Columbia University), Professor of Philosophy and Director of the Jean Beer Blumenfeld Center for Ethics

Alves, Melissa A., Ph.D. (Georgia School of Professional Psychology, Clinical Assistant Professor of Counseling Center

Ambrose, Robert J., D.M. (Northwestern University), Assistant Professor of Music

Ancis, Julie R., Ph.D. (State University of New York), Associate Professor of Counseling and Psychological Services

Anderson, H. Stan, M.F.A. (Miami University), Associate Professor of Art and Design

Anderson, Page L., Ph.D. (University of Georgia), Assistant Professor of Psychology

Apalkov, Vadym M., Ph.D. (University of Utah), Assistant Professor of Physics and Astronomy

Appeadu, Charles E., Ph.D. (University of Washington, Seattle), Assistant Professor of Finance

Appleberry, Cheryl L., M.S. (Georgia State University), Temporary Clinical Instructor of Kinesiology and Health

Arav, Marina, Ph.D. (Technion-Israel Institute of Technology), Assistant Professor of Mathematics and Statistics

Ari, Arzu, Ph.D. (Georgia State University), Assistant Professor of Respiratory Therapy

Ariail, Mary, Ph.D. (University of Georgia), Assistant Professor of Middle-Secondary Education and Instructional Technology

Arikan, Asli, Ph.D. (Ohio State University), Assistant Professor of Managerial Sciences

Arikan, Ilgaz, Ph.D. (Ohio State University), Assistant Professor of International Business

Armistead, Lisa, Ph.D. (University of Georgia), Associate Professor of Psychology

Arthur, Gary L., Ed.D. (Auburn University), Part-Time Professor of Counseling and Psychological Services

Ashby, Jeffrey S., Ph.D. (Pennsylvania State University), Professor of Counseling and Psychological Services

AshShareef, Teirab, Ph.D. (Indiana University, Bloomington), Assistant Professor of the Middle East Institute

Attanasio, Roberta, D. Res. (University of Rome), Associate Professor of Biology

Aycock, Dawn, M.S.N. (Emory University), Clinical Instructor in Nursing

Austin, Gayle M., Ph.D. (City University of New York), Associate Professor of Communication

Babaie, Hassan A., Ph.D. (Northwestern University), Associate Professor of Geosciences and Undergraduate Director for Geology

Bacon, E. JoAnn, M.P.H. (University of Tennessee), Academic Professional in Nursing

Bagnuolo, William G., Ph.D. (California Institute of Technology), Associate Professor of Physics and Astronomy

Bahl, Roy W., Jr., Ph.D. (University of Kentucky), Regents Professor, Dean of the Andrew Young School of Policy Studies and member of the faculty of the Department of Public Administration and Urban Studies

Baker, H. Robert, Ph.D. (University of California, Los Angeles), Assistant Director of History

Bakonyi, Mihai, Ph.D. (College of William and Mary), Professor of Mathematics and Statistics

Baldwin, Defloris M., Ph.D. (Georgia State University), Associate Professor of Nursing

Ball, Charlene, Ph.D. (University of Georgia), Academic Professional of Women's Studies

Banzhaf, H. Spencer, Ph.D. (Duke University), Associate Professor of Economics

Barfuss, Delon W., Ph.D. (University of Arizona), Professor of Biology

Barker, Angela, Ph.D. (University of Oklahoma), Assistant Professor of Music

Barksdale, Hiram C., Jr., Ph.D. (University of North Carolina, Chapel Hill), Associate Professor of Marketing

Baro, Deborah, Ph.D. (University of Illinois), Associate Professor of Biology

Barr, Pamela S., Ph.D. (University of Illinois, Urbana-Champaign), Associate Professor of Managerial Sciences

Barrett, David M., Jr., Ph.D. (Georgia State University), Assistant Professor of Decision Sciences

Barrow, Doyle, Ph.D. (Georgia State University), Lecturer of Chemistry

Barthlow, Douglas, Ph.D. (University of Georgia), Senior Lecturer of Communication

Bartness, Timothy J., Ph.D. (University of Florida), Professor of Psychology and Biology

Baskerville, Richard L., Ph.D. (London School of Economics), Professor of Computer Information Systems and Chair, Department of Computer Information Systems

Bates, Teresa, M.N. (Medical College of Georgia), Clinical Instructor in Nursing

Baumstark, Alfons L., Ph.D. (Harvard University), Professor and Chair of the Department of Chemistry and Co-director of the Center for Biotechnology and Drug Design

Baumstark, Barbara R., Ph.D. (Massachusetts Institute of Technology), Professor of Biology

Baunach, Dawn, Ph.D. (University of Virginia), Associate Professor of Sociology

Baxter, Delia Hanson, Ph.D. (Georgia State University), Associate Professor of Nutrition

Beach, James A., MBA (University of Hawaii), Instructor in International Business

Beasley, George A., M.F.A. (Cranbrook Academy of Art), Professor of Art and Design

Beck, Elizabeth L., Ph.D. (University of Pittsburgh), Associate Professor of Social Work

Beck, T. K., Ph.D. (Emory University), Associate Professor of Communication and Director of the Digital Arts and Entertainment Laboratory

Belcher, Diane D. Ph.D. (Ohio State University), Associate Professor of Applied Linguistics and English as a Second Language

Belinsky, Rachel, Ph.D. (St. Petersburg University, Russia), Lecturer of Mathematics and Statistics

Belkasim, Saeid, Ph.D. (University of Windsor), Associate Professor of Computer Science

Bellenger, Danny N., Ph.D. (University of Alabama), Professor of Marketing

Bello, Daniel C., Ph.D. (Michigan State University), Professor of Marketing

Bellon, Joseph, Ph.D. (University of Georgia), Senior Lecturer of Communication

Bell-Pringle, Virginia, Ph.D. (Georgia State University), Clinical Assistant Professor of the Counseling Center

Belykh, Igor, Ph.D. (University of Nizhny Novgorod, Russia), Assistant Professor of Mathematics and Statistics

Benardot, Dan, Ph.D. (Cornell University), Associate Professor of Nutrition

Bennett, Catherine M., J.D. (University of Georgia), Lecturer in Law

Bennett, Jeffrey A., Ph.D. (Indiana University), Assistant Professor of Communication

Benson, Gwen, Ph.D. (University of Kansas), Associate Professor of Educational Psychology and Special Education, Associate Dean for School & Community Partnerships, and Director of the Alonzo A. Crim Center for Urban Educational Excellence

Bernhardt, Kenneth Lee, Ph.D. (University of Michigan), Regents' Professor of Marketing and Assistant Dean for Corporate Relations, J. March Robinson College of Business

Bernstein, Arla, Ph.D. (University of Florida), Assistant Professor of Communication

Berry, Jessica N., Ph.D. (University of Texas, Austin), Assistant Professor of Philosophy

Beyah, Abdul R., Ph.D. (Georgia Institute of Technology), Assistant Professor of Computer Science

Bhola, Jaman, M.S. (Georgia State University), Instructor of Computer Science

Binder, Perry Z., J.D. (State University of New York, Buffalo), Assistant Professor Legal Studies

Binford, Michael B., Ph.D. (University of North Carolina, Chapel Hill), Associate Professor of Political Science

Black, Roy T., Ph.D. (University of Georgia), Associate Professor of Real Estate and Holder of the GSU Real Estate Alumni Professorship in Real Estate

Blackwell, Brenda Sims, Ph.D. (University of Oklahoma) Associate Professor of Criminal Justice

Blasi, Ronald W., LL.M. (New York University), Professor of Law

Blaustein, David, Ph.D. (Georgia State University), Academic Professional of Biology

Blumi, Isa, Ph.D. (New York University), Assistant Professor of History

Boex, Jameson, Assistant Research Professor of Economics

Bogner, William C., Ph.D. (University of Illinois, Urbana-Champaign), Associate Professor of Managerial Sciences and Associate Chair of Managerial Sciences

Bohan, Chara, Ph.D. (University of Texas, Austin), Assistant Professor of Middle-Secondary Education and Instructional Technology

Bolia, Ly, M.F.A. (New York University), Assistant Professor of Communication

Boles, James S., Ph.D. (Louisiana State University), Professor of Marketing

Boozer, Jack S., Ph.D. (Emory University), Associate Professor of Communication

Bonnet, Solange S., Ph.D. (Columbia University), Lecturer of Modern and Classical Languages

Borek, Lois, Ed.S. (Liberty University), Lecturer of Biology

Borthick, A. Faye, D.B.A. (University of Tennessee, Knoxville), Professor of Accountancy and Director of the Center for Teaching and Learning in Technology

Bottoms, David, Ph.D. (Florida State University), Professor of English, ~~Associate Dean for the College of Arts and Sciences~~, and Director of the Center for Interdisciplinary and Collaborative Arts

Bourdeaux, Carolyn, Ph.D. (Syracuse University), Assistant Professor of Public Administration and Urban Studies

Bourgeois, Anu, Ph.D., (Louisiana State University), Associate Professor of Computer Science

Bowie, Jennifer, Ph.D. (Texas Technical University), Assistant Professor of English

Boyles, Deron R., Ph.D. (Vanderbilt University), Professor of Educational Policy Studies

Brack, Catherine J. Ph.D. (Indiana University, Bloomington), Professor of Counseling and Associate Director of the Counseling Center

Brack, Gregory, Ph.D. (Indiana University, Bloomington), Associate Professor of Counseling and Psychological Services

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