

Welcome to Georgia State University. You have selected an institution with a well-known commitment to excellence in teaching, research, and service. As a student, you'll find that the university community makes the most of its urban home by drawing from the unlimited opportunities found only in a booming international city.

Since opening its doors in 1913, Georgia State University has undergone a remarkable transformation to become one of the leading urban research universities in the country. Georgia State embraces its reputation as a campus of diverse academic programs. The university offers more than 200 degree programs that prepare students for careers in established as well as

emerging fields. You will learn from our top-notch faculty who are excellent teachers with valuable lessons to share.

As you pursue your undergraduate degree, you will be able to explore your interests and develop your thinking on a level very few universities can match. I urge you to take advantage of the many avenues to learn and grow here at Georgia State University.

Carl V. Patton



President



About this Catalog

This catalog provides information regarding all of the undergraduate programs offered by Georgia State University during the 2003-2004 academic year. Please refer to the *Georgia State University Graduate Catalog 2003-2004* for information concerning all of the graduate programs offered by Georgia State University during the 2003-2004 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.

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 posting to the website (www.gsu.edu/registrar), 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 in the Office of the Registrar for changes made by the university and in the Office of the Dean for changes made by a college. It is the student's individual responsibility to keep apprised of current graduation requirements for his or her particular degree program.

This catalog appears online at www.gsu.edu/registrar. A revised copy of this catalog can also be found online at the same web address.

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Quick Reference Directory

Academic Assistance

Andrew Young School of Policy Studies

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College of Arts and Sciences

724 Gen. Classroom Bldg. 404-651-2291

College of Education

300 Col. of Ed. Bldg 404-651-2539

College of Health and Human Sciences

845 Urban Life Bldg. 404-651-3064

J. Mack Robinson College of Business

315 RCB Bldg. 404-651-1913

Admissions, Undergraduate

200 Sparks Hall 404/651/2365

Campus Information

Operator 404/651-2000

Dean of Students

300 Student Center 404/463-9023

Financial Aid

102 Sparks Hall 404/651-2227
404/651-2228

Graduation

231 Sparks Hall 404/651-3387

International Services and Programs

310 Student Center 404/463-9073

Recreational Services

200 Recreation Center 404/651-1550

Registrar

227 Sparks Hall 404/651-2383

Student Accounts

100 Sparks Hall 404/651-2362

Student Advisement Center

255 Sparks Hall 404/463-9500

Academic Calendar

Please refer to the website, www.gsu.edu/registrar for the most up-to-date academic calendar available.

This academic calendar does not apply to the College of Law. The academic calendar for the College of Law is available in the “College of Law” chapter of the *Georgia State University Graduate Catalog 2003-2004* and online at www.law.gsu.edu/registrar.

This catalog applies to students who start at Georgia State University in one of the following three semesters: Fall 2003, Spring 2004 or Summer 2004. 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. See Section 1340.20 in the Academic Regulations chapter (1300) of University Information for a full explanation of when a change of catalog edition is required.

Summer Term 2003

May Session

May

12 Mon Classes begin
26 Mon Memorial Day Holiday, no classes

June

2 Mon Last day of classes
3 Tue Final exams
4 Wed Final exams
6 Tue Grades due

Six-Week Session

June

9 Mon Classes begin

July

4 Fri Independence Day Holiday, no classes
21 Mon Last day of classes (six-week classes that would have met on July 4 meet today)
22-26 Tue-Sat. Final Exams

August

6 Wed Grades due

Seven-Week Session

June

9 Mon Classes begin

July

4 Fri Independence Day Holiday, no classes
28 Mon Last day of classes (seven-week classes that would have met on July 4 meet today)

29-Aug 2 Tue-Sat Final Exams

August

6 Wed Grades due

All Summer Sessions

August

3 Sun Commencement

Fall Term 2003

August

25 Mon Classes begin

September

1 Mon Labor Day Holiday, no classes

November

25-29 Tue-Sun. Thanksgiving Holidays, no classes

December

12 Fri Last day of classes
13-19 Sat.-Fri Final exams
20 Sat Commencement
29 Mon Grades due

Spring Term 2004

January 2004

12 Mon Classes begin
19 Mon Martin Luther King, Jr., Holiday, no classes

March

8-14 Mon.-Sun. Spring Break, no classes

May

3 Mon Last day of classes
4-10 Tue-Mon Final exams
13 Thu Grades due
15 Sat Commencement

Summer Term 2004

May Session**May**

17 Mon Classes begin
31 Mon Memorial Day Holiday, no classes

June

7 Mon Last day of classes
8-9 Tue-Wed Final exams
TBA Grades due

Six-Week Session**June**

14 Mon Classes begin

July

5 Mon Independence Day Holiday, no classes

26 Mon Last day of classes (six-week classes that
would have met on July 4 meet today)
27-31 Tue-Sat Final Exams
TBA Grades due

Seven-Week Session**June**

14 Mon Classes begin

July

5 Mon Independence Day Holiday, no classes

August

2 Mon Last day of classes (seven-week classes
that would have met on July 4 meet
today)

3-7 Tue-Sat Final Exams
TBA Grades due

All Summer Sessions**August**

8 Sun Commencement



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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 University — 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 52 percent being white, 27 percent African American, 11 percent Asian American, 8 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

Airline Management	U. Cert.
Economics	B.A., B.S., M.A., Ph.D.
Disaster Management	G. Cert.
Human Resource Policy and Development	B.S.
Human Resource Development	M.S., Ph.D.
Natural Resource Management	G. Cert.
Nonprofit Management	G. Cert.
Planning and Economic Development	G. Cert.
Public Administration	M.P.A., M.P.A./J.D.*
Public Policy**	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	M.A.
Art	B.A.
Art Studio	B.F.A., M.F.A.
Art Education	B.F.A., M.A.Ed.
Art History	M.A.
Astronomy	Ph.D.
Biological Sciences	B.S., Ph.D.
Biology	M.S.
Chemistry	B.S., M.S., Ph.D.
Classics	B.A.
Communication	M.A., Ph.D.
Computer Science	B.S., M.S., Ph.D.
Creative Writing	M.F.A.
English	B.A., M.A., Ph.D.
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.
Heritage Preservation	M.H.P., G. Cert.
History	B.A., M.A., Ph.D.
Hydrogeology	G. Cert.
Interdisciplinary Studies	B.I.S.
Interpretation	G. Cert.
Journalism	B.A.
Latin American Studies	G. Cert.
Mathematics and Statistics	B.A., B.S., M.A., M.A.T., M.S.
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.
Sociology	B.A., M.A., Ph.D.
Spanish	B.A., M.A.
Speech	B.A.
Theater	B.A.
Translation	G. Cert.
Women's Studies	B.I.S., M.A.

1030.30 College of Education

Behavior/Learning Disabilities	M.Ed.
Communication Disorders	M.Ed.
Counseling	Ph.D.
Counseling Psychology	Ph.D.
Early Childhood Education	B.S.Ed., 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.Ed.
Exercise Science	B.S., M.S.
Health and Physical Education	B.S.Ed., M.Ed.
Instructional Technology	M.S., Ph.D.
Library Media Technology	M.L.M.
Mathematics Education	M.Ed.
Middle Childhood Education	B.S.Ed., M.Ed.
Multiple and Severe Disabilities	M.Ed.
Professional Counseling	M.S., Ed.S.
Reading, Language, and Literacy Education	M.Ed.
Recreation	B.S.
Rehabilitation Counseling	M.S., Ed.S.
School Counseling	M.Ed., Ed.S.
School Psychology	M.Ed., Ed.S., Ph.D.
Science Education	M.Ed.
Social Foundations of Education	M.S.
Social Studies Education	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., Ph.D. ****
Nutrition	B.S., M.S.
Physical Therapy	M.P.T., M.S.
Respiratory Therapy	B.S., M.S.
Social Work	B.S.W., 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.Acct., Ph.D.
Actuarial Science	B.B.A., M.A.S., M.B.A.
Computer Information Systems/Information Systems	
.....	B.B.A., M.B.A., M.S., Ph.D.
Decision Sciences	B.B.A., M.B.A., M.S., Ph.D.
Economics/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.
Management	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 Medical College of Georgia.
- ***** 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.Ed.	Bachelor of Science in Education
B.S.W.	Bachelor of Social Work
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.T.	Master of Physical Therapy
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

There are two libraries that provide services to meet the needs of Georgia State University: the William R. Pullen Library and the College of Law Library.

William R. Pullen Library—The Pullen Library houses more than 1,100,000 volumes and subscribes to more than 7,000 periodicals. The carefully selected collections are designed to serve not only the varied needs of undergraduate students but also the special needs of professional and graduate students engaged in research. The library's catalog and an array of sophisticated electronic information sources are available to dial-up users of the university's computer center.

The Special Collections Department of the library houses the Southern Labor Archives, 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 type in the United States. Its holdings include the papers of the late world-renowned lyricist, Johnny Mercer. Other components of the department are the University Archives, the Rare Books Collection, the Photograph Collection, and the Georgia Government Documentation Project.

Hours for the Pullen Library vary throughout the year. Please call 404/651-2178 or visit the Library's Web site at www.gsu.edu/library for the most current hours of operation.

College of Law Library—The College of Law Library is designed and equipped to meet the demanding research needs of today's law students, faculty members, staff, and members of the legal community. The library provides research materials in American, British, Canadian, and international law and provides the primary and secondary sources needed for legal research. For more information and for hours of operation, please visit the library's web site at law.gsu.edu/lawlibrary or call 404/651-2479.

1040.20 Information Systems and Technology

University Educational Technology Services (UETS) 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 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, 678/566-2209

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 www.student.gsu.edu for a complete list with details about getting started.

1040.30 Alpharetta Center

In addition to Georgia State University's downtown campus, the university offers instruction at the Alpharetta Center. The Alpharetta Center offers a variety of credit and noncredit programs to people living and working in the northern metropolitan area. The center is located at 3705 Brookside Parkway, Alpharetta, Georgia, 678/566-2205.

1040.40 The Welcome Center

The Welcome Center provides an official reception area for visitors to the university. Prospective students, visitors, and alumni are welcomed and furnished directions and information about the university and its programs and activities. The Welcome Center offers campus tours and schedules twice-daily information sessions, provided by the Office of Undergraduate Admissions at 10:00 a.m. and 2:00 p.m. These activities are open to individuals and groups. Tours of the Georgia State University Village, the student housing complex, are scheduled on Monday, Wednesday and Friday at 11:30 a.m. Complimentary visitor parking is provided to people participating in any of these sessions. Please call the Welcome Center to schedule these sessions and parking. You may contact the Welcome Center located in 134 Alumni Hall at 404/651-3900 or visit the web site at www.gsu.edu/externalaffairs/welcome.

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, and Alumni Distinguished Achievement 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 University 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 web site at www.gsu.edu/alumni.

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 solely 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, and the university receives 100 percent of the income from foundation assets. Other smaller nonprofit entities that may receive gifts on behalf of Georgia State include the Athletics Association, the Educational Foundation, and the Research Foundation.

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 University 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 University is committed to maintaining a working and learning environment free of discriminatory and sexual harassment. Georgia State University has adopted policies and procedures concerning harassment which may be obtained from the Affirmative Action Office, the Ombudsperson, or Dean of Students. In addition to the procedures outlined in the policy, a complaint may be filed with

the Affirmative Action Office, the Ombudsperson, the Dean of Students, the respective administrative unit of college, and the appropriate state or federal agencies.

Disabilities—Georgia State University 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 University. 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 Affirmative Action 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 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 www.gsu.edu/oncampus or from the Office of the Dean of Students, 300 Student Center, 404/463-9023.

1050.40 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.

1050.50 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.

1050.60 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 University 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.

1100 Undergraduate Admissions

1110 Office of Undergraduate Admissions

200 Sparks Hall, 404/651-2365
www.gsu.edu/admissions
e-mail: 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 University 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 University. These studies have identified factors and criteria that indicate a reasonable chance of successful completion of academic work at Georgia State University. 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 minimums will not necessarily guarantee acceptance. Priority in admission is given to legal residents of the State of Georgia.

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. Any changes in a student's record due to the completion of additional coursework prior to enrollment will necessitate a new review of the application. Students wishing to be considered for a subsequent term must submit a Reactivation Form and any required credentials by the application deadline date for that particular term. A student has the right to appeal the admission decision as provided in the bylaws of the Board of Regents.

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.

All beginning students attending regularly scheduled classes or receiving resident credit will be required to submit a certificate of immunization (measles, mumps, rubella) prior to registering for and attending such classes.

Admission to Georgia State University does not imply that you have been admitted 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 1505).
- 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

1120.10 Definition

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

1120.20 Deadlines

Applications for admission and the application fee must be submitted or postmarked by the established deadlines. 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. Applications less than one year old can be updated to a future term by submitting a Reactivation Form and any additional credentials that may be necessary by the appropriate deadline.

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

	Priority Deadline Dates	Regular Deadline Dates
Summer semester 2004	February 1	March 1
Fall semester 2004	February 1	March 1
Spring semester 2005	October 1	October 1

Note: All deadlines for future terms are subject to change.

1120.30 Admission Requirements

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

- 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.
- Submit SAT I scores of at least 430 verbal and 400 mathematics or ACT scores of at least 17 English and 17 mathematics. Although not currently required (with the exception of home-schooled applicants), applicants are encouraged to submit SAT II 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 I/ACT scores and

high school grade point average (HSGPA) in college preparatory courses only. The FI formula using SAT I scores is: $\text{SAT FI} = (500 \times \text{HSGPA}) + \text{SAT I V} + \text{SAT I M}$. 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 the academic courses** taken such as English, mathematics, science, social studies, and foreign language.

If you have completed your high school program through home school, you must contact the Office of Undergraduate Admissions for further information regarding additional procedures you need to follow in making application. 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 I test score (or an ACT equivalent) that is at or exceeds the average SAT I for those enrolled as first time freshmen for the previous fall term. The score from fall semester 2002 is 1070 (SAT I) or 23 (ACT).
- Submit SAT I scores of at least 430 verbal and 400 mathematics or ACT scores 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 USG 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 II Admission

Students who wish to apply for admission under the SAT II test option must:

- Submit SAT I scores of at least 430 verbal and 400 mathematics or ACT scores of at least 17 English and 17 mathematics.
- Submit acceptable scores on 7 SAT II 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 II Subject tests are:

520 on the English Writing test

530 on the Literature test

500 on the Math IC test or a score of 570 on the Math IIC test

520 on the Biology test

540 on the Chemistry test or 590 on the Physics test
 560 on the American History and Social Studies 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

1125.10 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.

1125.20 Deadlines

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

	Priority Deadline Dates	Regular Deadline Dates
Summer semester 2004	February 1	April 1
Fall semester 2004	February 1	June 1
Spring semester 2005	October 1	November 1

Note: All deadlines for future terms are subject to change.

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.

1125.30 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:

- For Summer and Fall 2003, have a minimum cumulative 2.3 grade point average in college-level courses. Beginning Spring 2004, have a minimum cumulative 2.5 grade point average in college-level courses.
- Be in good standing (not on probation, suspension, exclusion, or other standing indicating academic deficiencies) 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, completion of **fewer than 30 semester hours or 45 quarter hours** of college-level academic coursework attempted at one or more regionally accredited institutions requires meeting 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 1370.25 and 1370.30).

1125.40 Transfer Credit Policy

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 27 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 1370.15).
- Georgia State University 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 who hold
 - 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 GSU or a GSU-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 will be granted credit for all of Areas A-E of the core and the Regents' Test.
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 and 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

1130.10 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.

1130.20 Deadlines

Regular Deadline Dates

Summer semester 2004	April 1
Fall semester 2004	July 1
Spring semester 2005	November 1

Note: All deadlines for future terms are subject to change.

After the Regular Deadline Dates, only postbaccalaureate applications that are **complete** at the time of submission (application, 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, for information on procedures and deadline dates.

1130.30 Admission Requirements

The following regulations are 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 1505).

In order to be eligible for admission as a postbaccalaureate student, you must complete an application for undergraduate admission (including the fee). If, after enrolling at Georgia State University as a postbaccalaureate student, you wish to change to a degree-seeking status, you must meet the conditions for acceptance as a transfer student. The appropriate Reactivation Form 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 a transient student from Georgia State University; this status is only for degree-seeking students. If you wish to attend another institution, you must apply directly to the other school.

1135 Transient Applicants

1135.10 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.

1135.20 Deadlines

Regular Deadline Dates

Summer semester 2004	April 1
Fall semester 2004	July 1

Spring semester 2005 November 1

Note: All deadlines for future terms are subject to change.

After the Regular Deadline Dates, only transient applications that are **complete** at the time of submission (application, 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 the Admission Requirements and Regulations section under “International Students” heading in this chapter.

1135.30 Admission Requirements

In order to be eligible for admission as a transient student, you must complete an application for undergraduate admission (including the fee) and request an official statement of good academic standing and permission to enroll as a transient student from your home institution. The appropriate academic official at your home institution must send this statement directly to Georgia State University. If you do not enroll the semester for which you were accepted, and wish to register later, you must reactivate your 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:

- You should seek academic advisement at your home institution to determine if courses taken at Georgia State University are acceptable to your degree program.
- All scholastic discipline policies and all course prerequisite policies are applicable to a transient student.
- Transcripts for courses completed at Georgia State University as a visiting student must be requested from the Office of the Registrar for your 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, you must file a reentry form and arrange for all necessary supporting documentation to be received in the Office of the Registrar by the established deadlines (see Section 1170). With the exception of summer semesters, registration as a transient student is limited to one semester. If you wish to change your status to a transfer student, you must file a new application for undergraduate admission and arrange for **all** transcripts to be received by the Office

of Undergraduate Admissions. Student copies of transcripts or official transcripts opened by the student are **not** acceptable (see Section 1125).

1145 Nontraditional Applicants

1145.10 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.

1145.20 Deadlines

Non-traditional applicants who have never enrolled in a regionally-accredited college or university (unless jointly enrolled while completing high school) follow the freshman deadlines. See Section 1120.20. All other non-traditional applicants follow the transfer deadlines. See Section 1125.20.

1145.30 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.

1150 Joint Enrollment (Program for Excellence) and Summer Scholar

1150.10 Definition

Joint enrollment (Program for Excellence/PFE) and Summer Scholar program are opportunities for the academically outstanding high school student to enroll as a special undergraduate student. These programs are 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.

1150.20 Deadlines

Regular Deadline Dates

Summer semester 2004	April 1
Fall semester 2004	April 1
Spring semester 2005	November 1

Note: All deadlines for future terms are subject to change.

1150.30 Admission Requirements

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

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 I Verbal score of 530, or minimum ACT English score of 23.
- A minimum SAT I 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 I Verbal score of 530, or minimum ACT English score of 23.
- A minimum SAT I 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 I/ACT scores and high school grade point average (HSGPA) in college preparatory courses only. The FI formula using SAT I scores is $SAT\ FI = (500 \times HSGPA) + SAT\ I\ V + SAT\ I\ M$. 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

1155.10 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.

1155.20 Deadlines

	Priority Deadline Dates	Regular Deadline Dates
Summer semester 2004	February 1	April 1
Fall semester 2004	February 1	June 1
Spring semester 2005	October 1	November 1

Note: All deadlines for future terms are subject to change.

1155.30 Admission Requirements

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. (You must 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) if required. 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, (phone) 404/651-2365, (fax) 404/651-4811, (e-mail) admissions@gsu.edu, or web site www.gsu.edu/admissions.

1165.10 Definitions

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.

1165.20 Deadlines

Applications for admission from international applicants and applicants with non-U.S. credentials, 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.

Deadline Dates for International Applicants:

	Priority Deadline Dates	Regular Deadline Dates
Summer semester 2004	February 1	March 1
Fall semester 2004	February 1	March 1
Spring semester 2005	October 1	October 1

Note: All deadlines for future terms are subject to change.

1165.30 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.

Applicant 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. An application for the Josef Silny and Associates, Inc., evaluation service is included in the university's admission packet. Applicants must submit this 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, P.O. Box 248233, Coral Gables, FL 33124, or on-line at 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 (www.ece.org), or World Education Services, P.O. Box 745, Old Chelsea Station, New York, NY 10113-0745 (www.wes.org).

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 I verbal 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), a GSTEP score of 6, or by successfully completing Georgia State University's Intensive English Program. However, students who are 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. (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 (www.gsu.edu/esl).

1165.40 Placement

International Students. There are no special placement rules for International students. **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. 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.

1165.50 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 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

1170.10 Definition

An undergraduate reentry student is a student who has been enrolled at Georgia State University and who:

1. Has not registered for courses at Georgia State University during the previous 12 months; or
2. Attended any term as a transient and wishes to attend an additional summer term as a transient.

All students applying to reenter who were last enrolled 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

1. 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
2. Complete their LSP courses at another USG institution (e.g., Georgia Perimeter College) and then reapply for reentry.

Transient students who wish to change their status to transfer students should complete a new application for admission and refer to Section 1125.30 for admission requirements.

Eligible students who do not need to file an application for reentry should notify the Office of the Registrar prior to registering if either of the following conditions applies. The student has:

1. Attended another school since last attending Georgia State University. The student should have an official transcript of credits sent from the school he or she attended to the Georgia State University Office of the Registrar. The student must be in good academic standing at the last school attended before he or she returns to Georgia State. 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; or
2. Been convicted of a crime other than a minor traffic violation since last attending Georgia State University.

1170.20 Reentry Procedures

Reentry applications must be submitted by the deadline published in the online *Registration Guide* at www.gsu.edu/registra each term. This deadline is approximately four weeks prior to the beginning of the registration phase in which the student wishes to register. Reentry forms are available in the Office of the Registrar, 227 Sparks Hall, 404/651-2383.

Reentry applicants should request that the registrar of each school attended since their last enrollment at Georgia State University send an official transcript directly to the Academic Records section of the Office of the Registrar. With the exception of summer semesters, registration as a transient is limited to only one fall or one spring semester. To continue

attending, transient students must be in good academic standing at Georgia State University.

Undergraduate students re-entering on supervision or suspension are required to participate in the Academic Improvement Program (see Section 1360.20). All required forms and procedures must be completed and approved by the college or division prior to these deadlines:

<u>To return in</u>	<u>Deadline</u>
Fall Semester	April 1
Spring Semester	October 1
Summer Term	April 1

If the deadline falls on a weekend or a university holiday, readmission forms will be accepted until the next workday following the deadline.

Students should be in good standing, both academic and disciplinary, and have no disciplinary actions pending at the last institution attended since the Georgia State University matriculation.

Students normally reenter the same college or school in which they were last enrolled. Undergraduate students who are eligible to change colleges, however, (see below) and wish to do so at the time of reentry may indicate their desired new college and major (and concentration, if applicable) on the reentry application. Some colleges have special requirements for admission to the college or to particular programs in the college. Students should contact the Office of Academic Assistance of the desired college to determine if special criteria apply.

Students who have attended Georgia State University in both undergraduate and graduate categories may apply to reenter any undergraduate or graduate program in which they were enrolled. Students who wish to reenter the same college in which they were last enrolled may, if desired, indicate request for a new degree or major within that college at the time of reentry.

Reentry acceptance is valid only for the semester for which the student originally applied. If the student does not attend the original semester for which they applied, a new reentry application must be completed by established deadlines. Transient students and international students will need to complete a new reentry form for the semester that they wish to attend. Students will need to notify the Office of the Registrar if they attended another institution or if they were convicted of a crime other than a minor traffic violation after they were accepted for reentry. Students who registered at another institution must have an official transcript sent to the Office of the Registrar before a decision can be made on their reentry application. Students must be in good academic standing at that school before returning to Georgia State. Students who do not attend the semester for which reentry was originally requested must complete a new reentry form for a subsequent semester.

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 the Registrar 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 be admitted as transfer student. All scholastic discipline policies and all course prerequisites are applicable to a transient student. Transcripts for courses completed at Georgia State University 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

1210 Office of Student Accounts

100 Sparks Hall, 404/651-2362
www.gsu.edu/studentaccounts

1215 Georgia Resident Status

1215.10 Regents' Requirements for Georgia Resident Status

In order to establish residency for tuition purposes, you, your parent, your spouse, or your court-appointed guardian (if you are a minor) must demonstrate legal residence of Georgia. You may establish this claim by providing documentation to support the definition established by the Board of Regents. **Please note that establishing residency for tuition purposes requires more than establishing eligibility to vote, securing a driver's license, and/or paying taxes.**

Who has the best claim to residency for tuition purposes?

You, your parent, your spouse, or your court-appointed guardian (if you are a minor) should meet **all** the following criteria:

- 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.
- The person has lived in Georgia for the 12 consecutive months immediately preceding the start date for the term.
- The person can demonstrate that they moved to Georgia for purposes other than attending any educational institution in the State of Georgia and that their 12-month durational requirement has not included time attending any educational institution in the State of Georgia on a full-time basis.
- The person is a U.S. citizen, Resident Alien or is in a visa status permitting indefinite or permanent residence in the United States.

OR

- You are a U.S. citizen, Resident Alien or are in a visa status permitting indefinite permanent residence in the United States **and**
- You can demonstrate that your employer has transferred you to Georgia within the last 12 months **or** you previously held residency status in Georgia but moved from the state and returned within the last 12 months.

Legal residents of Georgia, as well as certain categories of nonresidents, may be enrolled upon payment of resident fees in accordance with the following Regents' rules. For additional policies regarding tuition waivers, see section 1220.30.

403.2

- A. 1. If a person is 18 years of age or older, he or she may register as an in-state student only upon showing that he or she has been a legal resident of Georgia for a period of at least 12 months immediately preceding the date of registration. Exceptions:
 - i. A student whose parent, spouse, or court-appointed guardian is a legal resident of the State of Georgia may register as a resident providing the parent, spouse, or guardian can provide proof of legal residency in the State of Georgia for at least 12 consecutive months immediately preceding the date of registration.
 - ii. A student who previously held residency status in the State of Georgia but moved from the state then returned to the state in 12 or fewer months.
 - iii. Students who are transferred to Georgia by an employer are not subject to the durational residency requirement.
2. No emancipated minor or other person 18 years of age or older shall be deemed to have gained or acquired in-state status for tuition purposes while attending any educational institution in this state, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.
- B. If a parent or legal guardian of a student changes his or her legal residence to another state following a period of legal residence in Georgia, the student may retain his or her classification as an in-state student as long as he or she remains continuously enrolled in the University System of Georgia, regardless of the status of his or her parent or

legal guardian.

- C. In the event that a legal resident of Georgia is appointed by a court as guardian of a nonresident minor, such minor will be permitted to register as an in-state student providing the guardian can provide proof that he/she has been a resident of Georgia for the period of 12 months immediately preceding the date of the court appointment.
- D. Aliens shall be classified as nonresident students, provided, however, that an alien who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States.

704.041 - An institution may waive out-of-state tuition for:

- A. Academic Common Market. Students selected to participate in a program offered through the Academic Common Market (www.sreb.org/acm);
- B. International and Superior Out-of-State Students. International students and superior out-of-state students selected by the institutional president or an authorized representative, provided that the number of such waivers in effect does not exceed 2 percent of the equivalent full-time students enrolled at the institution in the fall term immediately preceding the term for which the out-of-state tuition is to be waived;
- C. University System Employees and Dependents. Full-time employees of the University System, their spouses, and their dependent children;
- D. Medical/Dental Students and Interns. Medical and dental residents and medical and dental interns at the Medical College of Georgia;
- E. Full-time School Employees. Full-time employees in the public schools of Georgia or of the Department of Technical and Adult Education, their spouses, and their dependent children. Teachers employed full-time on military bases in Georgia shall also qualify for this waiver;
- F. Career Consular Officials. Career consular officers, their spouses, and their dependent children who are citizens of the foreign nation that their consular office represents and who are stationed and living in Georgia under orders of their respective governments;
- G. Military Personnel. Military personnel, their spouses, and their dependent children stationed in Georgia and on active duty, unless such military personnel are assigned as students to System institutions for educational purposes. The waiver can be retained by the military personnel, their spouses, and their dependent children if the military sponsor is reassigned outside of Georgia, as long as the students(s) remain(s) continuously enrolled and the military sponsor remains on active military status;
- H. Research University Graduate Students. Graduate Students attending the University of Georgia, the Georgia Institute of Technology, Georgia State University, and the Medical College of Georgia, which shall be authorized to waive the out-of-state tuition differential for a limited number of graduate students each year, with the understanding that the number of students at each of these institutions to whom such waivers are granted shall not exceed the number assigned below at any one point in time: University of Georgia - 80, Georgia Institute of Technology - 60, Georgia State University - 80, Medical College of Georgia - 20;
- I. Border County Residents. Residents of an out-of-state county bordering a Georgia county in which the reporting institution or a Board-approved external center of the University System is located;
- J. National Guard Members. Full-time members of the Georgia National Guard, their spouses, and their dependent children;
- K. Students enrolled in University System institutions as part of Competitive Economic Development Projects. Students who are certified by the Commissioner of the Georgia Department of Industry, Tourism and Trade as being part of a competitive economic development project;
- L. Students in Georgia-Based Corporations. Students who are employees of Georgia-based corporations or organizations that have contracted with the Board of Regents through University System institutions to provide out-of-state tuition differential waivers;
- M. Students in Pilot Programs. Students enrolled in special pilot programs approved by the Chancellor. The Chancellor shall evaluate institutional requests for such programs in light of good public policy and the best interests of students. If a pilot program is successful, the tuition program shall be presented to the Board for consideration;
- N. Students in ICAPP Advantage programs. Any student participating in an ICAPP Advantage program;
- O. Direct Exchange Program Students. Any international student who enrolls in a University System institution as a participant in a direct exchange program that provides reciprocal benefits to University System students;
- P. Families Moving to Georgia. A dependent student who, as of the first day of term of enrollment, can provide documentation supporting that his or her supporting parent or court-appointed guardian has accepted full-time, self-sustaining employment and established domicile in the State of Georgia for reasons other than gaining the benefit of favorable tuition rates may qualify immediately for an out-of-state tuition differential waiver which will expire 12 months from the date the waiver was granted. An affected student may petition for residency status according to established procedures at the institution;
- Q. Recently Separated Military Service Personnel Members of a uniformed military service of the United States who, within 12 months of separation from such service, enroll in a program for teacher certification and demonstrate an intent to become a permanent resident of Georgia. This waiver may be granted for not more than one year.

Please see the Board of Regents Web sites for updated information: www.usg.edu/admin/policy/400.phtml#403 and www.usg.edu/admin/policy/700.phtml (go to section 704.041).

Waiver Information:

If you are interested in pursuing waivers A, B, H, N, or O for international students and/or graduate students, please contact your academic advisor. The Residency Section does not have the authority to grant these waivers. To receive waivers C, E, F, G, J, P and/or Q please contact the Residency Section of the Office of Admissions, as forms other than the petition will be used.

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 before the University Committee on Residence and shall submit such request in writing to the Director of Admissions within 20 days of the decision.

1220 Tuition

The fees listed below are subject to change, should be considered estimates, and used only as a planning guide for future payments. The most up-to-date information on fees can be found online at www.gsu.edu/registrar.

1220.10 Tuition for Georgia Resident Students

A student who is a legal resident of the State of Georgia, according to the regulations of the Board of Regents of the University System of Georgia, and who has been a legal resident of the state for at least 12 months preceding the date of registration must pay in-state tuition. Students are responsible for all charges. There is no tuition charge for hours taken in excess of 12 hours per semester. The following fees apply for enrollment of less than 12 hours per semester and for 12 hours and above per semester:

In-State Tuition for Students Enrolled for Less Than 12 Semester Hours:

Degree program of study	Amount per semester hour
Undergraduate	\$134.00
College of Law	\$188.00
RCB-Master's Level	\$181.00
Nursing-MS/Ph.D.	\$172.00
All Other Graduate	\$161.00

In-State Tuition for Students Enrolled for 12 or More Semester Hours:

Degree program of study	Amount per semester
Undergraduate	\$1,604.00
College of Law	\$2,253.00
RCB-Master's Level	\$2,164.00
Nursing-MS/Ph.D.	\$2,059.00
All Other Graduate	\$1,925.00

1220.20 Tuition for Nonresident Students

Each student who has not been a legal resident of the state of Georgia under the regulations of the Board of Regents (see section 1215.10) for at least 12 months preceding the last day to register without penalty must pay out-of-state tuition. Students are responsible for all charges. There is no tuition charge for hours taken in excess of 12 hours per semester. The following fees apply for enrollment of less than 12 hours per semester and for 12 hours and above per semester for nonresident students:

Out-of-State Tuition for Students Enrolled for Less Than 12 Semester Hours:

Degree program of study	Amount per semester hour
Undergraduate	\$535.00
College of Law	\$751.00
RCB-Master's Level	\$722.00
Nursing-MS/Ph.D.	\$687.00
All Other Graduate	\$642.00

Out-of-State Tuition for Students Enrolled for 12 or More Semester Hours:

Degree program of study	Amount per semester
Undergraduate	\$6,416.00
College of Law	\$9,012.00
RCB-Master's Level	\$8,656.00
Nursing-MS/Ph.D.	\$8,236.00
All Other Graduate	\$7,700.00

1220.30 Tuition Waivers

In addition to the Board of Regents tuition waiver policy listed in section 1215.10, these fee waiver policies are also in effect at Georgia State University.

- A. The difference between in-state and out-of-state tuition is waived for: Non-resident students who are enrolled only in courses which meet more than 50 miles from GSU and are part of an official Georgia State University off-campus study program pay in-state tuition plus \$250.
- B. All tuition is waived for:
 1. GSU 62 students.
 2. Employee tuition remission students who take no more than three courses and register during late registration.
 3. Graduate assistants (as defined by Deans Group or Senate policy).
- C. Waivers of Tuition for Post Secondary Options (PSO) Students: PSO students will have 25% of their tuition waived. The remaining 75% of their tuition is billed to the State of Georgia.
- D. Tuition Agreements: Students enrolled only in courses offered under tuition agreements between Georgia State

University and corporation, organizations, educational institutions and other legal entities will pay tuition and fees as specified in the tuition agreement. Enrollment in the courses must be restricted to employees/members of the corporation, etc. except upon agreement between the corporation, etc. and Georgia State University to permit nonemployees/nonmember to enroll on a space-available basis. The tuition and fee rates in such agreements must be approved by the Provost.

1225 Mandatory Student Fee

The fees listed below are subject to change, should be considered estimates, and used only as a planning guide for future payments. The most up-to-date information on fees can be found online at www.gsu.edu/registrar.

A mandatory student fee is charged each semester to every student registered for courses to be conducted by Georgia State University. This fee must be paid at the time of registration.

Student activity, athletics, recreation, technology, transportation, international education, and health fees make up the mandatory student fee that is used to provide cultural, social, recreation and athletic programs for the entire student body. In addition, this fee provides financial support for student facilities at the university, guest speakers and lecturers, student media, and many special events that are available exclusively for the students of Georgia State University. The fee also helps to defray shuttle costs for transporting students to campus from remote parking facilities where students park free and to fund a discount for student MARTA cards. The technology fee supports expansion and enhancements of instructional technology and student access to computers. The international education fee provides scholarships and loans for study abroad and supports the University's compliance with federal reporting of international students mandated by Congress.

All Students (except College of Law)	\$356.00
College of Law Students	\$413.00

1225.10 Waivers of the Mandatory Student Fee

- A. Waivers of Mandatory Fees Except the Technology Fee
Mandatory fees except the technology fee are waived for:
1. GSU 62 students.
 2. Employee tuition remission students who take no more than three courses and register during late registration.
 3. Joint enrollment (JE) and Post-Secondary Options (PSO) students who are taking less than six credit hours.
 4. 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.
 5. Students who have paid fees at another accredited institution of higher education and who are taking less

than six credit hours at Georgia State University.

6. 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, for example, 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.
7. Students enrolled only in courses which 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.

- B. Waivers of the Technology Fee
The technology fee is waived for:
1. GSU 62 students.
 2. Employee tuition remission students who take no more than three courses and register during late registration.
 3. JE and PSO students who are taking less than six credit hours.

1230 Other Fees

1230.10 Late Registration Fees

A student who fails to meet the registration fee payment deadline will lose all of their registered classes and will need to register again during Late Registration. During Late Registration, students who register initially or register again for classes dropped due to lack of fee payment will incur a nonrefundable late registration fee of \$50.00. In addition, any registration revision after Late Registration must be done in the Registrar's Office and may be refused by the faculty member. Students will be charged a nonrefundable manual registration fee of \$37.50 for each revision at the Registrar's Office. Students are responsible for dropping classes if they decide not to attend school. Students will be responsible for payment of classes that are not dropped. All payments must be received (not postmarked) by the Office of Student Accounts by the deadline dates and times listed in the on-line *Registration Guide* at www.gsu.edu/registrar. Failure to meet fee payment deadlines may result in academic consequences.

1230.20 Graduation Fee

Every student receiving a degree must pay a graduation fee of \$30.00 for a bachelor's degree, \$40.00 for master's and specialist degrees, and \$40.00 for doctorate degrees to cover all expenses, including the cost of the diploma, but excluding the cost of regalia (see below). Students should first procure the necessary form from the Graduation Office, 231 Sparks Hall, and then pay the graduation fee at the Office of Student Accounts, 100 Sparks Hall. Payments made by cash, check, or VISA/MasterCard will be accepted.

Students who indicated on the graduation application that they are attending the commencement ceremony will be required to purchase their regalia from the Georgia State University Bookstore. The bookstore can be reached at 404-651-2155, or for more information at www.gsu.bkstr.com.

Revisions of graduation dates after the midpoint of the semester in which graduation is scheduled will result in reapplication fees of \$30.00 for a bachelor's degree and \$40.00 for a master's, specialist, or doctoral degree.

1230.30 Required Advance Fee Payment

The College of Health and Human Sciences requires students newly accepted into certain professional programs to submit a percentage 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.

1230.40 Other Fees

The university reserves the right to charge a fee for the use of university property and to levy fines for the improper use of university property.

1230.50 Housing Fees

Housing fees for each semester are due when tuition and other fees are due. Village rent per semester is currently \$2,465.00 and includes all utilities, cable TV service, local telephone service, internet access, and transportation to the main campus and metro Atlanta via MARTA. Fees for Village parking are currently an additional \$320.00 per semester, if applicable. The monthly rent at the University Loft Apartments varies by apartment. The fees listed in this section are subject to change. Updated fee information can be found in each term's on-line *Registration Guide* at www.gsu.edu/registrar. For more information, contact University Housing at 404/463-9052, or at housing@gsu.edu.

1230.60 Employer Fee Reimbursement

Students eligible for tuition 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. Forms will be processed and mailed within five workdays if grades are available for the applicable semester.

1235 Fee Payment

Payment may be made either by cash, VISA or MasterCard, or by check 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 the checking account number encoded. All checks not drawn in this manner will be returned to the remitter of the check. Payments (checks only) may be mailed to the Office of Student Accounts and must be received by 5 p.m. on

the fee deadline date, **NOT** just postmarked.

The university reserves the right at any time during the semester to drop any student from classes for failure to pay fees. Students who continue to attend classes under these conditions will be held liable for the fees due plus any service fees assessed, applicable collection costs, court costs, and legal fees. A Student Accounts "Hold" will be placed on the records of any student who has a financial obligation to the university. This student will not be permitted to register for further course work or receive, or have forwarded to external third parties, transcripts of grades until the obligation is settled.

Any person who has a check returned by the bank for any reason should settle that obligation with the university promptly. Failure to do so will result in nonpayment of fees.

If a check given in payment of a student's fees is not paid upon presentation to the banking institution, a Student Accounts "Hold" will be placed on the student's records. All returned checks will be assessed a returned check fee of \$25. Georgia State University reserves the right to place a student on "cash only" for issuing a check that is not honored upon presentation to the bank.

It is the responsibility of the student to be informed of, and to observe, all regulations and procedures regarding the payment of fees and the entitlement to refunds. In no case will a regulation be waived or an exception be 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. All questions concerning fees and refunds should be directed to the Office of Student Accounts only. Verbal misinformation is not grounds for a waiver of a regulation.

All fees are subject to change without notice.

1235.10 Fee Payment Deadline Date

All tuition and mandatory student fees are payable by the dates published in the on-line *Registration Guide*. Students are responsible for all charges. For the most up-to-date information concerning fee payment and deadline dates, please refer to each term's on-line *Registration Guide* at www.gsu.edu/registrar. Failure to meet fee payment deadlines may result in academic consequences.

1235.20 Credit Card Payments

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, thus eliminating the need to mail or deliver fee payments to the Office of Student Accounts.

Refunds for students paying with VISA or MasterCard will be mailed upon withdrawal from classes in accordance with the refund policy.

1240 Refund of Fees

Students who formally withdraw or who are formally withdrawn from a class or classes will be subject to the application for a refund policy for tuition and other fees. (See

Section 1332.) This policy decreases the amount of refund available at regular intervals during the term. At a time during the term, no refund will be available upon withdrawal. Complete information about the refund policy and its application throughout the term is available in each term's on-line *Registration Guide* at www.gsu.edu/registrar.

Placing a stop payment on a check with the institution the check is drawn on does not constitute a formal withdrawal. The student will be held liable for tuition and fees unless the date of official withdrawal from the class or classes at Georgia State is within the refund schedule; in which case, the student will be held liable for that portion of fees that is not refundable plus the returned check fee and any applicable collection costs.

A student is not entitled to any refund of fees paid if the student leaves the university when disciplinary action is pending, or does not withdraw formally from the class or classes in which he or she is enrolled, or if other restrictions apply as listed in the on-line *Registration Guide* at www.gsu.edu/registrar.

The refund for a student who paid fees with cash, check, or credit card (VISA/Mastercard) will be in the form of a check mailed to the student. The refund for a student who receives financial aid will be audited to determine the amounts to be returned to the financial aid program, and a check will be mailed to the student for any balance due. Mailing addresses should be kept current with the Office of the Registrar at all times to ensure proper mailing of refund checks.

1245 Student Financial Aid

102 Sparks Hall, 404/651-2227
www.gsu.edu/financialaid

The Office of Student Financial Aid provides financial assistance to students who, without such help, would be unable to attend Georgia State University. The university believes that the principal responsibility for financing a college education lies with the student and the family. A student who needs financial assistance is expected to contribute by working or borrowing a reasonable portion of the funds needed to meet expenses. The student's family is expected to make a maximum effort to assist in the payment of the expenses involved.

The assistance available includes scholarships, grants, loans, and employment. Recipients are selected on the basis of demonstrated financial need and 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. There is a priority deadline of April 1 for submission of completed financial aid applications to the Office of Student Financial Aid.

In order for a Georgia State University 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.

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 the listings in this section.

International students should consult section 1287.10 of this catalog for information on financial aid restrictions.

For more information on financial aid, contact the office, located in 102 Sparks Hall at 404/651-2227 or online at www.gsu.edu/financialaid.

1250 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 University. As soon as the Georgia State University Office of 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 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.

1255 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.

1260 Grants

A grant is a nonrepayable form of financial assistance for undergraduate students who demonstrate sufficient need. For each of the grants listed, eligible students with completed applications for student financial aid will be considered. Contact the Office of Student Financial Aid for more information.

1260.10 Federal Pell Grant

Federal assistance awarded to students who qualify. The amount awarded will vary depending on the financial need of the student and available funds approved by Congress.

1260.20 Federal Supplemental Educational Opportunity Grant (FSEOG)

Federal assistance awarded to students enrolled on at least a half-time basis. Funds are available only to students who meet the priority application deadline.

1260.30 Grants for Study Abroad

The Fulbright-Hays Program: Authorized by Public Law 87-256, The Mutual Educational and Cultural Exchange Act of 1961 (known as the Fulbright-Hays Act). The purpose of the program is to “enable the government of the United States to increase mutual understanding between the people of the United States and the people of other countries.” Grants are made to U.S. citizens and foreign nationals for a variety of educational activities, primarily university lecturing, advanced research, graduate study, and teaching in elementary and secondary schools. For more information, please call the Office of International Affairs at 404/651-0386.

1265 Loans

A loan is a repayable form of financial assistance for students and/or parents of dependent students used for educational expenses.

1265.10 Emergency Tuition Loan Fund for International Students

Limited partial or complete loans are available for out-of-state tuition to students on nonimmigrant visas who are in temporary financial difficulties and are awaiting the arrival of their tuition money from their home country. These loans are limited to one per student, per year, and they must be repaid before the end of the semester in which they are incurred. For more information or to apply, contact the Office of International Services and Programs at 404/463-9073.

1265.20 Federal Loan Programs

Georgia State University participates with the federal government in the Federal Direct Student Loan Program. Eligible students may borrow funds from the Federal Subsidized Direct and Federal Unsubsidized Direct Loan programs. Parents of eligible, dependent undergraduates may borrow from the Federal Direct Parent Loan Program. The university will determine eligibility for each of these programs, originate, and disburse the loans directly to the student and/or parent borrower.

1265.30 Federal Direct Student Loans Program

Federal Direct Student Loans are available to assist students with costs associated with attendance at Georgia State University. 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. 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 (PLUS) Loan program. The Office of Student Financial Aid will determine loan eligibility by year in school, prior indebtedness, and academic standing.

1265.40 Federal Perkins Loan (FPL)

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 noncitizens. 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.

1265.50 Parent Loans for Undergraduate Students (PLUS)

Loans are available for parents of dependent students. The Office of Student Financial Aid will determine a parent’s eligibility. Loan eligibility is not limited to borrowers who demonstrate financial need. The maximum loan amount is based on the cost of attendance less other aid. Repayment begins within sixty days after disbursement. A complete application for student financial aid is required. Contact the Office of Student Financial Aid for application procedures.

1270 Employment

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

1270.10 Federal Work Study Program (FWSP)

The purpose of this employment program is to provide jobs to students who need financial aid. The applicant must demonstrate need. Eligible students will be placed in offices on campus. Eligible students with complete applications for student financial aid will be considered.

1270.20 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. Employment opportunities are accessible on the Internet at 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.

1270.30 Off-campus Employment

University Career Services offers career services to students from freshman year through one year after graduation. For additional information, see the section 1442.

1270.40 Presidential Assistantships

All incoming freshman and transfer students with a 3.0 or higher GPA are eligible to apply for a Presidential Assistantship. Students accepted into the Presidential Assistantship program work eight hours per week on academic projects with a faculty mentor and earn \$2,000 per academic year. Applications for the Presidential Assistantship are available in the Office of Admissions and the Honors Program Office at 404/651-2924.

1275 State Financial Aid Programs

The Georgia Student Finance Commission administers all state financial aid programs. Applicants may obtain more information on-line at www.gsfc.org or by calling 770/724-9030. Some GSFC programs include:

1275.10 Helping Outstanding Pupils Educationally (HOPE) Scholarships

The HOPE Scholarship pays tuition and fees and provides a book allowance. Recipients must be Georgia residents who meet and maintain GPA and other requirements as specified by the program. Please refer to the Financial Aid Office website at www.gsu.edu/financialaid for additional HOPE information.

1275.20 Governor's Scholarship Program

Awarded to Georgia graduating high school seniors who

have been designated as Georgia Scholars by the Georgia Department of Education.

1275.30 Law Enforcement Personnel Dependent Grant and Public Safety Memorial Grant

Available for children of Georgia law enforcement officers, firemen, and prison guards who were permanently disabled or killed in the line of duty.

1280 Scholarships

A scholarship is a form of nonrepayable financial assistance awarded to students based on academic excellence, civic achievements, course of study, or other specific criteria developed by the sponsor. The following is a listing of commonly awarded scholarships at Georgia State. Students may check the reference section in the Pullen Library for additional sources of private scholarships. Information on scholarship sources may also be obtained by making an appointment to use the "scholarship search" in the Career Development Center, 404/651-2215.

1280.10 General Scholarships

Students must complete a financial aid application by the priority deadline to be considered for the scholarships listed in this section. No separate scholarship application is required. Some of the available scholarship programs include:

Willie Mae Cathcart Scholarship
Zack Cravey Scholarship
Max M. Cuba Memorial Scholarship
Dr. John Henry Day Scholarship
William-Newland Day Scholarship
Ben W. Fortson, Jr., Scholarship
Carlyle Fraser Scholarship
Nell Hamilton Trotter Scholarship

1285 Additional Programs

Programs administered by offices other than the Office of Student Financial Aid are:

1285.10 Army Reserve Officers Training Corps Scholarships

The ROTC Program provides a limited number of two and three-year scholarships available to Georgia State University students on a competitive basis. These scholarships pay tuition and fees, a book allowance, and a stipend of \$200 a month for a 20- or 30-month period. A student need not be enrolled in ROTC to apply for these scholarships. The military commitment incurred by the scholarship may be served in the active Army or Reserve components. Additional two- and three-year scholarships are available for students enrolled in the Georgia State University nursing program who plan to serve as commissioned officers in the Army Nurse Corps. Contact the Military Science Department, 202 Courtland Building, or call 404/651-2275 for information.

1285.20 Honors Program Alumni Association Scholarship

Several of these scholarships are awarded each year to students enrolled in the honors program 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. Applicants can obtain information from the Honors Program Office at 404/651-2924.

1285.30 Freshman Scholarships

The Presidential Scholarship, the Berner Scholarship and the Goizueta Scholarship are awarded to outstanding entering freshmen. Renewable for four years, they include housing in the University Lofts, a stipend to support participation in a summer academic research/study program and the use of a laptop computer. The Goizueta Scholarship includes unsupported tuition expenses as well. For qualification requirements and application materials, contact the Office of Undergraduate Admissions at 404/651-2365. The application deadline is January 1 for the following fall semester. The following GSU Foundation scholarships are currently included in the Presidential Scholarship Program:

Alumni Trust Presidential Scholarship: An endowed scholarship created by the Alumni Association from individual gifts by alumni and Georgia State friends.

Berner Scholarship.

W. Lee Burge Presidential Scholarship: An endowed scholarship created by Equifax, Inc., in honor of Georgia State alumnus W. program.

Sherman R. Day Presidential Scholarship: An endowed scholarship created in honor of Dr. Sherman Day, who served as acting president of Georgia State University in 1991-1992.

Kenneth M. England Presidential Scholarship: An endowed scholarship created in honor of Professor Emeritus Kenneth England, who served Georgia State with distinction for 40 years as faculty member, Dean of Men, and Dean of Students.

Clara Lazar Feldman Presidential Scholarship: An endowed scholarship created by Sidney and Clara Feldman and their four children in honor of Mrs. Feldman.

Georgia State University Foundation Presidential Scholarship: Each year, the Georgia State University Foundation provides support to the Presidential Scholarship Program through its annual Margin for Excellence budget.

Goizueta Scholarship.

Noah Langdale, Jr. Presidential Scholarship: An endowed scholarship named in honor of President Emeritus Noah Langdale, Jr., who was president of Georgia State from 1957 to 1988.

Patrick H. Thomas Presidential Scholarship: An endowed scholarship created in honor of Georgia State alumnus Patrick H. Thomas.

Chris Yannapoulos Memorial Scholarship: An endowed scholarship created by Michael C. Carlos in memory of his father, Chris Yannapoulos.

1287 International Students, Students with Non-U.S. Academic Credentials, and Non-Native Speakers of English

1287.10 Financial Aid

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, E, F, I, G, K, or L 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 INS on their initial application for Financial Aid are required to submit appropriate documentation to the Financial Aid office. The Office is required to submit this documentation to INS for secondary confirmation. Until secondary confirmation is received, an individual cannot be approved to receive financial aid.

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.

1287.20 Other Rules

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 Immigration and Naturalization Service (currently 12 hours per semester for undergraduate students and nine hours for graduate students). Additionally, those F and J international students enrolling for the first time in summer school must carry six semester hours to be full-time. International students in the student visa status of F and J who wish to reenter must complete a new reentry form for the semester that they wish to attend. International students in the student visa statuses of B, F and J must be enrolled in the Georgia State University International Student Health Insurance Plan.

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

Non-Native Speakers of English. There are no other special rules for non-native speakers of English.

1290 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.

1290.10 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 economics, 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 given to a nontraditional student. Based solely on merit.

The Public Administration and Urban Policy Studies Student Scholarship: Demonstrated merit in letter of application and statement of goals. Recipient must maintain a GPA of 3.0 or better during time of award.

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.

1290.20 College of Arts and Sciences Scholarships

For more information about these scholarships, contact the Office of Associate Dean for Undergraduate Studies 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. Established in 1991 by Susan

Tepping, music faculty, and friends.

American Society of Composers, Authors and Publishers (ASCAP) Music Scholarship: Awards 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. 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. 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. 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.

The Robert Farrington Clayton, Jr., Scholarship: Awarded to a student majoring in percussion who demonstrates exceptional musical talent. Established by the Clayton family and friends.

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. Established in 2002 by Billy Densmore and friends.

Empire Agency Scholarship: A scholarship awarded annually to a music industry student. Criteria for selection of the recipient include superior academic performance and professional promise in the music business.

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. 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. 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.

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.

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.

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.

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.

The Harris M. Taft Memorial Music Scholarship: Awarded annually to a student majoring in music who has outstanding musical ability, financial need, and whose talents meet the current needs of the School of Music. This scholarship fund was established through gifts from the Taft family and friends.

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.

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. Established in 1999 by the Winick family and friends of Steven Winick.

Charles Thomas Wurm Music Scholarship: A 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.

1290.30 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.

1290.40 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.

Health Sciences Scholarships: Awarded annually to outstanding students enrolled 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, and good character. Applicants can obtain additional information from the Office of Student Financial Aid.

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.

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.

1290.50 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.

American Hotel Foundation Scholarships: AHF offers several types of scholarships for hospitality majors. Some of these are based on scholastic performance while others focus more on financial need and career goals. These scholarships include the Rama Scholarship for the American Dream and the Cecil B. Day Memorial Scholarships.

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 (www.aicpa.org) 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. This award is presented annually to the outstanding student in actuarial mathematics.

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 Insurance Women's Club. This scholarship of

\$2,000 is awarded annually to a female who is majoring in risk management and insurance at the undergraduate or graduate level and who plans to make insurance her career. Criteria include scholarship and need. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to July 1.

Atlanta Chapter, Risk and Insurance Management Society: The Atlanta Chapter of RIMS sponsors scholarships 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 prior to July 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 prior to July 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 July 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 prior to July 1.

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.

The Kathryn C. Buckner/PricewaterhouseCoopers Scholarship: These scholarships provide two \$3,000 annual awards to attract exceptional senior undergraduate students into a fifth year in accounting or taxation.

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.

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. The application deadline is May 31.

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 deadline for applications 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 prior to July 1.

Deloitte & Touche Achievement Award: This \$500 award goes to a junior who has attained high academic standing and shows evidence of leadership and professional promise in accounting. **William G. Duffey Memorial Scholarship:** This \$1,500 scholarship sponsored by the Atlanta Association of Health Underwriters is awarded annually to a junior or senior majoring in risk management and insurance. Applicants must be full-time students with a minimum 3.00 GPA including transfer and Georgia State work with no fewer than 15 semester hours completed at Georgia State. Other criteria include character, leadership ability, financial need, and an interest in pursuing a career in the life and health insurance industry. Applications may be obtained from the Department of Risk Management and Insurance prior to July 1.

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 a finance major. The recipient must be of outstanding character and plan to pursue a career in banking. Selection is based on the students' academic records.

Educational Foundation of the Georgia Society of Certified Public Accountants, as well as the Atlanta, Gwinnett, and North Perimeter Chapters, generally offer several scholarships on a competitive basis.

Faculty Recognition Award of \$250-\$500: This award is given to an accounting student with an outstanding grade point average both in the major and overall and who shows promise of professional aptitude. The recipient also must be considered a leader in school organizations and campus life.

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.

Frazier & Deeter Scholarship: The \$500 Frazier & Deeter Scholarship is awarded to an outstanding junior or senior accounting major who is a resident of metropolitan Atlanta.

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.

Georgia CCIM Chapter Scholarship: Funded by the Commercial Real Estate Institute, the scholarship is given annually to a real estate major planning a career in commercial real estate. In addition to a \$1,000 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. Application deadline is September 30.

Georgia Self-Insurers Association: This annual scholarship of up to \$2,500 is awarded to an undergraduate or graduate student majoring in risk management and insurance. Selection is based on academic performance and merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to July 1.

Floyd S. Harper Award: The late Dr. Harper was instrumental in the formation of the Georgia State Actuarial Science Program in 1958. This award is presented 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.

Elmer Hedge Institute of Real Estate Management Chapter 67 Scholarship: This \$1,000 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.

Insurity Solutions, Inc. Scholarship: This annual scholarship of up to \$2,500 is awarded to a promising undergraduate or graduate student majoring in risk management and insurance. Selection is based primarily on merit. Candidates should apply to the Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to July 1.

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. Applications must be returned no later than 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. Applications must be returned to that department by 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. Applications must be returned no later than January 31.

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.

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.

The Matrix Resources, Inc. Scholarship: This scholarship is an annual award of \$2000 to the most qualified junior, senior or master's computer information system major. This award is based primarily on financial need and academic excellence. Students eligible for this award must plan to reside in Atlanta, Dallas, Phoenix, or Raleigh upon graduation.

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 prior to July 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 July 1.

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.

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.

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.

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 faculty for over 25 years.

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, 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 Scholarship/Fellowship Committee of the Department of Risk Management and Insurance prior to July 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 prior to July 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 prior to 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.

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 prior to July 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.

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: This award is presented 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 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.

All students must become especially familiar with (1) this chapter, (2) their college's chapter of this catalog, (3) the offerings and requirements of their major, and (4) the contents of the on-line *Registration Guide* found at www.gsu.edu/registrar, which can also contain notices of changes in academic regulations or procedures.

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. The university will make every effort to keep students advised of any such changes. Information on changes will be available in the Office of the Registrar for changes made by the university and in the Student Advisement Center and the appropriate Office of Academic Assistance for changes made by a college. 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 e-mail 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.

1302.30 Semester Calendar

Georgia State University is on a semester calendar, and academic credit is awarded in semester hours. The fall and spring semesters are approximately 15 weeks each. Summer semester is composed of a three-week session in May and, beginning in June, seven-week and six-week sessions. Enrollment in the three-week session or either the seven-week or six-week summer session 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 the Registrar (university-wide information on undergraduate core curriculum), the Office of Academic Assistance of each college (major-related undergraduate and graduate information), and on the web site, www.gsu.edu.

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 orientation is required of all new undergraduate degree-seeking students entering Georgia State. Academic orientation may be accomplished in ways such as: attending an academic advisement session at Incept (the preferred method), joining a Freshmen Learning Community, meeting with an academic adviser, attending 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 various programs and services, such as Incept: New Student Orientation.

During Incept, students will learn about degree requirements through group academic advisement, increase their opportunity to get preferred courses through priority registration, interact with faculty about the classroom experience, and tour Georgia State's unique urban campus.

The Office of New Student Programs is located in 265 Student Center. For more information, call 404/463-9065.

1310.20 Placement Testing

All new degree-seeking undergraduate students who do not have credit for an Area A math course are required to take a math placement test before registering for classes. This test is given as part of Incept: New Student Orientation and also by appointment in the university's Testing Center. See www.gsu.edu/placementtests. Students must take the math course indicated by the placement test.

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 www.gsu.edu/languages and click on the last link, 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 404-651-2265 or mclinfo@gsu.edu.

Students who are non-native speakers of English must take the Georgia State 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.

1310.30 Student Advisement Center

255 Sparks Hall, 404-463-9500, Fax: 404-463-9521

www.gsu.edu/advisement

Tim Woltering, Director

Cathey Eves, Associate Director

Advisers: Eric Brown, Kathleen Couchonnal, Elisha Jarrett, Jonathan Keith, Jennifer Lee, Beatrice Logan, Belinda Mack, James Spencer, Annie Turman

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; and
8. Provide direction to campus resources for further assistance.

Students may schedule advisement appointments by calling the center. 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. Office hours are 8:30 a.m.-6:00 p.m., Monday-Thursday and 8:30 a.m.-5:15 p.m., Friday.

1310.40 Freshmen Learning Communities

Office of Undergraduate Studies

208 University Center, 404/651-2717 or 404/463-9707, fax: 404/463-9708

www.gsu.edu/flc

Nannette Commander, Director

Freshmen Learning Communities (FLC) are designed around clusters of freshmen-level courses tailored to a particular topic. Students selecting an FLC take a group of core courses related to a common theme during their first semester at Georgia State. They will only have to register for their FLC, not for each course, to be assigned to each of the sections in the course cluster. During the second semester, students may take one course connected with the FLC in addition to other courses of their choice.

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 advisers and a junior- or senior-level student mentor. Together, this group creates a small, friendly community within the large research university. Benefits of the FLC include:

1. Easier registration—register for one FLC rather than separate courses.
2. Easier advising—the FLC serves as an advising tool for students unsure of how to maneuver through the general education part of their degree.
3. Enriched freshman experience—students quickly get to know fellow students, faculty, and upperclassmen.
4. Enhanced intellectual involvement—the FLC provides a forum for discussion of new ideas.

For further information about the FLC offerings, contact the FLC office.

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. 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 advisor 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. Withdrawal before the midpoint will result in a grade of W or WF, and withdrawal after the midpoint will result in a grade of WF. 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.

In accordance with the university's grading policy, the following grades are possible in LSP courses: A, B, C, D, F, W, WF, IP. See Section 1350 of this chapter for a full explanation of the university's grading policy.

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 test 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.

1310.60 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.

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. The University Career Services will provide the names of these students to 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, 404/651-2464.

1320 Course Credit

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

1320.10 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 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 27 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 1370.15).
- Georgia State University 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 who hold
 - 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 GSU or a GSU-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 will be granted credit for all of Areas A-E of the core and the Regents' Test.
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 Bachelor of Science in

Nursing 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 GSU degree-seeking undergraduate as a transient student at another accredited institution, for which the student wishes to receive transfer credit toward the Georgia State degree. 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 1370.15).
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. It is the student's responsibility to request promptly that an official transcript be sent from the other institution to: Georgia State University, Office of the Registrar, P.O. Box 4017, Atlanta, GA 30302.

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 at 404/651-2217. 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 following sections.

DANTES Program Examinations. Georgia State University awards credit for some DANTES (Defense Activity for Non-Traditional Education Support) Program subject examinations. Please contact the Office of Undergraduate Admissions at 404/651-2365 for information.

1320.50 College Board Advanced Placement (AP) Examination

Academic departments have the authority to determine how much course credit will be awarded for College Board Advanced Placement (AP) examinations. 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 404/651-2365. 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 University Course Credit) = equivalent course prefix and number or explanation

History of Art: (3, 4, 5) = ART 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.

General Biology: (3) = BIOL 1107K; (4,5) = BIOL 1107K, 1108K

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
 French Language: (3) = FREN 2001; (4) = FREN 2001, 2002; (5) = FREN 2002 and 3000-level course to be determined after consultation with department.
 German Language: (3) = GRMN 2001; (4) = GRMN 2001, 2002; (5) = GRMN 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
 Latin: Vergil: (3, 4) = LATN 2001, 2002; (5) = LATN 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
 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) = MUS 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 2002 and a 3000-level course to be determined after consultation with department.
 Spanish Literature: (3) = SPAN 2001
 Spanish Literature: (4) = SPAN 2001 and SPAN 2002
 Spanish Literature: (5) = SPAN 2002 and a 3000-level course to be determined after consultation with department.
 Human Geography: (3, 4, 5) = GEOG 1101
 Art 2D Design: (3, 4, 5) = ART 1030
 Art 3D Design: (3, 4, 5) = ART 2040
 World History: (3, 4, 5) = HIST 1112

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. Academic departments have the authority to determine how much course credit will be awarded for CLEP examinations. 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 University Course Credit

American Literature (w/essay): Engl 2130
 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 1107k
 General Chemistry*: Chem 1099
 Trigonometry*: Math 1099

*Elective Credit Only.

Additional CLEP Information:

- 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.
- Foreign language credit awards are as follows:
 - 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.
 - 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.
 - 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.
- If a student scores 50 or higher for American History I AND American History II, three semester hours will be granted for History 2110.
- Exams may be scheduled by contacting Georgia State University's Testing Center, telephone 404/651-2217.

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. Academic departments have the authority to determine how much course credit will be awarded for IB examinations. 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 University Course Credit) =
equivalent course prefix and number or explanation

Art: (5, 6, 7) = ART 1010
 Biology: (5) = BIOL1107K
 Biology: (6, 7) = BIOL1107K and BIOL 1108K
 Chemistry: (5) = CHEM 1211K
 Chemistry: (6, 7) = CHEM 1211K and CHEM1212K
 Computer Science: (5, 6, 7) = CSC 1099
 Economics: (5, 6, 7) = ECON 2105 and ECON 2106
 English: (5, 6, 7) = ENGL 1101 and ENGL 2110
 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 and PHYS 2212K
 Psychology: (5, 6, 7) = PSYC 1101
 German: (5) = GRMN 2001 and GRMN 2002
 German: (6, 7) = GRMN 2001 and GRMN 2002 and a 3000-level course to be determined after consultation with department.
 French: (5) = FREN 2001 and FREN 2002
 French: (6, 7) = FREN 2001 and FREN 2002 and a 3000-level course to be determined after consultation with department.
 Spanish: (5) = SPAN 2001 and SPAN 2002
 Spanish: (6, 7) = SPAN 2001 and SPAN 2002 and a 3000-level course to be determined after consultation with department.
 Chinese: (5) = CHIN 2001 and CHIN 2002
 Chinese: (6, 7) = CHIN 2001 and CHIN 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

*Exams must be at the higher level. No credit is awarded for standard level exams.

1330 Registering for Classes

1330.05 Office of the Registrar

227 Sparks Hall, 404/651-2383

www.gsu.edu/registrar

1330.10 Registration Procedures

A student may not attend a course unless he or she has registered for that course. Detailed information concerning the registration process, registration time-ticket assignments, and GoSOLAR registration can be found on-line at www.gsu.edu/registrar. 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. It should be understood that 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 Office of the Registrar.

1330.15 Registration Time-Ticket Assignments

Students who are eligible to register will be given a registration time-ticket assignment. The first eight 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 (student.gosolar.gsu.edu). Students will also receive an e-mail 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-ticket assignments 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. During Late Registration, access is on a first-come, first-served basis, and, if an initial registration, a \$50 non-refundable late registration fee will apply.

1330.20 Immunizations

The Board of Regents of the University System of Georgia requires that all students provide proof of immunity to measles,

mumps, and rubella. No student will be allowed to register for classes (regardless of age) until the completed immunization information has been accepted by Georgia State University's Health Services Department. Proof of immunity records must indicate the dates of the vaccines or the lab tests and must be documented by a medical facility stamp and medical professional's signature. For students born after 12/31/1956, proof of immunity to measles, mumps and rubella is required. For students born on or before 12/31/1956 proof of immunity to rubella only is required.

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.

1330.25 Audit Status

Students who wish to audit a course must get approval from the course instructor. Registration for audit is done in the Office of the Registrar. Any fees for auditing a class are assessed just as for courses for credit based on the semester hours of the course. Any requirements for prerequisites must be satisfied before registering to audit a course. No academic credit is earned in this status. 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, undergraduate students must carry a minimum of 12 semester hours and graduate students must carry a minimum of nine semester hours. A course load of 30 semester hours per year is required in order to complete an undergraduate degree program in four years. Undergraduate courses taken by graduate students may be counted toward their academic load as specified in writing by their graduate college.

Half-time Course Load: Half-time enrollment is 6 to 11 semester hours for undergraduate students and 5 to 8 semester hours for graduate students.

Increased Course Load: An undergraduate student may schedule as many as 18 semester hours without special permission. See the on-line *Registration Guide* at www.gsu.edu/registrar 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 University and, if he or she is a reentering student, he or she has achieved a grade of A for all credit hours earned elsewhere since the most recent enrollment at Georgia State University; or
2. The student has earned 60 semester hours of credit with 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 Immigration and Naturalization Service (currently 12 hours per semester for undergraduate students and nine hours for graduate students). Additionally, those F and J international students enrolling for the first time in summer school must carry six semester hours to be full-time.

1330.35 Taking a Course More Than Twice

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 must be 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 who wish to learn more about cross registration or obtain an ARCHE Cross Registration form may contact the cross registration coordinator in the Office of the Registrar, 227 Sparks Hall, 404/651-0559 for additional information and deadline requirements.

Students who wish to cross register must complete and submit an ARCHE Cross Registration form to the Office of the Registrar at Georgia State University. 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: undergraduate 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. Graduate students must have at least a 3.0 GPA. Courses taken through cross registration count as residence credit, and grades are included in the Georgia State University grade point average.

Students are not allowed to preregister 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. GSU 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.

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

1330.50 Changes in Personal Data

GoSOLAR (student.gosolar.gsu.edu) 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 Office of the Registrar (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 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 is found on GoSolar (student.gosolar.gsu.edu).

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 the Georgia State University website (student.gosolar.gsu.edu) by using your pin code or by submitting a signed, written request to P. O. Box 4017, Atlanta, GA, 30302. You are entitled to five (5)

lifetime transcripts. Once you have exhausted your five, free transcripts, Georgia State University will charge a \$10.00 processing fee for each transcript processed thereafter. There is a three (3) day processing period for web requests; written requests may require up to fifteen (15) days. Picture identification is required to pick up transcripts.

Transcript requests will not be processed until complete payment is received. All payments must be received along with the transcript request. At this time, the payment must be in the form of a check or money order for a written request. Credit card payment is required for web requests. Cash will not be accepted for either written or 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 education records will be provided upon written request, when permissible.

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. During the published registration periods for each semester students will revise their schedule on GoSOLAR (student.gosolar.gsu.edu). Schedule revisions are defined as any changes to a student's schedule and include dropping and/or adding classes. To remove a course from a class schedule during the published registration periods is, therefore, referred to by the university community as "dropping" a course. To remove a course from a class schedule after the last day to register for course credit as published in the on-line *Registration Guide* at www.gsu.edu/registrar is referred to as "withdrawing" from a course and makes the student eligible for a withdrawal grade of W or WF which 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 on-line *Registration Guide* at www.gsu.edu/registrar. Students who wish to request, based on institutional error, to be allowed to register for a course after the deadline should contact the Office of the Registrar.

1332.10 Dropping Classes and Voluntary Withdrawal

Students wishing to drop or withdraw from a class must follow the procedure appropriate for the period of time in the semester (as indicated below). Students enrolled in the Learning Support Program (see Section 1310.50), Regents' Testing

preparation courses (see Section 1370.30) or in the Academic Improvement Program (AIP) (see Section 1360.20) must also contact the Student Advisement Center for advisement in withdrawing from classes. Students enrolled in ESL courses should contact the Department of Applied Linguistics/ESL for withdrawal advisement.

1. During registration

During this period, students may drop or add classes on GoSolar (student.gosolar.gsu.edu). When a class is dropped, no grade is recorded and no record of the student's being enrolled in the course appears on the transcript.

2. After registration and before the midpoint of the term

During this period, students may withdraw from a class or classes and will be assigned a W or a WF by the instructor. (See the grading system described in Section 1350.) The necessary actions should be taken as soon as the decision to withdraw is made.

3. 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. However, they will receive a WF. (Note that a WF is treated as an F for GPA calculation purposes.)

Adds, drops, and voluntary withdrawals must be done via GoSOLAR (student.gosolar.gsu.edu). Failure to follow this procedure will result in the awarding of a grade of WF. Note that a WF is treated as an F for GPA calculation purposes.

Voluntary withdrawals must be completed no later than two weeks before the last day of scheduled classes for the term.

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 by calling 404/463-9023.

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 GSU 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 University after the first week of classes, then the student may choose between three options:

- they may have the course dropped from their schedule (even if the course is cancelled after the end of Late Registration, or
- they may take a W in the course, or
- in coordination with the course instructor and the department chair, each 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 (e.g., 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 or WF by the instructor. 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. The instructor will notify, in writing, 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 after the midpoint of the semester when nonacademic emergency situations which prevent them from completing their course work occur. Hardship withdrawals are subject to the following restrictions:

- Students are not eligible for hardship withdrawals in any course in which they have completed the course requirements (e.g., taking the final exam or submitting the final project).
- 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 the courses a student took in a semester but in some cases may be granted for some of a student's courses. 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.

Decisions regarding hardship withdrawals shall be made, in the first instance, by the Dean of Students. The Dean of Students is not authorized to grant exceptions to the two restrictions above. If the student or the faculty members involved in a case wish to appeal the decision of the Dean of Students, or if the Dean of Students feels that an exception to the two restrictions above is justified, the student's case shall be considered by the Hardship Withdrawal Appeals Committee. If the Hardship Withdrawals Appeals Committee is considering granting an exception to the two restrictions above, the

instructor of the course(s) in question shall be contacted in advance of the Committee's meeting and offered the opportunity to write a letter to the Committee stating anything the instructor feels is relevant to the case. Appeals of the decisions of the Committee may be initiated by either the faculty or the students involved in the case and shall be heard by the Provost.

For further information on hardship withdrawals, contact the Office of the Dean of Students by calling 404/463-9023.

1332.50 Administrative Withdrawal

A student may be administratively withdrawn from the university when in the judgment of the dean of students, the director of the Counseling Center, and the university physician, if any, and after consultation with the student's parents and/or personal physician, if any, it is determined that the student suffers from a physical, mental, emotional, or psychological health condition which: (a) poses a significant danger or threat of physical harm to the student or to the person or property of others; (b) causes the student to interfere 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; or (c) causes the student to be unable to meet institutional requirements for admission and continued enrollment, as defined in the fee payment rules of the university, Student Conduct Code and Policies, and other academic policies of the university. Except in some situations, a student shall, upon request, be accorded an appropriate hearing prior to the final decision concerning his or her continued enrollment at the university. Students who are administratively withdrawn will be assigned a grade of W or WF by the instructor if they are withdrawn before the semester midpoint and a WF if they are withdrawn after the semester midpoint.

1332.60 Number of Withdrawals Restriction

Any student who earns four or more Ws and/or WFs in a single term shall have an advisement hold placed on their record. The hold will be removed after the student has seen an academic advisor. Any student who earns 8 or more Ws and/or WFs in his/her academic career at Georgia State University shall have an advisement hold placed on their record. The hold will be removed after the student has seen an academic advisor.

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. There are two formal institutional regulations regarding class attendance: Regents' Test Preparation course attendance policy (see Section 1370.30) and the veterans' attendance policy (see below).

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, with the exception of university approved activities. 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 earned semester hours of academic credit as follows:

<u>Student Status</u>	<u>Semester Hours</u>
Freshman	fewer than 30
Sophomore	30 or more, but fewer than 60
Junior	60 or more, but fewer than 90
Senior	90 or more
Graduate	formally admitted to graduate student status.

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 curricular degree requirements of the catalog in effect at the time they enter Georgia State University. (See Academic Calendar section.) In some circumstances, revisions may be required to provide more effective programs. The term "curricular 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 University;
5. Reenrolls at Georgia State University after attending another institution as a transient student with the intention

of transferring credits earned at the other institution to Georgia State University 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 University 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 curricular degree requirements of a later catalog, but, if they choose to do this, they must meet all the requirements of the later catalog. Curricular 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 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 curricular degree requirements in effect at the time the change is officially recorded.

1340.40 Dual Degrees

Dual degrees are earned when a student satisfies all requirements for two baccalaureate degrees within one or more colleges of Georgia State University. (A student may earn the Bachelor of Business Administration degree only one time.) 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.

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 University.

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, 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 requirements for both majors must be completed before the degree is awarded.

Students who wish to pursue a double major, one of which is in the College of Arts and Sciences, are not required to complete a minor, but must still complete the College of Arts and Sciences program requirements.

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 Georgia State college, 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.

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 before the midpoint of the grade period while doing failing work,
- 2. Was involuntarily withdrawn from a course before the midpoint of the grading period while doing failing work,
- 3. Voluntarily withdrew from a course after the midpoint of the grading period and was not awarded a hardship withdrawal, or
- 4. 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, doing passing work, was permitted to withdraw from the course without penalty. This symbol indicates that a student, doing passing work, withdrew or was withdrawn from the course without penalty. (See “WF: Withdrawal While Failing”, above, and Section 1332.)

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.)

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.

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.

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*.

1350.20 Cumulative Grade Point Average

Determinations of scholastic standing are generally based upon a cumulative grade point average that appears on each student's permanent record. For undergraduate students, 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 on either the undergraduate or graduate levels 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 equivalents (grade point) for academic letter grades are as follows:

A	4.0
B	3.0
C	2.0
D	1.0
F	0
WF	0
IP	0

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 nonpunitive 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 Registrar and recorded cannot be changed except in the following circumstances:

1. Error in grade. An incorrect course grade will be changed by the Registrar upon receipt of a properly executed Grade Adjustment form signed by the instructor of the course and the chair of the department in which the course is offered. In the case of a successful student appeal under the established grade appeals procedure of the college involved, an incorrect course grade will be changed by the Registrar upon the receipt of a written request from the dean of the college in which the course is offered.
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 form from the instructor. Using the grade adjustment form, instructors may change this F to any authorized academic grade (e.g., A, B, C, D, S, etc.) but may not change it back to an I. 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. Effective Fall 2003, no student may graduate with an incomplete grade.

Each grade change must receive the approval of the chair of the department offering the course before the change may be recorded by the Registrar, except for administrative grade changes such as the required changes of grade of I to a grade of F as specified above. Grade assignments that violate university policy should be corrected by the appropriate instructor with the approval of the appropriate department chair. The Registrar is responsible for ensuring that recorded grades are as prescribed by university policy and the regulations of the Board of Regents of the University System of Georgia. 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.

1352 Academic Recognitions

1352.10 Semester Recognition

Faculty Scholar: 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 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 University and within a period of 36 months.

1352.30 College Honors Day

The following general awards and Dean's Scholarship Keys for undergraduate students are awarded on a scheduled basis through the appropriate colleges.

Alpha Lambda Delta Book Award: National Alpha Lambda Delta recognizes the graduating senior with the highest GPA who was also a member of Alpha Lambda Delta. The award is a book with an appropriate plate bearing the recipient's name and presented to the recipient.

The Alpha Xi Delta Cup is awarded to the woman undergraduate, currently enrolled as a sophomore or junior, who is selected by Alpha Xi Delta as the most outstanding in scholarship, leadership, and activity. The student must be a member of at least two organizations of the university, be a member of a sorority, and hold a responsible position in at least one of the two. The student must have a 3.5, average.

The Blue Key Sophomore Award: Two awards are made annually, one to the male student and one to the female student currently enrolled who upon completion of their sophomore year have attained highest scholastic averages and who have been enrolled as full-time students at Georgia State University for their entire freshman and sophomore years.

Willie Mae Cathcart Scholarship Award: See "General Scholarships" listing for more information.

Max M. Cuba Scholarship: See "General Scholarships" listing for more information.

Faculty Scholarship Plaque. The plaque acknowledges students' continuous and long-term commitments to academic excellence. The criteria are listed under "Academic Recognitions" in the "Academic Regulations" chapter of this catalog.

The Fraternity Scholarship Plaque: This plaque is awarded by the Interfraternity Council to the men's social fraternity whose members, in competition with the other fraternities, have maintained the highest scholastic average for the past year.

Golden Key Scholarship Award: This award is given each year to two new members of the Golden Key Honor Society who are selected on the basis of scholastic achievement, economic need, good character, and student (campus) activities.

The W. S. Kell Award is given each year by the president of Georgia State University in memory of the late W. S. Kell, founder and first director of what was once the Evening School, to the senior who, upon graduation, has made the highest scholastic average with all work taken at the university.

The Virginia and Calvin L. Kiah Award: Awarded to the student who best exemplifies leadership in the area of racial harmony and unity. To be eligible the student must be in good academic standing.

The Crimson Key Chapter of Mortar Board Award is made to the member of the senior class selected by Crimson Key, as the most outstanding in accomplishment for the year.

The Omicron Delta Kappa Henry T. Malone Award is

awarded to the member of the sophomore class who best exemplifies ODK ideals, namely maintenance of a scholastic average in the upper 35 percent of the class while showing outstanding leadership ability as illustrated by the student offices held and the activities in which the student has participated.

The Omicron Delta Kappa Pickett H. Riggs Senior Award is presented annually to the graduating senior with the highest scholastic average.

The Phi Beta Kappa Faculty Group Competition Awards are presented annually for distinguished undergraduate papers or artistic creations which represent significant achievement in their fields and which conform to recognizable criteria for scholarly or artistic excellence. The areas of the competition are the arts and humanities, the social sciences, and mathematics and the natural sciences.

The Phi Beta Kappa Faculty Group Scholarship Certificates are presented each year to students, chosen by a faculty group composed of members of Phi Beta Kappa, for scholarly achievement in the liberal arts and sciences.

The Phi Chi Theta Atlanta Alumni Chapter Scholarship is awarded annually in recognition of scholastic achievement, financial need, and service to Phi Chi Theta.

The Phi Chi Theta Claire Hammond Diercks Scholarship is given to an undergraduate or graduate member of Phi Chi Theta Business Fraternity who has a distinguished scholastic record, has demonstrated leadership in Phi Chi Theta, and has participated in other activities at Georgia State University or in the community.

The Phi Chi Theta National Key Award is offered annually by the Upsilon Chapter of Phi Chi Theta on the basis of scholarship, activity, and leadership, to the student who, at the completion of the junior year, has maintained a 3.5 average, and who in the opinion of the Committee of the Faculty, best fulfills the foregoing requirements.

The Phi Chi Theta Thera Richter Scholarship: This scholarship is awarded annually to a junior, senior, or graduate member of Phi Chi Theta who has displayed outstanding achievement, rendered service to the fraternity, and has distinguished himself or herself in other university activities.

The Phi Eta Sigma Freshman Excellence Award is awarded to the member of the freshman class who has the highest scholastic average and has shown leadership on campus.

The Lamar R. Plunkett Award of Phi Kappa Phi is a resident tuition award and plaque given to a third or fourth semester freshman who has completed at least 30 semester hours of credit at Georgia State University with a minimum of ten hours per semester in a degree program. The deans of the various colleges recommend candidates to an awards committee of Phi Kappa Phi for final selection. The recipient is chosen on the basis of scholarship and potential leadership and service in the university.

The Senior Award is given each year to members of the senior class who have demonstrated outstanding leadership, initiative, and service to the university.

The Roy Brown Sewell, Sr. Phi Kappa Phi Scholarship Award is a resident tuition award and plaque given to a rising junior enrolled in a program leading to the baccalaureate degree. The award shall rotate yearly from one college to the next. The

dean of the college and a committee of his or her selection shall choose the recipient on the basis of high scholarship, service, and potential.

The Sorority Scholarship Cup is awarded to the women's social fraternity whose members, in competition with other fraternities, have maintained the highest scholastic average for the past year.

The George M. Sparks Scholarships are presented to students who have proven scholastic ability and who have demonstrated the need for assistance. See the "General Scholarships" listing for more information.

William M. Suttles Scholarship Fund: See the "General Scholarships" listing for more information.

Nell Hamilton Trotter Scholarship: This annual award honors Dean Trotter (retired). See the "General Scholarships" listing for more information.

The Jane Wilson Memorial Award recognizes outstanding scholarship, service to the Intersorority Council, and service to the university. In addition, preference will be given, when possible, to students majoring in marketing.

Who's Who Among Students in American Universities and Colleges lists a restricted number of students from many of the accredited institutions in the United States in recognition of outstanding achievement, both academic and extracurricular.

Women's Studies Award for Outstanding Achievement in Scholarship and the Arts: This award is to recognize undergraduate scholarly or artistic achievement in the study or representation of women. Undergraduate students from any department who are enrolled at Georgia State University for at least one semester during the preceding calendar year may submit their work for evaluation by a Women's Studies Faculty Committee. Such work should reflect sensitivity to the values of the new scholarship on women.

Andrew Young School of Policy Studies Awards

The Andrew Young School of Policy Studies Service Award: Given in recognition of special service to the Andrew Young School and Georgia State University.

The Dean's Scholarship Key: Awarded to students maintaining a 4.0 grade point average for 30 hours in residence, a 3.8 for 60 hours, and a 3.65 for 90 hours, or a 3.5 grade point average for 120 hours in residence.

The Faculty Scholarship Plaque: Awarded to students maintaining a 4.0 grade point average while earning a prescribed number of credit hours at Georgia State University.

The Economics Award: The contenders for this award will be the three economics majors with the highest overall average. The winner will be the student who has achieved the highest average in economics courses above the 2000 level.

The United Air Lines–Eddie Carlson Award in Aviation Administration: This award is given annually to an outstanding student in the aviation administration program. The student will be chosen by the chair of the Department of Public Administration and Urban Studies and the faculty of the aviation administration program.

The Wall Street Journal Student Achievement Award in Economics: This award is presented to the outstanding graduating senior majoring in economics, selected by a committee of the faculty of the Department of Economic.

The William R. Gable Award: This award honors Dr. William R. Gable, dean of the College of Urban Life, 1973-1975. Criteria for scholarship selection include high academic standing and professional promise.

College of Arts and Sciences Awards

African-American Studies Department Award: This award is presented annually to the senior African American Studies major with the highest overall grade point average.

American Mineralogist Undergraduate Award: The American Mineralogist Undergraduate Award is given annually to a geology major, usually of junior or senior standing, who has an outstanding scholastic record in mineralogy or petrology. The award is sponsored by the Mineralogical Society of America.

Anthropology Departmental Award: Presented annually to the graduating senior who has achieved the highest scholastic average in anthropology.

The George Beiswanger Award is awarded to the outstanding philosophy major of the year. It is named in honor of Dr. George Beiswanger, professor emeritus of philosophy.

The John Bent Award for Excellence in Radio-Television Journalism is given annually to a Georgia State journalism student by the Atlanta Press Club in memory of the late news director of WQXI-TV.

The Biology Department Award is presented annually to the graduating senior who has achieved the highest scholastic average in biology.

Chemistry Awards are given to those students who display excellence in the first-year laboratory courses.

The Computer Science Award is presented annually to the most outstanding graduating computer science major. To be eligible for the award, a student must have completed either CSc 4520 or CSc 4336 and at least 120 semester hours of course work, with no more than eight semester hours remaining in the major, and a grade point average of at least 3.5 in upper-division courses related to the major. Eleven semester hours of courses that count toward the major must have been taken at Georgia State.

The Department of Geography NCGE Outstanding Senior Award is awarded to the outstanding senior in the Department of Geography by the National Council of Geographic Education.

Vickie York Fair Award for Excellence in Public Relations: Awarded annually to a journalism major concentrating in public relations. The recipient is chosen on the basis of academic achievement, outstanding character, and the desire to pursue a career in public relations.

The Bert H. Flanders Award is named for a former head of the Department of English and is given each year to a freshman who has done superior writing in the composition courses.

Foreign Language Awards: Graduating seniors of outstanding ability majoring in classics, French, German, or Spanish as well as teacher education receive awards on Honors Day. Four undergraduate students with the highest grade point average in classics, French, German, or Spanish who have completed all four lower-division language courses at Georgia State University are also honored.

The Jessie Garren Memorial Sociology Honors Award is

presented to an undergraduate sociology major who has demonstrated a high level of scholarship as well as a sense of excitement about, and creativity in, the sociological enterprise.

Vera Jernigan Green Memorial Art Award: Annual award to be given to an art student in good academic standing in his or her junior year with a major concentration in painting, having completed at least one semester of his or her junior year. The award will recognize the most promising student in this concentration and will be based totally on merit. Applicants should contact the director of the School of Art and Design.

The Lambda Alpha Award is presented to a student member of the Lambda Alpha Honorary Society selected from a list of nominees presented by the society members and chosen by the anthropology faculty.

The V. V. Lavroff Calculus Award is presented annually to the most outstanding students who have completed the full calculus sequence at Georgia State University. The award is presented in honor and recognition of V. V. Lavroff, who is professor emeritus of mathematics and who was the first chair of the department, for his 42 years of devoted service. To be eligible for the award, a student must have a 4.0 average in all four of the calculus courses. Final selection is by the Honors Committee of the Department of Mathematics and Computer Science.

The James Madison Political Science Award is presented annually to the senior political science major with the highest overall grade point average.

The Mathematics Award is presented annually to the most outstanding graduating mathematics major. To be eligible for the award, a student must have completed Math 4667 and at least 120 semester hours of course work, with no more than six semester hours remaining in the major, and a minimum grade point average of 3.5 in upper-division mathematics courses. In addition, 11 semester hours of courses that count toward the major must have been taken at Georgia State University. Final selection is by the Honors Committee of the Department of Mathematics and Computer Science.

The Carl Maelshagen Memorial Award is presented annually to the history major with the most distinguished record in the three freshman survey courses. Eligibility for the award includes completion of the three freshman history survey courses before achieving senior status and a minimum grade point average in these courses of 3.5.

The Ralph Emerson McGill Award for Excellence in Newspaper Journalism is given annually to a Georgia State journalism student by the Atlanta Press Club in memory of the late editor-publisher of *The Atlanta Constitution*.

The Arthur K. Moore Award, given by Lambda Iota Tau, honors the late Callaway Professor of Language and Literature; it is presented annually to a student who attains excellence in literary criticism.

Marguerite Pettes Murphy Award: Annual award in the Department of English given to a graduate student with a fine scholastic record who, as either a graduate teaching assistant or a part-time instructor, has demonstrated excellence in the teaching of freshman- and sophomore-level courses.

The Outstanding Undergraduate Psychology Award is awarded annually to undergraduate students in the Department

of Psychology based on excellence of performance in psychology.

The Phi Alpha Theta Award is presented annually to the outstanding graduating history major. Eligibility for the award includes 155 semester hours of completed course work, including 35 semester hours in history, and a minimum grade point average in history courses of 3.5.

The Psychology Faculty and Alumni Award: This award is made annually to an outstanding graduate student in the Department of Psychology. Award decisions are made by a faculty/student committee. For additional information contact the Department of Psychology.

The James E. Routh Award is named for a former head of the Department of English. This award is given annually to an English major, a senior, whose academic work, especially in English, has been of outstanding quality.

Society of Professional Journalists Citation for Achievement: Awarded by the national professional journalist society to the outstanding journalism graduate.

Statistics Award: The Statistics Award is presented annually by the Department of Mathematics and Computer Science to the most outstanding graduating mathematics major with an emphasis in statistics. The recipient must have completed Math 451 and at least 120 semester hours of course work with no more than 10 semester hours remaining in the major and a grade point average of at least 3.5 in the statistics courses. In addition, 25 semester hours of course work toward the major, including 15 semester hours in the statistics courses of emphasis, must have been taken at Georgia State University.

Frank Holt Stedman, Jr., Outstanding Senior Award: Awarded by the faculty of the Department of Geography to that special student who has excelled by demonstrating drive and perseverance, often in the face of difficult circumstances.

W.A. Tarr Award–Sigma Gamma Epsilon: Awarded annually by the Epsilon Rho chapter of Sigma Gamma Epsilon, the earth science honor society, to a junior or senior geology major with an outstanding record of scholastic achievement.

Tri-Beta Scholarship Research Award: An annual scholarship/research award presented to seniors graduating with a major in biology with an overall GPA of 3.5, as well as a 3.5 GPA in biology. Recipients must also be active members of Tri-Beta and have successfully completed five semester hours of undergraduate research.

The Cassandra Woods Walker Award is presented annually to a student majoring in the School of Art and Design who demonstrates artistic tenacity and the ability to handle visual materials and concepts.

College of Education Awards

The Department of Early Childhood Education Award is reserved for students who have received a grade of A in 60 semester hours of methods courses, practicum, and student teaching.

The Roy M. Hall Educational Achievement Award is presented annually to the student in a teacher education program who has maintained the highest scholastic average in teacher education courses. The award is made by the College of Education in honor of Roy M. Hall, who served as the first dean

of the college. The recipient will be presented with a cash award and a plaque. Any senior in the college who has been enrolled in a teacher education program for his or her junior and senior years will be eligible. The recipient will be chosen on the basis of obtaining the highest scholastic average achieved in teacher education courses and will be selected by the Office of the Dean of the College of Education. This award is funded by the Roy M. Hall Educational Achievement Fund.

Outstanding Student in the Department of Kinesiology and Health Award is offered annually to student who has (1) maintained a 3.0 overall grade point average, (2) achieved a 3.7 grade point average in the department, (3) demonstrated commitment to the field as determined by faculty evaluations, and (4) been involved in volunteer or career-related leadership activities. In addition, the department offers awards to high-performing students with a minimum grade point average of 3.50 in discipline-related programs.

College of Health and Human Sciences Awards

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.

Diane B. Davis Award: An annual award of \$300 is given to a graduating Bachelor of Social Work student with a minimum of 3.0 grade point average who has demonstrated outstanding performance and leadership in field practicum, class attendance and participation, and overall embodiment of social work values and ethics.

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.

Johnnie W. Prothro Academic Excellence Award: This award is given to an undergraduate or graduate nutrition student who has achieved a high level of academic excellence in the nutrition program. The faculty in the Department of Nutrition selects the recipient who receives a gift certificate for book purchase.

Respiratory Care Academic Achievement Award: This award is given to the graduating senior with the highest grade point average achieved in the respiratory care program.

Respiratory Care Clinical Excellence Award: This award is given by the faculty in the Department of Cardiopulmonary Care Sciences 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 care program. The award is intended to recognize the student who, in the opinion of the faculty of the Department of Cardiopulmonary Care Sciences, exhibits a positive professional attitude and a willingness to serve the needs of classmates, the community, and the profession of respiratory care.

Spirit of Nursing Award: The United States Army Nurse Corps presents the ANC Spirit of Nursing Award to an exceptional nursing student at Georgia State each year. The

award recognizes a student who demonstrates a commitment to excellence through his or her community, professional and academic achievements. The recipient also becomes a candidate for the national Spirit of Nursing Award.

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.

1352.40 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 at 404/651-2924 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 Scholarships: 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 at 404/651-2924.

1360 Academic Support

1360.10 Scholastic Discipline

Note: The Scholastic Discipline Policy will change effective Spring 2004. See below for explanations of the current policy and the new policy.

There are four levels of scholastic discipline for undergraduate students: warning, supervision, probation, and exclusion. Students on warning or supervision are in good academic standing. Students on probation or exclusion are not in good academic standing.

Current policy effective Fall Semester 2003:

Students are placed on **warning** when their cumulative

Georgia State 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, their most recent term Georgia State GPA is below 2.0, and they were on warning or supervision the previous semester in attendance.

Students are placed on **probation** when their cumulative Georgia State GPA is below 2.0, their most recent term Georgia State GPA is below 2.0, and they were on supervision the previous semester in attendance. Once placed on probation, students remain on probation until their cumulative Georgia State GPA is 2.0 or above, or they are placed on exclusion.

Students are placed on **exclusion** when their cumulative Georgia State GPA is below 2.0, their most recent term Georgia State GPA is below 2.0, and they were on probation the previous semester in attendance.

New policy effective Spring 2004:

Students are placed on **warning** when their cumulative Georgia State 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 University. 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, 404/463-9500, 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 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 404/463-9500.

Students on **warning** may register for no more than 13 semester hours. They are not required to meet with an academic adviser though 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 (e.g., seeing their major adviser, participating in an assessment by the Counseling Center, seeking the assistance of the Writing Center, etc.). In addition, students on supervision may be required to take GSU 1050, Survival Skills for College, unless taken previously.

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 University 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 (e.g., seeing their major adviser, participating in an assessment by the Counseling Center, seeking the assistance of the Writing Center, etc.). In addition, students on probation may be required to take GSU 1050, Survival Skills for College, unless taken previously. Students enrolling while on probation must continue to participate in AIP until their cumulative Georgia State GPA is 2.0 or higher.

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 University and, therefore, 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

Georgia State University allows its former undergraduate students, except as noted in paragraph one of this section, 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:

1. A minimum of five calendar years must have passed since last enrollment at Georgia State University. 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.
2. a. A cumulative GPA that reflects all attempts at all courses taken at Georgia State University continues to be recorded on the student's official transcript. A new institutional GPA is begun when the student has been approved for academic renewal and is also recorded on the student's official transcript. This is the GPA that will be used for determining academic standing and eligibility for graduation.
b. Academic credit for previously completed course work including transfer course work will be retained only for courses in which an A, B, C, or S grade has been earned.
c. The grades in Georgia State academic credit that is not 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.
d. 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.
e. 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.
3. A student can be granted academic renewal only one time.
4. a. A student who has been excluded from Georgia and has attended another college or university during the absence from Georgia will not be eligible for transfer credit for the course work done during the absence.
b. 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:
 - i. Return to Georgia State as a transfer student, subject to all relevant transfer and reentry policies. No institutional GPA is calculated, and transfer credit will be granted for applicable courses taken during the absence.
 - ii. Apply for academic renewal. If academic renewal is approved, no transfer credit will be granted for course work completed during the absence.
5. 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.
6. An excluded student who is allowed to return under the provisions of academic renewal has one final opportunity to complete the degree. Qualifying for exclusion again will end this opportunity.

7. To apply for academic renewal, the student must obtain approval both from the Office of the Registrar and from the Student Advisement Center.

- a. File an application for reentry to the university with the Office of the Registrar at 227 Sparks Hall, 404/651-3207.
- 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 Semester	July 15
Spring Semester	October 15
Summer Semester	April 1

Additional instructions about the procedure for applying for academic renewal are provided on the application form.

8. If academic renewal is not requested at the time of enrollment, it can be requested after reenrollment if the application is filed within the first two semesters of enrollment or within one calendar year, whichever comes first.
9. 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.
10. 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.
11. 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.
12. Students must meet the academic residence requirement using only course credit earned after academic renewal.
13. To be eligible for honors at graduation, students must earn at least 60 hours of credit after academic renewal.

1370 University Degree Requirements

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. Consult your college's chapter of this catalog for your degree program's requirements.

1370.02 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. If a student takes a course multiple times at another institution or at Georgia State University, the grade

earned in the final attempt will determine the applicability of the course to the degree requirements.

1370.05 Core Curriculum Requirements

Georgia State University requires all students seeking a baccalaureate degree to complete satisfactorily a basic core of general education subjects. The core curriculum is drawn in conformance with the core curriculum requirement of the University System of Georgia and includes 60 semester hours of course work. 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 an ongoing evaluation by the University System of Georgia, 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 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.

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 University from other institutions in the University System of Georgia should note that this is Georgia State University'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 University 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, 404/651-2277, 404/651-1563 (fax) or e-mail grainbolt@gsu.edu. E-mail communication is preferred. Appeals should be initiated by filling out a form available in the Student Advisement Center, 255 Sparks Hall.

1370.10 Core Areas A Through F

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.

**Minimum grade of C or higher required in this course 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)

Note: All freshmen and transfer students without Area A math credit are required to take a math placement test before registering for any courses their first term. The test is offered at orientation and by appointment in the university's testing center. See www.gsu.edu/placementtests.

* The one additional credit hour may be counted in Area F or G, if appropriate.

**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.

Area B: Institutional Options (4)

Additional information about institutional options is available on-line at www.gsu.edu/areab.

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)

* Select from 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 category may be used to fulfill requirements in Area B.

** Select from 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 category may be used to fulfill requirements in Area B.

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

Art 1700 History of Western Art I: Prehistoric through Medieval Art. (3)

Art 1750 History of Western Art II: Renaissance through Contemporary Art. (3)

Art 1850 Arts of Africa, Oceania, and the Americas (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)

Gmn 1002 Elementary German II (3)

Gmn 2001 Intermediate German I (3)

Gmn 2002 Intermediate German II (3)

Grek 1002 Elementary Greek II (3)

Grek 2001 Intermediate Greek I (3)

Grek 2002 Intermediate Greek 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)

Latn 1002 Elementary Latin II (3)

Latn 2001 Intermediate Latin (3)

Latn 2002 Latin Prose (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)

* 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 B.I.S. students in classical studies and women's studies not include a foreign language course in Area C. 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 1310.20 earlier in this chapter for more information.

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

- Select one two-course sequence. (8)
 - Astr 1010 Astronomy of the Solar System (4) and
 - Astr 1020 Stellar and Galactic Astronomy (4)
 - Biol 1107K Principles of Biology I (4) and
 - Biol 1108K Principles of 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)
- 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)***
 - Psys 1100 Natural Science Aspects of Psychology (3)

* The extra hour in this option may be counted in Area F or G, if appropriate.

** B.B.A. students are recommended to take Math 1070 in Area D, but if not taken in Area B, it must be taken later in the program.

*** Recommended for broadcast journalism, speech, theatre, and music majors only.

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.

- Select one two-course sequence. (8)
 - Biol 1107K Principles of Biology I (4) and
 - Biol 1108K 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)
- Select either Math 2211 (Calculus of One Variable I) or a course with a higher number that is appropriate to the major. (3-4)

Nursing, Nutrition, and Respiratory Therapy Majors

- Select one two-course sequence. (8)
 - 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)
 - Biol 1107K Principles of Biology I (4) and
 - Biol 1108K Principles of Biology II (4)
- Math 1070 Elementary Statistics (3)

* Chem 1151K and 1152K is recommended for this selection.

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)**

* The State of Georgia requires all students to pass examinations on the history of the United States and the history of Georgia. Students may satisfy these requirements by earning a passing grade in Hist 2110. (See Section 1370.25.)

**The State of Georgia requires all students to pass

examinations on the Constitution of the United States and the Constitution of Georgia. Students may satisfy these requirements by earning a passing grade in PolS 1101. (See Section 1370.25.)

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)

*B.B.A. students take economics in Area F and are recommended to choose other social science foundation courses in Area E. The Andrew Young School of Policy Studies recommends that B.A. and B.S. students majoring in economics choose other selections in section 3 of Area E.

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.A. in English with a secondary English concentration or 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.

Area G & Beyond

Courses beyond the core curriculum 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 course requirements.

1370.15 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 University 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 University.

No student will receive a baccalaureate degree from Georgia State University who does not meet the minimum academic residence requirement. 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. Students must meet the academic residence requirement using only course credit earned after academic renewal.

1370.20 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.

Students must earn the number of semester hours and the minimum grades prescribed for their degree as one of their graduation requirements.

Courses taken at Georgia State University or elsewhere that are required of a student to meet College Preparatory Curriculum deficiencies do not count as courses in the core curriculum.

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.
- Learning Support Program credit below the 1000 level (previously Developmental Studies; course prefix DS).
- New Student Orientation courses: GSU 1010, GSU 1050, and GSU 1060.
- English-as-a-Second Language credit below the 1000 level.
- Physical education "skills" courses KH 1010, 1020, 1030 (previous course prefixes: HPRD, HPRS, PE).
- Military science courses at the 1000 and 2000 level
- All hours earned in courses which are required of a student

to meet College Preparatory Curriculum deficiencies. Questions may be directed to the Graduation Office, 231 Sparks Hall, 404/651-3387.

1370.25 Federal and State Constitution and History Requirements

A 1953 act of the Georgia General Assembly requires that, before receiving an undergraduate degree from a state-supported institution of higher learning, all students must pass examinations or comparable courses in United States and Georgia history and the constitutions of the United States and Georgia. Students may choose to take the 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. These requirements may also be met by successfully completing History 2110 and Political Science 1101 at Georgia State University.

Students who transfer from institutions within the University System of Georgia who have fulfilled any or all parts of this legislative requirement will be advised of that fact at the time of admission and evaluation of transfer credit. The university is not aware of any courses offered by out-of-state institutions that meet the Georgia history and the Georgia Constitution requirements. Exceptions must be established through the formal petition process in the student's college.

1370.30 Regents' Test Requirement

In general, undergraduate students seeking a baccalaureate degree at Georgia State University must pass an examination in reading and writing, the Regents' Test. Students with certain SAT, ACT, AP or IB scores, non-native speakers of English and students with documented disabilities are subject to modified rules regarding this test. (See below.) Furthermore, students holding a baccalaureate or higher degree from an accredited institution of higher education are not required to pass the Regents' Test. After reading this material, students with questions should contact the Student Advisement Center at 404/463-9500.

Description. The reading section of the Regents' Test is a 60-item, multiple choice test taken in one hour. There are ten reading passages and five to eight questions about each passage. The passages cover a variety of subjects (e.g., social science, math, natural science and humanities).

The writing section of the Regents' Test is a one-hour essay exam in which students are asked to write an essay on one of four topics. Both sections of the exam are taken at one time with the writing section coming first. Students are allowed to use dictionaries during the last 15 minutes of the writing section of the test.

Administration. Initially, students must take both sections of the Regents' Test at the same time. If a student has passed one section but not the other, the student will retake only the section which the student has failed. If a student has failed both sections, the student may retake the two sections in

separate semesters.

The Regents' Test is given during the semester at a time specified by the Board of Regents. The test may be taken only once per semester. For the current exam schedule, see the on-line *Registration Guide*.

Students are encouraged to take the Regents' Test upon completion of Engl 1101. Students may take the Regents' Test during a semester in which they have not enrolled in any classes.

Students with a cumulative GPA of 2.0 or higher who have successfully completed the relevant RGT course at least two times will be allowed two hours for each section of the test. To take advantage of this option, students must bring a current copy of their PACE form to the Testing Office at least seven days prior to the date scheduled for the extended time examination.

Students Entering GSU With No Transfer Credits.

Students must take the test in their first semester of enrollment after earning 30 semester hours if they have not taken it previously. Students who have earned 45 college-level semester hours and who have not passed the Regents' Test must take the appropriate non-degree credit course(s) in remedial reading and/or remedial writing (Regents' Test Preparation or RGT courses) in each semester of attendance until they have passed all components of the test. Students who fail the reading section must take the reading RGT course, students who fail the writing section must take the writing RGT course, and students who fail both sections must take one course and may take both courses. Students who have not passed the Regents' Test before earning 75 hours will have a hold placed on their registration which will be lifted after speaking with a Student Advisement Center staff member.

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 or from a System program that does not require the Regents' Test should take the test during their first semester of enrollment in a program leading to the baccalaureate degree. Those who have not passed before their third semester of enrollment are subject to the remediation requirements.

Regents' Test Preparation (RGT) Courses. A student who misses 300 minutes of class time in a required RGT course will be withdrawn from the course by the instructor and the grade of WF be recorded. Such a reduction in course load may affect the entitlement of a student who is receiving any type of financial aid. Regents' Test Preparation courses are a regular part of the student's academic load.

SAT, ACT, AP and IB Waivers. 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 test (given on a national examination day) have automatically passed the reading section of the Regents' Test. Students who have a score of 650 or better on the SAT II English Writing test, a score of 3 or better on the higher level Advanced Placement (AP) English test, or a score of 4 or better

on the International Baccalaureate (IB) English test have automatically passed the writing section of the Regents' Test. Students who have earned these scores should submit an official score report to the Office of the Registrar.

Nonnative speakers of English. Nonnative speakers of English (NNS) will be certified as meeting Regents' testing requirements either by

- passing the reading/writing section of the Regents' Georgia State Test of English Proficiency (Regents' GSTEP),
- taking the Test of English as a Foreign Language (TOEFL), or
- taking the regular Regents' Test.

NNS students choosing to take the TOEFL pass the Regents' Test reading requirement by earning a score of 23 or higher on the reading section of the computer-based exam and a score of 57 or higher on the reading section of the paper-based exam. They pass the Regents' Test writing requirement by earning a score of 4 or higher on the Test of Written English (TWE).

NNS students who have not completed the Regents' Test requirements and who have attempted 45 or more semester hours will have the option of taking regular RGT courses or RGT courses for NNS students offered by the Department of Applied Linguistics & English as a Second Language. For more information, contact the Department of Applied Linguistics & English as a Second Language at (404) 651-3650.

Students with Disabilities. Students with documented disabilities may arrange for appropriate administration of the Regents' Test and for any necessary remediation. Contact the Office of Disability Services, (404) 463-9044. Appropriate accommodations will be made based upon the student's functional limitations as presented in their documentation.

Appeal of a Failing Score on the Writing Section. A student may request a formal review of his or her failure on the writing section of the Regents' 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 Department of English. The review procedures shall be as follows.

A student must initiate the review procedure by midterm of his or her first semester of enrollment after the semester in which the writing section was failed. The review must be initiated, however, within one calendar year from the semester in which the failure occurred.

All applicable regulations of the Regents' Test Policy remain in effect for those students whose essays are under review, including those regulations relating to remediation and to retaking the test.

The review will be conducted by three faculty members of the Department of English chosen by the Chair of the Department of English. 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 re-scoring 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.

1370.35 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 University (resident credit) and transfer credit. Cross-registration credit is considered resident 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.

1370.40 Graduation with Honors

Scholastic recognition at graduation will be given to each baccalaureate student who completes no fewer than 39 semester hours of course work at Georgia State University and who earns a high academic average on all work attempted. Credit by examination, credit by validation, CLEP credit, AP credit, and courses specifically excluded by university policy cannot be used to meet the semester hours requirement for university honors. Students under academic renewal must earn at least 60 hours of credit after academic renewal. 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
Cum Laude	3.90-4.00

The cumulative grade point average is determined by rounding to two places when calculating university honors.

1370.45 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.

1375 Graduation Information

Commencement exercises are held at the end of each academic term. Diplomas are mailed approximately eight weeks following the commencement ceremony.

1375.10 Application for Graduation

All candidates for a degree must file a formal application for graduation with the Graduation Office. Baccalaureate

candidates should apply in the semester in which they expect to attain their 90th semester hour or in the third semester preceding their expected graduation date, whichever comes first. Graduate degree candidates must apply at least two semesters in advance of the expected semester of graduation.

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.

All 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.

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 University 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. It is the student's responsibility to see to it that incomplete grades are properly recorded in the appropriate offices by the deadline stated in this section.

Students who wish to be transient students or who wish to participate in cross-registration for their remaining course work must plan to graduate at least 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.

1375.20 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 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 Office of the Registrar.

1380 Academic Honesty

This policy on academic honesty was approved by the Georgia State University Senate on November 11, 1994, and reads as follows:

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 (e.g., 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 (e.g., comprehensive examination or language competency examination) or an institutionally-required test (e.g., 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 (e.g., 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 dishonesty 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; e-mail 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 if a student is 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; obviously, requests received after press time cannot delete information from this and similar publications, and previously released information cannot be recalled. A suppression of directory information can be released by notifying the Office of the Registrar in writing to P.O. Box 4017, Atlanta, GA 30302.

Inquiries about students or former students should be directed to the Registrar.

Georgia State University'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 Office of the Registrar. 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 Registrar.

- 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, 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:

A. Petitions on matters under the authority of the colleges should be filed in the Office of Academic Assistance of the particular college. The following are examples of these matters:

For undergraduate and graduate students:

1. College registration prerequisites or restrictions
2. Course substitutions outside of core areas A through E
3. Teacher education issues
4. Transient course work
5. Policies on comprehensive examinations, recitals, portfolios, and similar evaluations
6. Changes in catalog editions
7. Academic residency requirements for a major program

For graduate students only:

1. Academic standing
2. Readmission from suspension or exclusion
3. Hours shortages
4. GPA for graduation
5. Transfer credit
6. Academic residency requirements
7. Extensions of time limit for completing degree.

B. Except as noted below, petitions on matters under the authority of the university should be filed in the Office of the Assistant Provost, 404/651-1187. The following are examples of these matters:

For undergraduate students only:

1. U.S. and Georgia history and constitution examinations
2. Exceptions to academic renewal regulations
3. Hours shortages
4. GPA for graduation
5. D credit policy
6. Academic residency requirement for overall upper-level semester hours
7. Graduation with honors
8. Acceptance of transfer credit taken while on suspension
9. Appeals of exclusion (file in the Student Advisement Center)

10. Regents’ Test Program (file in the Student Advisement Center)
11. CPC requirements (file in the Student Advisement Center)
12. AIP requirements (file in the Student Advisement Center)
13. Course substitutions in core areas A through E (file in the Student Advisement Center)
14. CLEP and AP credit (file in Office of Admissions)
15. Acceptance of transfer credit (file in Office of Admissions)

For undergraduate and graduate students:

Withdrawal from classes with hardship status (file in Office of the Dean of Students).

1386 Post-Graduation Exceptions

When cases come to the Registrar in which a student who has graduated has suffered or may suffer academic harm due to a mistake made by a representative of the university, a special ad hoc action team will be created and will meet to recommend a remedy. This team will consist of a representative of the student’s college (to be named by the dean of the college), the University Registrar, and the Chair of the Admissions and Standards Committee (or a representative named by the chair).

1400 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, international student services, insurance, community service, and volunteering.

1402 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 159 chartered student organizations on campus. A listing of all chartered groups and qualifications for participation appears in the student handbook, *On Campus*, online at www.gsu.edu/oncampus or from the Office of Student Life and Leadership, 330 Student Center, 404/463-9031.

1404 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. The office is located in 370 Student Center, 404/463-9092.

1406 Student•University Center

The Student •University Center is composed of two buildings: the Student Center and the University Center. 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. Collectively, these two facilities serve as the center of student activity and the living room for the Georgia State University community.

The Student Center hosts over 5,000 programs each year. This beautiful facility offers a large ballroom, a 425-seat auditorium, several meeting spaces, a food court, ATMs, Information Center, and three unique student lounges. This facility provides students with wonderful programming space with state-of-the-art features.

The Student 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, Digital Aquarium Computer Lab, Student • University Center Administration, and Student • University Center Reservations.

The University Center, renovated in 2002, is also a major hub of student activity. In addition to meeting spaces, television lounge, student organization offices, and chapter rooms for many of the university's fraternities and sororities, the University Center houses student media offices, including WRAS-FM, Rampway, *Signal*, and GSTV. Cinefest Theater, Panther Place Lounge, Campus Club food court, Honors Program, Health Promotions, University Career Services, and the Third Level Information Center are also located in the University Center.

1408 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.

1410 Committee on the Student Activity Fee

The Committee on the Student Activity Fee, including five fee councils, is comprised of students, faculty, and staff members appointed by the dean of students of the university and the Student Government Association. The committee is responsible for reviewing requests for funds generated by the student activity fee and making recommendations for the allocation of those funds to the president.

1412 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.

1412.10 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. Also visit the web site at www.gstv.org.

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. WRAS is operated solely by Georgia State students. The office is located in 226 University Center, 404/641-2240.

Signal, the university's student newspaper, serves as a learning workshop and source of journalistic, marketing, and photographic skills. *Signal* is published every Tuesday during the academic term and can be found in over 50 locations on campus. The office is located in 200 University Center, 404/641-2242. The *Signal* is now online at 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. Contact the magazine at 404/651-4804 or visit online at www.gsu.edu/gsureview.

The **Rampway** (www.rampway.org), the on-line voice of Georgia State University students, is an on-line magazine. The Rampway allows 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 Internetbased environment. The Rampway

features exclusive content and content from other media groups. The on-line magazine, founded in 2000, takes its name from Georgia State University's now defunct yearbook. The office is located in 405 University Center and can be contacted at 404/651-2231 or at www.rampway.org.

1414 Cultural Opportunities

The **Spotlight Programs Board** presents films, lectures, concerts, cultural programs, and other special events. Seven committees chaired by students, Cinefest, Homecoming, Concerts, Speakers, Public Relations, Special Events, and Panther Prowl provide a wide variety of programs for the entire University community. Visit the board's web site at www.gsu.edu/spotlight for information on upcoming events.

The **School of Music** presents regular concerts with student and faculty participants at the recital hall and at the Rialto Theatre. The wide variety of offerings can be viewed at www.gsu.edu/music.

The **School of Art and Design** regularly presents exhibits representing advertising design, commercial art, painting, ceramics, and photography. Information on events is available online at www.gsu.edu/art.

Diversity Education Programs, 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 www.gsu.edu/diversity or by contacting the office in 400 University Center, 404/651-2204.

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.

1416 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 448 University Center or call 404/651-2455.

1418 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 Iota Delta (decision sciences), Alpha Lambda Delta (freshman), Alpha Kappa Delta (sociology), Beta Alpha Psi (accounting), Beta Beta Beta (biology), Beta Gamma Sigma (business administration), Eta Sigma Delta (hospitality administration), Golden Key National Honor Society (general), Honor Society Council, Kappa Delta Pi (education), Lambda Iota Tau (literature club), Mortar Board, Omicron Delta Epsilon (economics), Omicron Delta Kappa, Order of Omega (Greeks), Phi Kappa Phi (general), Phi Sigma Tau (philosophy), Pi Alpha Alpha (public affairs and public administration), Sigma Theta Tau (nursing), and Tau Alpha Chi (tax). A list of honor societies is available from the Office of Student Activities in room 330 Student Center, 404/463-9031.

1420 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 History Student League, Applied Linguistics and ESL Graduate Student Association, Association for Computing Machinery (business), Atlanta Hospitality Society, Black Law Students Association, College of Law Moot Court, Delta Sigma Pi (business), Doctoral Fellows of the J. Mack Robinson College of Business, Environmental Law Society, Gamma Iota Sigma (Risk Management and Insurance), Georgia State University Nursing Students, Graduate Association of Students in Psychology, Lesbian and Gay Law Students Association, National Association of Black Accountants Student Chapter, Society for Human Resource Management, Women's Studies Institute. More information about these campus organizations can be found online at www.gsu.edu/~wwwsta or by calling 404/463-9031.

1422 Leadership GSU

Leadership GSU 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. Some programs are available to all interested students and others are focused on specific target groups. More information is available online at www.gsu.edu/~wwwsta or by calling 404/463-9039.

1424 Greek Organizations

Georgia State University is home to 22 Greek letter sororities and fraternities. The focus is fourfold: leadership, scholarship, community service, and friendship. Students are offered the opportunity to build leadership skills, enhance the academic experience, give back to the community, and create lifelong bonds of friendship. Most of the Greek organizations have suites on the fourth floor of the University Center

(unofficially called "Greek Hall"). 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, the Greek Council brings representatives from every chapter together to strengthen the Greek community on campus.

It is an exciting time to be Greek at Georgia State. All students are invited to become a part of Greek life. You may find more information by visiting the web site at www.gsu.edu/greeklife, stopping by Greek Hall, or by calling the Greek Life adviser at 404/463-9035.

1426 Intercollegiate Athletics

Georgia State University maintains an intercollegiate athletic program that consists of 14 sports for men and women. The men's teams are the Panthers and the women's teams are the Lady Panthers.

The university is a member of the National Collegiate Athletic Association (NCAA), Division I, and the Atlantic Sun Conference and abides by all rules and regulations of these organizations for all athletic competition. Other schools in the Atlantic Sun include Belmont, Campbell, Central Florida, Florida Atlantic, Jacksonville, Lipscomb, Mercer, Stetson, and Troy State. Students meeting admission and eligibility requirements of the university, the NCAA, and the TAAC may participate in the following sports: men's baseball, basketball, cross-country, golf, soccer, and tennis; and women's basketball, cross-country, golf, soccer, softball, tennis, track, and volleyball. The basketball and volleyball teams play home events in the Sports Arena, located on the third floor of the Physical Education Complex. Baseball, soccer, and softball are played at the Panthersville athletic fields. The cross-country teams run their home meets at Georgia Regional Hospital. The tennis teams play at the Bitsy Grant Tennis Center. The golf teams practice at the Eagles Landing Country Club.

The men's and women's schedules include competition not only against all of the conference teams, but also top-ranking teams around the nation. Over the years, Georgia State teams and individual athletes have gained both regional and national recognition. Tryouts for each intercollegiate sport are handled by and scheduled through each individual coach. For further information contact Intercollegiate Athletics at 404/651-2772 or visit the web site at www.georgiastate.com.

1428 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, sport instruction, 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 center, 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, membership card, and general information. A waiver must be signed upon entry at the facility for first time users. A validated PantherCard is required for participation in any recreation activity and for all recreation rentals.

The Sports Clinic program provides expert instruction for a small fee in a wide variety of activities, such as tennis, fencing, yoga, martial arts, and dance.

The Aquatics program for a small fee 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 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, street hockey, and softball and in individual sports such as golf, tennis, table tennis, racquetball, running, wrestling, 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 Aikido, badminton, Brazilian Ju-jitsu, crew, cycling, equestrian, football, Hapkido, indoor soccer, Judo, Ju-jitsu, Kendo, rugby, sailing, Shorinji Karate, Shotokan Karate, skydiving, squash, table tennis, team handball, ultimate frisbee, volleyball, water skiing, and wrestling.

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, on-line at 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.

1430 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; 9:00 a.m. - 6:00 p.m. on Tuesday; and 8:00 a.m. - 4:00 p.m. on Friday. Appointments are required for certain types of visits, but walk-in visits are available every day until the schedule is full. You must be a currently registered student or a current employee of Georgia State University to receive services. Always bring your PantherCard or other picture identification. Semester fees are charged for employees who use the clinic. 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.

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 for a fee, 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, Measles, Rubella, Meningitis, Hepatitis A and B, Tetanus/diphtheria, Varicella (chickenpox), and PPD (tuberculosis) skin tests. Allergy shots are provided only when the doctor is present and 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).

1432 Counseling Center

The comprehensive services of the Counseling Center reflect the university's concern for the many needs of students. Counseling is available to students having career, educational, personal, or relationship concerns. The center offers individual and group counseling, as well as workshops focused on particular concerns such as vocational assessment, study skills, and stress management. Individual stress management sessions are also available to students. Psychiatric services for evaluations and medication determination are available as needed as well as referral services for students having special needs.

In addition the Counseling Center faculty teach a number of courses, including GSU 1010, New Student Orientation, and GSU 1050, Academic Survival Skills. In addition, the center faculty teach a number of Freshmen Learning Communities aimed at the development of critical thinking and life skills which can enhance academic performance and life long learning.

Counseling is available on a walk-in basis or 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 variety of workshops that focus on specific areas of concern such as test taking, memory, and test preparation.

The center offers services associated with academic and personal assessment, including testing for individual and career 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 life planning, career development, mid-life career change, assertion training, stress management, and adult development groups. The center also offers consultation and classroom support to faculty.

The center, in collaboration with University Career Services, assists students in career assessment, exploration, planning, and development. The center offers three career programs in addition to individual career counseling. These programs include the following: Examining the Undertow, Pathfinders, and Career Quest. Students are helped to consider self exploration, values clarification, interest and personality assessments, as well as skill identification and perceived barriers in their decision-making process about choice of major and/or career planning.

All counselors in the center have advanced degrees in counseling and 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 Street, or visit the center's web site at www.gsu.edu/counseling.

1434 Office of International Students and Scholars

The Office of International Students and Scholars (OISS) 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 coverage, student advocacy, and other personal assistance in adjusting to and joining the university community. Information concerning programs and services is available in 500 Ten Park Place, by calling 404/463-9073 or online at www.gsu.edu/oiss.

International Students and Scholars provides orientations; assistance to F-1 and J-1 status students and their dependents; immigration advisement; insurance coverage advisement; certification letters for currency release or military deferment; immigration documents for travel, change of immigration status, and bringing family members to the U.S.; student advocacy; other personal assistance in adjusting to and joining the university community; and assistance to academic departments wishing to invite foreign scholars or hire foreign faculty. The office staff serves as a liaison with all academic departments, the diplomatic corps, and a variety of international agencies and provides advisement for students who need to withdraw from

classes or from the university. The OISS also publishes a newsletter focusing on issues of interest to international students.

Assistance is available for emergency situations involving international students via the Ted Heidecker International Student Emergency Loan and the Eva Whetstone International Student Emergency Loan. Fee 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 regulations of the Immigration and Naturalization Service, the academic system in the United States, academic assistance and registration, the Atlanta community, and the mandatory health and accident insurance.

International Student Associations—There are many international student associations that focus on providing programming that recognizes and celebrates the backgrounds and perspectives of international students while including and promoting awareness of other cultures.

International Student Health Insurance—International Student Health Insurance is mandatory for all international students in the nonimmigrant statuses of F and J enrolled at Georgia State University and is optional for other nonimmigrant status students and scholars. 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 file an application for exemption and submit a copy of the existing policy to OISS for review and exemption approval the semester before enrollment.

1436 Office of 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 and social advisement, 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 services and programs related to the recruitment and retention of African Americans at Georgia State University. OAASS&P collaborates with several departments, offices, student groups, and community organizations. Through quality in-house, university-wide, and community-supported programming, the office fosters cultural, ethnic, and racial awareness; integrates leadership training with co-curricular activities; nurtures organizational development; encourages degree completion; and participates in community service. It sponsors several academic, cultural, social, and international activities.

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, and a Tutorial program. OAASS&P is instrumental in promoting multiculturalism and diversity throughout the university community and celebrating excellence through initiatives such as the annual Black Student Success Assembly, the Black Freshmen Fall Welcome Carnival, and Black History Month activities. For more information contact the office located in 320 Student Center, 404/463-9000.

1438 Student Health Insurance

The university has a voluntary student health insurance plan available to all Georgia State University students who are citizens or permanent residents of the U.S. The plan attempts to meet the needs of those students who do not have insurance or have been removed from their parent's policy. The premium is prorated by semester and is payable in a lump sum. The policy is administered by the T.W. Lord Insurance Agency, Marietta, Georgia. Applications for the insurance are available in 300 Student Center in the Office of the Dean of Students, 404/463-9023.

International students are asked to read 1165.70 for additional information about coverage.

1440 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 web site at www.gsu.edu/~wwwsaf/student.htm.

1442 University Career Services

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 undergraduate 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 Library* contains workstations with access to career guidance and employer research software. UCS utilizes two web-based systems to register and communicate with students, provide job listings targeted to Georgia State University students, including on campus and part-time employment; facilitate student sign up for campus interviews; and provide on-line 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 on-line information help students prepare resumes and develop interview skills. Programs, presented in partnership with other university units, target specific student populations. The annual *Etiquette Dinner* provides an opportunity for students to brush up on dining and other business social skills. Resume critique and practice interviews are also available.

Visit University Career Services at www.gsu.edu/career and in the new Career Center on the second floor of the University Center or by calling 404/651-2223.

1444 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 child care 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.

1446 Office of 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 web site at www.gsu.edu/disability.

1448 Office of the Ombudsperson

The Office of the Ombudsperson provides an independent, impartial, informal and confidential service for all members of Georgia State University. The Ombudsperson listens, answers questions, makes referrals, explains University policies, carries complaints forward (if requested) and mediates between individuals or groups in a dispute to resolve conflict. The Ombudsperson does not have power to adjudicate, arbitrate, or investigate complaints. Examples of concerns brought to the Office of the Ombudsperson are sexual harassment, interpersonal conflicts, disciplinary concerns, employment problems, faculty/student misunderstandings, grade appeals, financial aid concerns, and supervisor/employee relations. The office of the Ombudsperson is located at 215 One Park Place.

1450 Student Advocacy Office

The Student Advocacy Office was created by the university to take a proactive approach in assisting individuals to become more knowledgeable of university policies and procedures. The office will treat the student as an individual; assist in minimizing campus barriers; and provide personal, timely, and effective information that will assist and enable students to take responsibility for their total campus experience. By listening to the student's explanation of a situation, talking with the student to help devise a problem-solving strategy, answering the student's questions, referring the student to appropriate staff members and departments, the office can inform students how to work with the policies and procedures of the university. Contact the office, located in 300 Student Center, at 404/463-9990.

1452 Student Support Services

The Student Support Services program offers assistance that enables eligible students to participate in a variety of college experiences. All services are free. The program serves low-income students, students whose parents did not receive a bachelor's degree, and students with any type of disability who require assistance with their academic or personal goals. Services are individualized and designed to provide greater academic accessibility. Special assistance includes individual case management, tutoring, textbook taping, advocacy, referrals, and personal, academic and career counseling.

The Student Support Services program is an official internship site for master's-level practicum students in the Department of Counseling and Psychological Services in the College of Education. All counseling services are supervised by a licensed professional. Contact the Student Support Services program at 152 Sparks Hall, 404/651-3357.

1454 Community Service-Learning

The Office of Community Service—Learning provides technical assistance for students, student groups, faculty, and staff concerning volunteering, community service, and service learning and 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 partnership with many different individuals and institutions. Many opportunities are available such as leadership roles in the student organizations or involvement with Circle K International, Campus Civitan, Habitat for Humanity, and Gamma Sigma Sigma. Please contact the office, located in 355 Student Center, at 404/463-9043 or visit the web site at www.gsu.edu/service for the listing of one-day and ongoing projects.

1456 University Housing

Housing accommodations for single undergraduate students are available in the Georgia State University Village and in the University Lofts. The Village, built to house athletes for the 1996 Summer Olympic Games, now houses 2,000 Georgia State University undergraduate students. The University Lofts, which opened in August 2002, is home to faculty, staff, international, graduate, and undergraduate students 21 and over and those with families.

The Village is a great place to live and learn. It offers affordable, apartment-style housing in a quadrangle of four residence halls. The Village community spaces include a meeting room, laundry rooms, a mailroom, a classroom/study area, retail space, and a recreation center with a basketball court, game room, and fitness area. The four and six bedroom apartments include a full-sized kitchen, a fully furnished living/dining room, a bathroom for every two residents, and private bedrooms. The private bedrooms have basic cable TV and T-1 type internet connections. The kitchen features a refrigerator, dishwasher, oven, microwave, garbage disposal, and local phone service. Limited parking and bike storage are also available. Safe and convenient access is provided through a 24-hour card-key access system with checkpoints for ground and building entry. Georgia State University police officers are on-site 24 hours a day. Residents living in the Village receive MARTA transportation cards and use the Panther Shuttle service.

The Lofts is a conveniently located housing facility. It is an environment easily accessible to campus in fully-furnished, loft style apartments that blend urban style with modern-day conveniences. The Lofts community spaces include a meeting room, fitness room, computer lab, and laundry room. Parking is also available. Apartment units vary from studios and one to four bedroom units. 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 University.

The housing costs for the Village and the Lofts include rent, furniture, utilities, local phone service, and basic cable TV and internet connections. For more information, contact University Housing, located in 250 Student Center, at 404/463-9052, or housing@gsu.edu or www.gsu.edu/housing.

1458 Commuter Housing

The Office of Student Advocacy and 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 web site 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 ochousing.gsu.edu.

We do not approve, inspect, or assume responsibility for those facilities listed on our off-campus web site. We strongly recommend 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.

Our office is located within the Dean of Students, 300 Student Center. If we can be of any assistance or if you have additional questions, please call us at 404/463-9023.

1460 Auxiliary Services

The departments in Auxiliary 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: University Bookstore, Dining Services, PantherCard, Printing and Copying Operations, ATM Banking Services, Vending Services, Graduation Photography Services, Travel Services, Parking and Transportation, University Post Office, Safety and Risk Management Operations, and the Rialto Center for the Performing Arts.

The Auxiliary 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 via the web at www.gsu.edu/auxiliary. Hours of operation are from 8:30 a.m.—7:00 p.m. Monday through Thursday and from 8:30 a.m.—5:15 p.m. on Fridays. Semester breaks and holiday hours are from 8:30 a.m.—5:15 p.m. Monday through Friday.

Information about the specific operations managed by Auxiliary Services follows.

1460.05 ATMs

ATM banking machines from several financial institutions are located on campus (Bookstore Building, first floor; Student Center, first floor; Urban Life, third floor; Helen Aderhold Learning Center Concourse Level; and the Village.) Details are available at www.gsu.edu/atms.

1460.10 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, supplies, and related class needs. The University Bookstore also buys used textbooks. 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. Cash, credit cards, checks, and PantherCash are accepted for purchases. Special discounts are available on Friday when purchases are made with PantherCash.

1460.15 Commencement Services

404/651-2150

This service provides portrait and ceremony photographs. Regalia rental and purchase are available online at www.gsu.edu/regalia or at the University Bookstore's commencement display.

1460.20 Copying Services

404/651-2164

Self-service photocopy facilities are located at Pullen Library, floors 1-3; Library South, first floor; Law Library; College of Education, third floor; Aderhold Building, Concourse Level; and the Village Olympia. PantherCash and cash are accepted for copy purchases. For further information, visit the website at www.gsu.edu/copyservices.

1460.25 Dining Services

404/651-0263

Several dining and food service facilities are available at locations on campus.

Campus Club: located on the third floor of the University Center. Serves full selection of breakfast, lunch, and dinner items featuring Chick-fil-A; Stacks Deli; Sky Ranch Grill; Salsa Rico; Freshens; grab and go items; and Jazzman's Café, a quick stop for distinctive coffee, muffins, cookies, or Jammin' Juice energizers.

Plaza Café: located on the third floor of the Urban Life Center. Serves a full selection of "home-cooked" breakfast and lunch menu items in a cafeteria style. Menus for Plaza Café can be accessed by calling DIAL A MENU at 404/651-4637.

Courtyard: located in the Student Center. Burger King, Stacks Deli, Jazzman's Café, Freshens, and other grab and go items.

Pete's Arena Café: located on the first floor of the University Bookstore Building (next to C parking deck). Features pizza, calzones, and galettes. A variety of pastas and salads is also served.

The Courtyard, located in the Student Center, includes Burger King, Stacks Deli, Jazzman's Cafe, Freshens, and other menu fare and grab and go items.

Plaza Kiosk: located in the University Plaza by Sparks and Kell Hall. Hot dogs, chips, Subversions sub sandwiches, and ice cream are served Monday - Friday from 9:30 a.m. until 2:00 p.m.

Subversions: located on the ground floor of Kell Hall.

Serves a popular menu of freshmade delicatessen sandwiches, soups, and market fresh grab and go salads.

Dining Services also offers a range of **catering services** (take-home party trays, group catering, conference services, formal and informal dinners and specialty gatherings). For more information on dining locations and services, PantherMeals, and hours of operations, go to www.gsu.edu/diningservices.

Many types of **Catering Services** are available. On-campus, dial 404/651-0263 for more information. Available services: take home party trays, student group catering, conference services, formal or informal dinners, and specialty gatherings.

1460.30 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). 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 www.gsu.edu/panthercard.

The PantherMeals account can be used in all Georgia State University dining venues. PantherCash and PantherMeals accounts can be opened at the Auxiliary Services office with cash, check, MasterCard, VISA, or American Express. Additional deposits to the account can be made by the Auxiliary Services office or at the value transfer stations (VTS) located at the Georgia State University Village, third floor Library South, and first floor University Bookstore Building. More information regarding these debit accounts and their uses on campus is available at www.gsu.edu/panthercash.

1460.35 Off-Campus Travel Services

404/651-1947

Travel agency 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 www.gsu.edu/travelservices for more detailed information.

1460.40 Parking and Transportation

404/651-2150

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. A limited number of monthly passes are available for on-campus parking. Daily passes at reduced rates can also be purchased for on-campus parking. Shuttle services transport students from off-campus parking to the campus at no charge.

Parking On-Campus

- All parking on-campus, or at off-campus lots, requires the pre registration of all vehicles. A valid university parking permit must be displayed at all times. To register a vehicle, individuals should register their vehicles at www.gsu.edu/parking at ParkingWeb.
- A valid PantherCard is required for all parking transactions.
- The Auxiliary 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.
- The Parking Registration form includes information on the vehicle (model, make, color, license tag number).
- Daily parking requires payment upon entry in parking areas with no in and out or unlimited entries. A Budget Card is a recommended option for those individuals parking daily.
- The Budget Card allows persons to park in the parking decks and lots on campus at a reduced price per entry. Go to www.gsu.edu/parking for additional information.
- **M Deck.** Each semester a lottery is held for M Deck parking which is a semester-flat-rate, guaranteed parking permit with unlimited entries. Information on M Deck is available at www.gsu.edu/parking.

Parking Off-Campus

- The Shuttle Service allows students to park their vehicles with a valid parking permit at the Orange 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 and regarding when the Shuttle and all will not be available, reference www.gsu.edu/shuttle.

MARTA

- Discounted and full priced Monthly Transcards, Weekly Transcards, and Tokens (rolls of ten or twenty) can be purchased at the Auxiliary Services office during regular office hours. Discounted Monthly MARTA Transcards may also be purchased at the Cashier's Office in Student Accounts and at the Rialto Box Office. Schedules for sales may be accessed at www.gsu.edu/marta.

1460.45 Print Shop

404/651-2171

The University Print Shop is located at the parking level of the Urban Life Building. The Print Shop offers a full range of services, including work completed from printed originals, from disk, or via e-mail addressed to printshop@gsu.edu. Services available to students, faculty, staff, and visitors include offset

printing, black and white/color copies, complete bindery, Georgia State University business cards, letterhead, envelopes, etc; as well as website development and design. For further information, refer to the website at www.gsu.edu/printshop.

1460.50 Post Office

404/651-2169

The University Post Office 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 Post Office 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 Monday through Friday. The University Post Office is closed on weekends and for university holidays. For more information, visit the website at www.gsu.edu/postoffice.

1460.55 Rialto

404/651-4727

Georgia State University's Rialto Center for the Performing 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 www.rialtocenter.org/information/faq.html or contact the box office that is open Monday through Friday from 10:00 a.m.—4:30 p.m. For more information, visit the box office located in the lobby of the Rialto or e-mail at info@rialtocenter.org.

1460.60 Vending Services

404-651-0247

Vending machines are available in several locations throughout the campus, including canned/bottled machines, featuring a huge 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. More information is available at www.gsu.edu/vending.

1470 Emergency Student Locator

In the event of an emergency such as a life-threatening situation or serious illness, the Office of the Dean of Students 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.

1500 Teacher Preparation

education.gsu.edu/pef/

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. 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
Mathematics:	
7th through 12th grade.....	Arts and Sciences
Middle childhood education:	
4th through 8th grade.....	Education
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 communications disorders (speech-language pathology), early childhood education, educational leadership, English education, mathematics education, media specialist, reading specialist, school counseling, school psychology, science education, social studies education, and special education are offered at the graduate level.

Educator preparation programs at Georgia State University

are field-based; that is, much of the course work requires structured participation in school settings. Therefore, students must be available for course work 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 course work must be taken. Blocks are comprised of 6 or 12 hours of course work 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.

1505 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. The student must have successfully completed Area A (Essential Skills) of the undergraduate core curriculum with a grade of C or higher for each course.
2. The student 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 and 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. The student must have demonstrated competence in mathematics and science by successfully completing Area D (Science, Mathematics, and Technology) of the undergraduate core curriculum.
4. The student must have a minimum grade point average of 2.50 based on all undergraduate course work 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. The student must have successfully completed the Regents' Test.
6. The student must have successfully completed EPSF 2010 (Introduction to Educational Issues) with a grade of C or higher.
7. The student must have earned passing scores on the three sections of the Praxis I Assessment 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.

1510 Educational Field Experiences and Student Teaching

1510.10 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 a student's program 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 student's 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 Phase I 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 student for at least one full academic term. Because student teaching constitutes a full load of academic credit, it is recommended that neither regular employment nor other courses be attempted by the student during the term of student teaching.

To be eligible for enrollment in student teaching, the student 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. (A student who earns 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. A student 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 a student's ability to function adequately and safely in a classroom and that educators have a right and responsibility to make such judgments prior to placing a student in a school.

The practicum or student-teaching supervisor has the authority to withdraw a student from a classroom experience if the student's performance constitutes a detriment to the children in the class. If such removal is necessary, the student 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.

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 student's senior year.

1510. 20 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.

1510.30 Criminal Background Investigations

Each student who is not already a certified teacher employed in Georgia must consent to a criminal background investigation before he or she will be placed for student teaching/internship. The results of the background check may lead to the student's being unable to complete the program because many school systems do not allow students with criminal records to be placed in their schools. To consent to the background check, the student must complete a Criminal Background Consent Form (obtainable from the Office of Academic Assistance and Graduate Admissions; 300 College of Education Bldg.) and submit it along with a check or money order for \$10 (made out to Georgia State University) and a photocopy of his or her state-issued Driver's License or Georgia State University PantherCard to the Office of Academic Assistance and Graduate Admissions by the deadline for applying for student teaching. The student must report any circumstance in which he or she was convicted of a crime, paid a fine, forfeited a bond, was sentenced (by a judge) to perform community service, pled nolo contendere, pled guilty, or received a suspended sentence to jail or prison time. (Minor traffic offenses are excluded; however, DUI convictions must be reported). All information obtained through the criminal background investigation will be kept confidential to the extent allowed by Georgia and Federal law.

1515 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.

- A student 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.
- A student may complete or present a non-educator-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, library media technology, reading specialist, school counseling, school psychology, science education, social studies education, and special education (except interrelated) are available only at the graduate level. The College of Education offers five Alternative Preparation Programs, master's degree programs which prepare students for initial certification in the following fields: early childhood education, English education, mathematics education, 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.

1520 University Recommendation

Students who complete a Georgia State educator preparation program by one of the three methods above and who present a passing score or scores on the appropriate Praxis II Assessments may be eligible for the Georgia State recommendation for teacher certification. The recommendation can be issued to the prospective teacher by the College of Education's Office of Academic Assistance and Graduate Admissions shortly after Commencement following the term of completion of requirements.

1525 Application for Teacher Certification

Prospective teachers must apply for teacher certification. Applications are available from the College of Education's Office of Academic Assistance and Graduate Admissions, 300 College of Education Building, and from the College of Arts and Sciences Office of Academic Assistance, 724 General Classroom Building. It is the student's responsibility to request the application and complete the submission process with the College of Education. The application, the completed recommendation form, and official transcripts from all colleges attended must be forwarded by the student in a single package to the Professional Standards Commission.

1530 Praxis II Assessments

The Praxis Series: Professional Assessments for Beginning Teachers is developed and administered by the Educational Testing Service (ETS). Praxis II: Subject Assessments includes

the tests of General Knowledge, Communication Skills, and Professional Knowledge and the Subject Assessment/Specialty Area tests. Information about the assessments is available at <http://www.teachingandlearning.org/>.

A requirement for teacher certification in the State of Georgia is a passing score on appropriate sections of the Praxis II Assessment. This test is administered at various times throughout the year. Test applications are available from the College of Education Office of Academic Assistance and Graduate Admissions (300 College of Education Building) while they last. Unless otherwise indicated in a program description, passing the Praxis II Assessment is not a degree-program requirement. All initial certification students submit copies of complete Praxis II Assessment scores (all four pages of the score report) to the offices of the College of Education and Academic Assistance 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.

1535 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:

EPSF 2010	Introduction to Educational Issues (3)
EPY 2050	Human Growth and Development (3)
EXC 2010	Exceptional Children and Youth (3)

1540 Professional Education Faculty

The Professional Education Faculty is a multidisciplinary team committed to teaching, research, and service in partnership with schools and community agencies. Its membership consists of members of the faculty of the College of Arts and Sciences and members of the faculty of the College of Education and is advised by representatives from various Atlanta-area schools which are part of the Metro-Atlanta P-16 Community Council.

1545 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://education.gsu.edu/aee/framework.htm>.

1545.10 Mission Statement

The mission of the Professional Education Faculty is to provide scholarship and leadership for the betterment of education and human development.

1545.20 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.

1545.30 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.

1545.40 Candidate Learning Outcomes

These 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.

1550 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 University's Professional Education Faculty is providing a network of support during a beginning teacher's first two years in the classroom.

The Georgia State University program is geared to supplement the induction work of principals, school administrators, and mentor teachers. This support includes:

- Personal contact—Each of Georgia State University's teacher education programs designates a contact person who can be reached in person, by e-mail, 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.

1560 Teacher Education

Warranty

- The Professional Education Faculty of Georgia State University guarantees the quality of any educator that they recommend for initial certification in Georgia.
- Georgia State University guarantees educators during the first two years immediately following graduation from Georgia State University or following recommendation by Georgia State University for an initial certificate, whichever occurs first.
- Any Georgia State University 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

602 RCB Building, 404/651-3990
www.gsu.edu/sps

Roy W. Bahl, Dean
Robert E. Moore, Associate Dean

2020 Purpose of the School

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, human resource development, policy studies, public administration, and urban studies integrate individual academic career preparation with addressing those needs.

2030 Accreditation

The Master of Public Administration degree is accredited by the National Association of Schools of Public Affairs and Administration.

2040 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:

2040.10 Economics

The Bachelor of Arts
Major in Economics
Concentration in Social Studies Education
The Bachelor of Science
Major in Economics
Concentration in Social Studies Education

Also offered through the College of Business Administration is the B.B.A. degree with a major in Economics. (See the “J. Mack Robinson College of Business” chapter of this catalog for program curriculum.)

2040.20 Human Resources Policy and Development

The Bachelor of Science.

2040.30 Urban Policy Studies

The Bachelor of Science
Urban Policy Studies
Specializations in:
Aviation and Transportation
Local Government Management
Planning and Economic Development
Public Policy

2050 Academic Advisement

Office of Academic Assistance
1203 Urban Life Center, 404/651-3504
www.gsu.edu/~wwwsps/acassist/orm.htm

Sue Fagan, Director
Wanda Cooley, Assistant Director
Bettye Davis, Academic Specialist

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. After selecting a specialization, the student is assigned a faculty adviser who is particularly qualified to offer academic and career guidance in that area. The Office of Academic Assistance provides regular academic program reviews for each major offered through the school, assists with course selections

and schedule revisions, and provides information concerning school and university policies. The office also works with students on career development and placement in the current job environment. Students should contact the Office of Academic Assistance if they have any questions regarding the advisement process.

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.

2060 Other Facilities/Services

2060.10 AYSPS Information Center

6th floor, RCB Building, 404/651-3913

The school 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 web site for beginning a search of the literature of regional, national, and international policy issues: www.gsu.edu/%7Ewwwfnd/.

The center and Pullen liaison librarians work to link pertinent resources 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 acquired recently by the Pullen liaison include EuroMonitor World Marketing Data, which gives each country's macroeconomic indicators. Lexis-Nexis statistical search now 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, *Tax Analysts*, 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 web site lists are provided.

2060.20 Office of Community Outreach and Partnerships

1215 Urban Life Center, 404/651-3545

The Office of Community Outreach and Partnerships (OCOP) serves as a vehicle for Georgia State University to link its resources to the community in an effort to assist nonprofit groups to identify, develop, or advocate for sustaining solutions to problems in the communities they serve. OCOP

outreach programs and activities are not exclusive to the Andrew Young School of Policy Studies, instead open to a broad range of university departments and programs. OCOP operates a service-learning program and assist faculty and staff with building community relationships.

Through the service-learning program, community service activities are coordinated through national projects such as AmeriCorps—Education Award Program, sponsored by the Corporation for National and Community Service. This program creates opportunities for undergraduate and graduate students to participate in direct service activities, from mentoring and educational support to leadership training. Additionally, students assist in the development of proposals and innovative strategies through research. Participating students develop leadership skills, solutions to real life problems, and explore career options in the public and nonprofit sector, while community organizations and groups gain additional support to assist urban, Metro Atlanta communities.

2060.30 Program for Rehabilitation Leadership

1208 Urban Life Center, 404/651-3532

The Program for Rehabilitation Leadership (PRL) provides human resource development and organizational development services to address the broad range of learning needs shared by organizations providing services and supports to individuals with disabilities. PRL offers diverse learning activities designed for developing human resource skills, enhancing organizational performance, sustaining organizational leadership, promoting knowledge networking among individuals and groups, and supporting the implementation of national disability policy. PRL is nationally recognized for exemplary practices targeting public and private organizations that comprise the disability service and advocacy system. Activities are funded through the Rehabilitation Services Administration of the U.S. Department of Education as well as various state and local contracts. Services include on-campus and field-based training and education, technical assistance, and applied research.

2070 Research Centers and Programs

2070.10 Domestic Programs

Domestic Programs is home to several separate programs and activities. Some of these programs, for example, the Office of Community Outreach and Partnership, link the college with the community. The 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 areas, 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 transformations, and studies of the labor market opportunities of low-skilled workers. Domestic Programs also houses the Georgia Poll, a quarterly public opinion poll of Georgia residents, and AtlantaCensus 2000, a portal that allows easy mapping of census data. Funding comes from a variety of governmental, foundation, and business sources.

2070.20 The Environmental Policy Program

The Environmental Policy Program addresses a range of issues including water resource management, measuring the value of environmental benefits and costs, and investment planning for environmental protections. Its objectives are to inform and improve environmental policy with scholarly work. A joint program with the Oak Ridge National Laboratory is operative, and faculty members are exchanged on a regular basis. A modern experimental laboratory is an integral part of the program. External funding has come from the U.S. Department of Energy, the National Science Foundation, and the private sector; core support comes from the Georgia Research Alliance and from the state government.

2070.30 Health Policy Center

The Georgia Health Policy Center conducts research used to develop health policy recommendations and implements strategies to improve health care delivery systems. It provides support to the legislative and administrative branches of Georgia's government and acts to develop public-private collaborative partnerships that increase resources available to the state.

The center's Long-Term Care research projects are designed to improve the long-term care delivery systems within Georgia. Staff provides ongoing technical assistance to the Georgia Legislature, the Department of Community Health, and the Department of Human Resources.

The Networks for Rural Health program provides tailored technical assistance, facilitation, mediation, and consultation to help rural communities build clinically relevant, financially viable health care systems. Staff members have received national and state recognition for the work they have been doing in 39 rural communities throughout Georgia.

The Child Policy Initiative improves child policy in Georgia through applied research and analysis. This initiative expands the center's initial focus to address children's policy issues beyond health care, with current efforts in children's health, child protective services, and childcare and early learning. The center analyzes existing policies and future options, researches best practices, and facilitates objective support for state agencies.

The center provides the administrative and technical home for the Philanthropic Collaborative for a Healthy Georgia, a forum of philanthropic and corporate foundations that have joined forces to enhance their health grant-making opportunities.

2070.40 International Studies Program (ISP)

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.

ISP projects are sponsored by the United States Agency 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/>.

2070.50 Fiscal Research Program

This program was established in 1995 in order to provide a stronger research foundation for setting fiscal policy for state and local governments and for better-informed decision making. The FRP 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. Recent projects have included a comprehensive analysis of Georgia's economic development tax credit program, an evaluation of Georgia's Corporation Income Tax, a study of tax base sharing, an investigation of the use of sales taxes to finance school construction, and an analysis of the changing geographic pattern of sales taxes in Georgia.

2070.60 Research Atlanta, Inc.

Research Atlanta Inc. is a privately funded research center whose goal is to inform and stimulate debate and action on important public policy issues facing metropolitan Atlanta. Funding comes mainly from the corporate sector. Since 1992, the Andrew Young School, or its predecessor, has conducted the research on the topics selected by Research Atlanta and prepared the reports that are reviewed and approved by

Research Atlanta. Recent research reports include Reinventing Municipal Governance: Programmatic Innovations from the new Generation of Big-City Mayors, School Boards and Local Control: Roles and Responsibilities, What is Social Capital and Why Does It Matter, and Developing a Comprehensive State Water Management Plan. Research Atlanta publicizes and disseminates its work through an aggressive outreach program, and its findings are regularly reported in the local and national press.

2080 Academic Regulations

2080.10 Credit Transferred from Other Institutions

Credit earned at another accredited institution prior to enrolling at Georgia State University, which has been accepted by the undergraduate admissions office of Georgia State, may be considered for acceptance as transfer credit. The amount of such transfer work shall not in any case exceed that allowed by Georgia State University.

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.

Please consult the “Academic Regulations” chapter of this catalog for further clarification and requirements regarding transfer and transient credit.

2080.20 CLEP Program

Up to 30 semester hours of academic credit in the baccalaureate degree programs of the Andrew Young School of Policy Studies may be earned through the College-Level Examination Program (CLEP), subject to the approval of the dean. Academic credit earned through CLEP cannot be applied to the minimum residence requirement. For further information, contact the Testing Office in the university Counseling Center and consult the “Academic Regulations” and “Admissions” sections of this catalog.

2080.30 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.

2080.40 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.

2080.50 Standards of Performance

Students enrolled in the Andrew Young School of Policy Studies must earn a grade of C or higher to receive degree credit in the following courses: Engl 1101 and Engl 1102 and the major common core curriculum. Additionally, students in the Bachelor of Arts or Bachelor of Science program in Economics must earn a grade of C or higher in courses in the minor area; students in the Bachelor of Science in Urban Policy Studies or Human Resources Policy and Development program must earn a grade of C or higher in courses in the area of specialization.

No more than 12 semester hours of credit where a grade of D has been earned can apply towards the degree program in the Andrew Young School of Policy Studies. These 12 semester hours include both resident (taken at Georgia State) and transfer credit. (Cross-registration courses are considered resident credit.)

2080.60 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.

2080.70 Graduation with Honor

The Andrew Young School of Policy Studies may award a degree with honor in accordance with the policies of Georgia

State University, which are outlined in the “Academic Regulations” chapter of this catalog. To be eligible for this distinction, a student must complete at least 50 percent of the course work in residence and attain a specific cumulative grade point average.

2080.80 Honors Program

An honors program is offered by the College of Arts and Sciences. Students in the Andrew Young School of Policy Studies who meet the entrance requirements may be eligible to participate in this program. For more information, refer to the “Honors Program” description in the “College of Arts and Sciences” chapter of this catalog.

2080.90 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, United Airlines—Eddie Carlson Award in Aviation Administration, Wall Street Journal Student Achievement Award in Economics, William R. Gable Award, Dan Sweat Award, and the Governor Joe Frank Harris Scholarship. Information about these awards is included in the “Honors Day” section of this catalog. Further information is available through the Office of Academic Assistance.

2090 Student Organizations

2090.10 Alpha Eta Rho

Students with a specialization in Aviation and Transportation may join the international aviation fraternity, Alpha Eta Rho. The fraternity’s activities include tours of local aviation facilities, student paper competitions, and social events among student members. For information, contact the Department of Public Administration and Urban Studies, 404/651-3350.

2090.20 The Economics Club

Students with a major in economics are invited to participate in this chartered organization. Its goals are to build collegiality between students majoring in economics and to provide support for all students taking economics courses and considering a career as an economist or in a related field. Among the many activities of the club is a guest speaker series with speakers from local, state, and national businesses and governments discussing job opportunities and career paths in their organizations. For information, contact Dr. Kelly Edmiston, 404/651-3519.

2090.30 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 university’s ODE representative, Dr. Kelly Edmiston, 404/651-3519.

2100 Student Appeals and Petitions Procedures

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, admissions 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: 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.

2110 Department of Economics

6th floor, Robinson College of Business Building
404/651-2626

James Alm, Chair
Caroline Griffin, Administrative Specialist
Faculty: Alm, Bae, Bahl, Boex, Cummings, Edmiston, Farnham, Ferraro, Frost, Gurmu, Hamilton, Hotchkiss, Kaufman, Laury, Mansfield, Martinez-Vazquez, Moore, Petric, Rioja, Scafidi, Seaman, Sjoquist, Stephan, Taylor, Tekin, Turnbull, Valev, Walker, Wallace, Xu, Young

Faculty Adviser: Jay Bae

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 majoring or minoring 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.

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 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, 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, or law.

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 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.

The following bachelors degrees are awarded in economics: The Andrew Young School of Policy Studies awards a B.A. and a B. S. The J. Mack Robinson College of Business awards a B.B.A.

2110.10 Degree Requirements

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 "Academic Regulations" 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.

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
Choose six 4000 level Econ courses (18)	

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	Comparative Urban Structure
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	Studies in International Political Economy
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
Mgt	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 (12-15) 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 15-18 semester hours, in one department/school/institute other than the major.

Area J: Electives (15-18) 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

2110.20 Degree Requirements

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 "Academic Regulations" 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	Choose six 4000-level courses (18)

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	Comparative Urban Structure
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	Studies in International Political Economy
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
Mgt	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 (15-18) 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 15-18 semester hours, in one department/school/institute other than the major.

Area J: Electives (12-15) 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 *

* If Econ 3000 is chosen, then one other course from Microeconomics and Policy and one course from Macroeconomics and Policy must be chosen.

For information about the B.B.A. degree with a major in economics offered by the J. Mack Robinson College of Business, please refer to that college's chapter in this catalog.

2120 Department of Public Administration and Urban Studies

1256 Urban Life Center, 404/651-3350

Lloyd G. Nigro, Ph.D., Chair

Sally B. Fowler, Administrative Specialist

Faculty: Charles, Ghobrial, Hansen, Harris, Helling, Henry, Kahnweiler, Lewis, Newman, Nigro, Ottoson, Patton, Poister, Roch, Rushton, Rubenstein, Steeh, Streib, Thomas, Van Slyke, Waugh, Willis, 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 two degrees: a Bachelor of Science degree in human resources policy and development and a Bachelor of Science degree in urban policy studies. The urban policy studies degree includes a choice of specializations between aviation and transportation, local government management, planning and economic development, and public policy. Graduate degrees are available in public administration, human resource development, urban policy studies, and public policy.

2120.10 Degree Requirements Bachelor of Science Major in Human Resources Policy and Development

The interdisciplinary major in human resources policy and development provides students with broad preparation in the growing field of human resources. Students obtain a basic introduction to the field from a common core curriculum, which includes courses on the career development process, human resources management, and human resource development, along with a survey of social science research methods. An advanced elective curriculum then permits students to pursue more intensive study of specific aspects of human resources policy and development, ranging from human resources policy and development, ranging from human resources policies to training strategies to organizational management. 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.

Career Opportunities. Graduates of the human resources policy and development program work in a variety of jobs in the expanding human resources field, such as trainers, human resource managers, organizational designers, and labor force planners. The degree in human resources policy and development also provides excellent preparation for master's and doctoral work in a number of disciplines, including public administration and business administration, among other fields.

Complete descriptions of requirements for Areas A through E of the Undergraduate Core Curriculum can be found in the "Academic Regulations" 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 Sciences (11)

Area E: Social Sciences (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)

PAUS 3011	Introducing the City
PAUS 3211	Career Development Process
PAUS 3611	Introduction to Human Resource Development
PAUS 4211	Issues and Problems in Human Resource Management
PAUS 4021	Policy Research Methods I
PAUS 4031	Policy Research Methods II

Area H: Required Electives

Choose six courses from the following (18)

PAUS 3801	Public Administration and Politics
PAUS 4221	Human Capital Development Policy
PAUS 4241	Training Design and Strategies
PAUS 4261	Organizational Contexts of Human Resources
PAUS 4601	Leadership, Citizenship, and Public Ethics
PAUS 4941 or 4981	Internship or Practicum
ECON 4960	Economics of Work and Pay
Mgt 3500	Management Concepts, Theory, and

	Practice
Mgt 4360	Human Resources Selection
Soci 3208	Work and Employment

Area I: Approved Elective (24) Students choose eight courses with adviser approval.

Total Semester Hours for Degree: 120

2120.20 Degree Requirements

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 as well as often opening 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 "Academic Regulations" 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)

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

Aviation and Transportation (21): The aviation and transportation specialization provides university-level course work for aviation and other transportation employees or for individuals who wish to begin a career in this field. Upper division courses offer multi-disciplinary studies in public policy, aviation management, and business finance (available in fulfillment of Area I elective requirements). Graduates are prepared for entry or advancement in a wide variety of aviation and transportation related careers, both in the public and private sectors.

Flight training is also available for students interested in a career as a professional pilot, through Part 141 flight schools. Students can earn up to 21 semester hours of credit (available in fulfillment of Area I elective requirements) for Federal Aviation Administration licenses and ratings including private pilot, commercial pilot, instrument rating, multi-engine rating, flight instructor, and an advanced flight training section. Each rating or training section is associated with a practicum that the student registers for prior to beginning training. Grades and credit are awarded upon completion of the related license and successfully passing an additional written examination for the license or rating, administered by the Georgia State University Aviation Program.

Required courses:

PAUS 4501	Transportation Management
PAUS 4511	Introduction to Civil Aviation

Choose five courses from the following (15):

PAUS 3511	Aviation Meteorology
PAUS 3521	Aeronautics and Flight Technology
PAUS 3531	Air Traffic Management

PAUS 4521	Aviation History
PAUS 4531	Aviation and Transportation Safety Management
PAUS 4541	Aviation and Transportation Law and Regulations
PAUS 4551	Airline Management
PAUS 4561	Airline Marketing, Public Relations, and Passenger Operations
PAUS 4571	Air Cargo Operations and Systems
PAUS 4581	Airport Management, Operations, and Planning
PAUS 4591	General Aviation Management
PAUS 4941	Internship - requires adviser approval prior to enrollment.

Area I: Approved Electives (21) The following practica are available to students pursuing individual flight ratings or the professional pilot program. Credits apply to Area I. For questions concerning transfer credit, refer to the Transfer Credit Policy in the Undergraduate Admissions section of this catalog.

PAUS 4592	Practicum in Basic Aeronautics (3)
PAUS 4593	Practicum in Instrument Flight (3)
PAUS 4594	Practicum in Commercial Aviation and Flight Operations (3)
PAUS 4595	Practicum in Flight Instruction (3)
PAUS 4596	Practicum in Flight Instruction-Instrument and Multi-Engine (3)
PAUS 4597	Practicum in Advanced Flight Training (6)

Students may make other course selections with adviser approval.

Total Semester Hours for Degree: 120

Undergraduate Airline Management Certificate: The Airline Management Certificate is administered by the Department of Public Administration and Urban Studies and is available to students throughout the university. It is designed to prepare students for careers in either the public sector or the private sector of aviation. Students are employed throughout the aviation industry by major airlines, corporate aviation departments, general aviation fixed-based operations, regulatory agencies, state aviation authorities, and as pilots in all branches of the military, regional, and major airlines.

In order to be admitted to the Airline Management Certificate program, students must be regularly enrolled in a degree program at Georgia State University. Students may be admitted at any point while they are in an undergraduate degree program. Students are required to submit the Application for Admission to the Airline Certificate Program to the Department of Public Administration and Urban Studies. An interview with the program coordinator is required.

To complete the Airline Management Certificate, students must complete the following 12 semester hour curriculum with a grade of C or higher in all course work.

Required courses (9):

PAUS 4511	Introduction to Civil Aviation
PAUS 4551	Airline Management
PAUS 4561	Airline Marketing, Public Relations and Passenger Operations

Select one course from the following (3):

PAUS 4531	Aviation and Transportation Safety Management
PAUS 4541	Aviation and Transportation Law and Regulations
PAUS 4571	Air Cargo Operations and Systems
PAUS 4581	Airport Management, Operations, and Planning

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):

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):

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 Human Resource Management
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):

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

Choose two courses from the following (6):

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 4221	Human Capital Development Policy
PAUS 4461	Planning Workshop
PAUS 4501	Transportation Management
PAUS 4581	Airport Management, Operations and Planning
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 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 which permit further specialization in particular areas of public policy.

Required courses (9):

PAUS 4061	Microeconomics for Public Policy
PAUS 4091	Seminar in Urban Research Design
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 4221	Human Capital Development Policy
PAUS 4301	Local Governance
PAUS 4451	Economic Development Policy

PAUS 4651 Education Policy

Select two courses from the following (6):

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

2130 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
 Natural Resource 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:

Aviation
 Human Resources
 Management and Finance
 Natural Resource Management
 Nonprofit Management
 Planning and Economic Development
 Policy Analysis and Evaluation

The Master of Public Administration/Juris Doctor

The Master of Science in Human Resource Development

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

Macroeconomic Fluctuation and Forecasting
 Public Finance
 Urban and Regional Economics

The Doctor of Philosophy in Human Resource Development

The Doctor of Philosophy in Public Policy—joint degree program with the Georgia Institute of Technology—with elective fields in:

Environmental Policy
 Health Policy
 Information and Telecommunication Policy
 Policy Implementation and Administration
 Public Finance
 Science and Technology Policy
 Urban and Regional Economic Development Policy
 Urban Policy

3000 College of Arts and Sciences

3010 Office of the Dean

741 General Classroom Building, 404/651-2294
www.cas.gsu.edu

Lauren B. Adamson, Dean
David C. Blumenfeld, Associate Dean for the Humanities and
for International Programs
Charles D. Derby, Associate Dean for the Natural and
Computational Sciences
Hugh D. Hudson, Jr., Associate Dean for the Social and
Behavioral Sciences
Pamela Longobardi, Associate Dean for the Fine Arts
Robin D. Morris, Associate Dean for Research and Graduate
Studies
Lawrence J. Rifkind, Associate Dean for Undergraduate
Studies

3020 General Information

The College of Arts and Sciences consists of 20 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 10,000 undergraduate and 2,000 graduate majors. The college also has the 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 aesthetics, 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. The university publishes a graduate catalog that includes complete descriptions of all of the graduate programs offered at Georgia State University.

3030 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, and the graduate program in psychology by the American Psychological Association.

3040 Tutorial Facilities

3040.10 The Cooperative Learning Laboratory

120 Kell Hall, 404/651-3365

The Cooperative Learning Laboratory provides free instructional support in mathematics and English as a second language. 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.

3040.20 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.

3040.30 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 active language skills and provides added cultural and literary knowledge. The LARC offers a wide range of multimedia and audiovisual materials, including videos and CD-ROMs as well as the most up-to-date instructional computer software available. A tutorial support program for students in elementary and intermediate language courses is also available.

3040.40 Mathematics Assistance Complex

122 Kell Hall, 404/651-3365

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.

3040.50 Music Media Center

400 Haas Howell Building

The School of Music's Music Media Center provides students a resource center for music study with 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.

3040.60 Visual Resource Center

258 Art and Humanities Building, 404/651-0492

The 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.

3040.70 Writing Center

976 General Classroom Building, 404/651-2906

The Writing Center in the Department of English offers free assistance to students with writing assignments required in any university course. Students may walk in to consult with faculty or graduate student tutors about basic writing problems, ways of developing an assigned topic, or techniques for revising and editing. Individualized preparation for the essay portion of the Regents' Test is available. Weekly appointments with graduate student tutors provide continued and intensive help for those with special needs. In addition, all students may use a variety of other center resources: books, workbooks, word processors, and computer-assisted editing programs.

3050 Other Facilities

3050.10 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.

3050.20 Cartography Production Laboratory

The Cartography Production Laboratory, located in the Department of Anthropology and Geography, 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 Anthropology and Geography. In addition to the Cartography Production Laboratory, the department maintains a Geographic Information Systems facility offering GIS services for the university.

3050.30 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/>.

3050.40 Digital Arts and Entertainment Laboratory

The Digital Arts and Entertainment Laboratory supports one of the most advanced studies of digital media content origination in the United States. At the heart of the laboratory is the multimillion-dollar Cineon digital system, considered the industry's finest nonproprietary tool for editing and compositing. The state-of-the-art system provides university graduate students and faculty, as well as members of Georgia's media industry, with opportunities to employ digital technology in unprecedented ways. For more information, visit www.gsu.edu/~wwwfx.

3050.50 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 Pullen 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.

3050.60 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 Pullen 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.

3050.70 Hard Labor Creek Observatory

The university's Hard Labor Creek Observatory, located in a 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.

3050.80 Recital Hall

The School of Music's 400-seat 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.

3050.90 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.

3060 Research Centers

3060.05 Center for Asian Studies

The Center for Asian Studies 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.

3060.10 Center for Biotechnology and Drug Design

Dr. P. 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 collaborative efforts with biotechnology firms in Georgia. Core facilities 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://chemistry.gsu.edu/BDD/> and www.cas.gsu.edu/biotech.

3060.15 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 is 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 web sites: www.gsu.edu/~wwwcbh/ and <http://www.cbn-atl.org>.

3060.20 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 music.gsu.edu/cepm/default.htm.

3060.25 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 and Geography, Biology, Chemistry, Computer Science, Economics, Geology, Mathematics and Statistics, Philosophy, Physics and Astronomy, and Public Administration. For more information, visit biology.gsu.edu/depart/centerEnviron.htm.

3060.30 Jean Beer Blumenfeld Center for Ethics

Dr. Christopher Wellman, 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 www.gsu.edu/~www.phl/EthicsFramesIndex.html.

3060.35 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 telescopes 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 www.chara.gsu.edu/CHARA/index.html.

3060.40 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 www.gsu.edu/~wwwcim/.

3060.45 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 Geography, Biology, Communication, and Educational Psychology and Special Education. For more information, visit www.gsu.edu/lrc.

3060.50 Center for Latin American and Latino Studies

Dr. Fernando Reati, Director

The Center for Latin American and Latino Studies addresses issues of Latin American culture, economics, and politics through interdisciplinary research, education, and community outreach. Faculty from a variety of departments, including Anthropology and Geography, Art History, 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 www.clals.gsu.edu/index2.html.

3060.55 Middle East Center for Peace, Culture, and Development

Dr. Ahmed Abdelal, Founding Director

Dr. Dona J. Stewart, Director

The Middle East Center for Peace, Culture, and Development is an interdisciplinary center that coordinates collaborative efforts between Georgia State University and other southeast institutions and institutions in the Middle East, including the joint MBA program with Cairo University; professional media training; partnerships with Egyptian and Israeli institutions in biotechnology research, development, and commercialization; teacher training programs in English language and mathematics and science; and peace education and conflict resolution programs. In addition to coordinating these activities, the center plans future programs and, through the Middle East Lecture Series and other endeavors, works to increase public understanding of the rich and varied cultures of the Middle East. For more information, visit www.gsu.edu/mideast.

3060.60 *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.

3060.65 Center for Neural Communication and Computation

Dr. Donald Edwards, Director

The Center for Neural Communication and Computation consists of an interdisciplinary group of biologists, mathematicians, computer scientists, and physicists who share an interest in mechanisms of communication and computation in biological neural systems, in artificial neural networks, and in parallel processors. The center provides interdisciplinary research opportunities for undergraduate and graduate students with interests in these areas. For more information, visit <http://biology.gsu.edu/neurosci/cncc.htm> and <http://www.cbn-atl.org>.

3060.70 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 13 institutions in the Northwest Georgia area. For more information, visit www.gsu.edu/~wwwrld/.

3060.75 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.

3060.80 Center for Research and Innovation in Digital Arts and Media (CRIDAM)

The Center for Research and Innovation in Digital Arts and Media supports research and creative development activities in digital arts and media. The center also supports projects that effectively promote strategies for educating, entertaining, and enlightening digital media consumers. As an interdisciplinary endeavor, the center accomplishes its goals in coordination with various affiliated laboratories in a number of departments and schools including Communication, Computer Science, Psychology, Music, and Art and Design.

3060.85 Center for Hellenic Studies

Dr. David Blumenfeld, Acting 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 www.gsu.edu/~wwwasi/chs/.

3060.90 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 www.gsu.edu/~wwwvir/.

3070 Degrees Offered

Undergraduate and graduate degree programs are offered through the Departments of African-American Studies, Anthropology and Geography, Applied Linguistics and English as a Second Language, Biology, Chemistry, Communication, Computer Science, English, Geology, History, Mathematics and Statistics, Modern and Classical Languages, Philosophy, Physics and Astronomy, Political Science, Psychology, and Sociology and the Schools of Art and Design and Music.

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.

Graduate programs offered through the College of Arts and Sciences are listed at the end of this chapter. Undergraduate programs are as follows:

3070.10 The Fine Arts and Humanities

Bachelor of Arts

Art, English, Film and Video, French, German, Journalism, Philosophy, Religious Studies, Spanish, Speech, Theatre

Bachelor of Fine Arts

Art Education, Studio Art

Bachelor of Music

Music

Bachelor of Science

Music

3070.20 The Natural and Computational Sciences

Bachelor of Arts

Mathematics

Bachelor of Science

**Biology, Chemistry, Computer Science,
Geology, Mathematics, Physics**

3070.30 The Social and Behavioral Sciences

Bachelor of Arts

**African-American Studies, Anthropology,
Geography, History, Political Science,
Psychology, Sociology**

Bachelor of Science

Psychology

3070.40 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 interdisciplinary programs address the needs of many students interested in a multidisciplinary, nontraditional education. Existing areas of concentration include arts administration, classical studies, community studies, environmental science, international studies, language studies, law and society, Middle East studies, and women's studies. There is considerable flexibility in the student planned interdisciplinary program, including the options of taking two interdisciplinary areas of concentration; one area of concentration and two allied fields; or one area of concentration, one allied field, and electives.

3080 Office of Academic Assistance

724 General Classroom Building, 404/651-2291

Director: Tammy Patterson-Hill

Academic Advisers: Allen, Bullock, Hamby, King, Meier
www.cas.gsu.edu/dept/oaa

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. Monday through Thursday and until 5:15 p.m. on 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.

3080.10 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.

3090 Admission Requirements

The requirements for entrance into Georgia State University are found in the section of this catalog devoted to undergraduate admissions.

Special requirements for admission to the programs leading to the Bachelor of Fine Arts, the Bachelor of Interdisciplinary Studies, and the Bachelor of Music degrees are listed in those sections of this catalog.

3100 Transfer Students

A transfer student must comply with all academic regulations of the university. The following regulations should be noted:

1. 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;
2. Transfer grades below C will be accepted in fulfillment of the major or minor requirements only in accordance with the "Standards of Performance" section of this catalog;

3. Work transferred from a junior college can be applied only at the lower-division level; and
4. Students holding a baccalaureate degree from an accredited college or university who wish to complete another undergraduate degree must meet the residence requirements of the university as described earlier in this catalog in the section titled “Academic Regulations.” Degree-holding students must also satisfy the requirements for the major and the general education requirements of their degree program. Honors recognition of degree-holding students who are awarded a degree in the college will be based solely and exclusively on the scholastic record earned since the last degree and/or while in residence for the second degree program. Degree-holding students are urged especially to clear all requirements with an adviser in the Office of Academic Assistance.

3110 Acceptance of Grades of D

The College of Arts and Sciences allows no more than 12 semester hours of grades of D to apply toward degree requirements of a baccalaureate program of study. This 12 semester hours includes both resident (taken at Georgia State) credit and transfer credit. (Cross-registration credit is considered resident credit.) This policy applies to all new freshmen and transfer students.

Grades in the major and minor require a grade of C or higher. Certain departments/schools/institutions may also require a grade of C or higher in their introductory courses.

3120 Academic Credit

3120.05 Credit for Transient Work

Arts and Sciences students who wish to take course work at another college, 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 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 University offerings. During the term in which the student is scheduled to graduate, all courses must be taken at Georgia State University 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.

3120.10 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, not more than 6 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.

3120.15 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 (ROTC).

3120.20 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 the senior who is within two terms of graduation and who has a curriculum difficulty in fulfilling the requirements necessary for graduation. One or up to a maximum of four credit hours may be earned. Registration for the course must be approved by the supervising professor, the departmental chair/school director, and the dean of the college. 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.

3120.25 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.

3120.30 Modification of College Degree Requirements

The college Petitions Committee 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.

3120.35 Student Appeals Policies and Procedures

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 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 should 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.

3120.40 Standards of Performance

Grades in the major and in the minor must be grades of C or higher. Certain departments and schools also require a grade of C or higher in their introductory courses.

At least one-half of the courses comprising the major or 11 hours, whichever is less, must be taken in residence at Georgia State University. Some majors may require more hours in residence exclusive of courses taken through the National Exchange Program. The most recent attempt in a course will be the one used to satisfy degree requirements. Consult the "Residence Requirement" section in the "Academic Regulations" chapter for further statements in regard to the university residence requirement. (See also the section on "Acceptance of Grades of D.")

3120.45 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 in law and society, women's studies, and student-planned programs in the humanities and social sciences. Some degree programs require courses beyond 1002 (see program degree requirements sections of this chapter).

The college recommends that students in the Bachelor of Arts and the specified Bachelor of Interdisciplinary Studies programs not include a foreign language course in core curriculum Area C (Fine Arts and Humanities).

The foreign language requirement for students enrolled in the Bachelor of Arts and the specified 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 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 would like to begin a new 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.

3120.50 Graduation Requirements

Students must apply for graduation three academic terms prior to the planned completion of their degree requirements.

A minimum of 120 semester hours, exclusive of lower-division military science and physical education, is required for

graduation. Requirements for certain programs may exceed the minimum.

3120.55 Academic Discipline

The university regulations regarding scholastic warning, scholastic supervision, scholastic suspension, and scholastic exclusion are found in the “Scholastic Discipline” section of the “Academic Regulations” chapter of this catalog.

3120.60 Georgia State University’s Undergraduate Core Curriculum

The University System of Georgia and Georgia State University require all students seeking a baccalaureate degree to complete satisfactorily a basic core of general education subjects. Areas A through E of the 60 semester hour undergraduate core curriculum are described in detail in the “Academic Regulations” section of this catalog. Information about these requirements can also be accessed on-line at <http://www.gsu.edu/~wwwreg/UGCore>.

Areas F through H of the curriculum list the remaining requirements for each degree. Complete descriptions of Areas F through H for each degree offered by the College of Arts and Sciences are listed in the departmental sections of this chapter.

3130 Degree Programs: B.A., B.F.A., B.I.S., B.Mu., and B.S.

3130.10 General Degree Requirements

For graduation with a baccalaureate degree from the College of Arts and Sciences, the student must complete the requirements listed below and must comply with the general academic regulations of the university. In the following pages, the degree requirements are presented in summary form after which there is a more complete explanation.

3130.20 Bachelor of Interdisciplinary Studies

Information about the B.I.S. program, including program options and the application process, is available from the college’s Office of Academic Assistance at 404/651-2291.

Purpose

The Bachelor of Interdisciplinary Studies degree provides educational opportunities not readily available through traditional departmental degree programs. Students have maximum flexibility in developing a course of study appropriate to their goals by selecting courses from several departments/schools 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 early in a student’s academic program and should reflect a logical, consistent course of study that is based on acceptable and germane student objectives.

Admission Requirements

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 or a predicted grade point average of 2.0. Matriculation into the program occurs only after the approval by the Faculty Advisory Council of an application that will identify the 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 Options

There are two broad 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 Faculty Advisory 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.

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 advisor in the Office of Academic Assistance (404/ 651-2291). Students must also select an appropriate faculty advisor 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. Questions about choices in the core curriculum for B.I.S. students should be directed to an academic advisor in the Office of Academic Assistance of the College of Arts and Sciences (404/ 651-2291).

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 student-

planned programs in the humanities and social sciences.

Area G: Area of Concentration (similar to a traditional major area, except interdisciplinary in content).

Area H: Allied Field, if chosen (similar to a minor, except interdisciplinary in content).

Area I: 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 (not less than six semester hours) as shown in the “Course of Study Outline for Student-Planned Programs” section.**

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*).**

- * Not more than 12 semester hours of the requirements in an Area of Concentration, and not more than six semester hours of the requirements in an Allied Field, may be taken from the offerings of any one department/school/institute in the university. A grade of C or higher is required in all courses in the area of concentration and allied field. An additional area of concentration and/or allied field may be included in the proposed program if the student would like to include more program semester hours than required. However, the minimum number of total semester hours required in the program is 120.

At least 39 semester hours of the total number of semester hours counted toward graduation must be in courses taken at Georgia State University numbered 3000 and above where an average grade of C or higher was earned.

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/Theater or Visual Concentration

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. For students interested in the visual aspect, please contact the faculty advisor, Ms. Constance Thalkin at 404/651-0504 or artcjt@panther.gsu.edu. For students interested

in the speech/theater focus, please contact the faculty adviser, Dr. Ray Miller, at 404/651-3214 or jourfm@panther.gsu.edu.

Degree Requirements

Degree offered:

Bachelor of Interdisciplinary Studies

Concentration in Arts Administration—Visual Arts

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major (18)

1. Required Courses (6)

ART 1010	Drawing I
ART 1020	Drawing II
2. Required Courses (6)

ART 1030	Two-Dimensional Design
ART 1040	Three-Dimensional Design
3. Required Course (3)

ACCT 2101	Principles of Accounting I
4. Required Course (3)

SPCH 1500	Public Speaking

Area G: Area of Concentration—Visual Art

1. Required Course (3)

AE 4800	Visual Arts Management
2. Select two courses in addition to any taken in Area C (6)

AH 1700	History of Western Art I
AH 1750	History of Western Art II
AH 1850	Arts of Africa, Oceania, and the Americas
3. Required Course (3)

GRD 3000	Introduction to Graphic Design
4. Select two courses (6)

CER 3000	Hand Building I (3)
DP 3200	Painting with Water-Based Media (4)
JEWL 3000	Jewelry Design and Metalsmithing I (3)
PRT 3000	Introduction to Printmaking (4)
PHOT 3000	Photography I (3)
SCUL 3000	Sculpture I (3)
TEXT 3000	Fibers, Colors, Dyes, and Dyeing (3)
5. Required Course (3)

- ART 4980 Special Problems
6. Required Course (3)
MUA 3930 Masterworks: Listening to and Understanding Great Music
7. Required Course (3)
THEA 2040 Introduction to the Theatre

Area H: Allied Field

1. Required Course (3)
JOUR 3500 Public Relations
MGT 3500 Management Concepts, Theory, and Practice
BUS 2106 The Legal Environment of Business
2. Required Courses (6)
MK 3010 Basic Marketing
MK 4300 Advertising
3. Select two courses (6)
MK 4310 Advertising Campaigns
MK 4100 Buyer Behavior
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.

Degree Requirements**Degree offered:****Bachelor of Interdisciplinary Studies****Concentration in Arts Administration—Speech and Theater****Area A: Essential Skills (9)****Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major**

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 History of Western Art I
AH 1750 History of Western Art II
AH 1850 Arts of Africa, Oceania, and the Americas

Area G: Area of Concentration—Speech and Theater

1. Required Course (3)
SPCH 2650 Interpersonal Communication
2. Required Course (3)
MUA 3930 Masterworks: Listening to and Understanding Great Music
3. Select one Art History course at the 4000 level.
4. Select six additional courses at the 3000/4000 level in Speech and Theater for which the prerequisite has been met. No more than 12 hours from one discipline.

Area H: Allied Field

1. Required Courses (9)
JOUR 3500 Public Relations
MGT 3500 Management Concepts, Theory, and Practice
BUS 2106 The Legal Environment of Business
2. Required Courses (6)
MK 3010 Basic Marketing
MK 4300 Advertising
2. Select two courses (6)
MK 4310 Advertising Campaigns
MK 4100 Distribution Management
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.

Classical Studies

This program recognizes the interdisciplinary nature of classical studies and provides the student the opportunity of pursuing studies in Latin language and literature in the broader context of related disciplines such as history, English, philosophy, and art history. Concentrations in Latin and a related discipline as well as an allied field in medieval and renaissance studies 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. John Austin, at 404/651-2265 or jsaustin@gsu.edu.

Degree Requirements**Degree offered:****Bachelor of Interdisciplinary Studies****Concentration in Classical Studies**

Area A: Essential Skills (9)**Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

1. Required Courses (6)

LATN 2001	Intermediate Latin
LATN 2002	Latin Prose
2. Select additional courses to complete 18 hours:

CLAS 2201	Greek Drama (3)
CLAS 2202	Classical Epic (3)
CLAS 2203	Greek and Roman Mythology (3)
AH 1700	Survey of Art I (3)
EPSF 2010	Introduction to Educational Issues (3)
EPY 2050	Human Growth and Development (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

1. Select four courses (12):

LATN 4001	Vergil's <i>Aeneid</i>
LATN 4012	Horace
LATN 4013	Cicero
LATN 4035	Vergil's Early Poetry
LATN 4036	Historical Latin Prose
LATN 4075	Prose Composition
2. Select four to five courses (12-15):

AH 4110	Art and Architecture of Ancient Greece
AH 4120	Art and Architecture of the Middle Ages
HIST 3500	The Ancient Mediterranean
HIST 4510	Greek Civilization
HIST 4520	Roman Civilization
PHIL 3010	History of Western Philosophy I: Ancient and Medieval
PHIL 4010	Plato
PHIL 4020	Aristotle

Area H: Allied Field (Medieval and Renaissance)

1. Required Courses (6)

LATN 4040	Medieval Latin

LATN 4080	Neo-Latin Seminar
2. Select three courses (9)

AH 4200	Art and Architecture of Ancient Greece
AH 4310	Art of Northern Europe in the Renaissance Era
AH 4320	Italian Renaissance Art: The Age of Humanism
HIST 3510	Medieval Europe
HIST 3520	Early Modern Europe, 1500-1789
HIST 4530	European Renaissance and Reformation
MUS 4800	Music History from Antiquity through the Baroque Period
PHIL 4120	Augustine and Aquinas

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 Certification

1. Select two additional Latin courses at the 3000-4000 level (6)
2. Required Course (3):

EPSF 2010	Introduction to Educational Issues
3. Required Course (3):

EPY 2050	Human Growth and Development
4. Required Course (3):

EXC 2010	Exceptional Children and Youth
5. Required Course (3):

IT 3210	Teachers and Technology
6. Required Course (3):

FORL 3021	Introduction to Linguistics

Must apply and be accepted into the teacher certification program in order to take the courses below:

7. Required Course (3):

FORL 4027	Methods and Materials for Teaching Latin: K-12
8. Required Course (3):

FORL 4030	Practicum in Foreign Language Education
9. Required Courses (9):

FORL 4061	Student Teaching in Foreign Language (4)
FORL 4062	Student Teaching in Foreign Language (4)
FORL 4063	Student Teaching in Foreign Language (4)

Student Teaching in Foreign Language (Student Teaching: Must apply in advance. Check current catalog for deadline.)

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

Degree Requirements

Degree offered:

Bachelor of Interdisciplinary Studies Concentration in Community Studies

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major

1. Select six courses (18):
AAS 2010, ANTH 1102, ANTH 2020, CSC 1010, CSC 2010, ECON 2105, ECON 2106, GEOG 1101, GEOG 2202, GEOG 2204, GEOG 2206, HIST 1111, HIST 1112, HIST 1140, JOUR 2500, MATH 1070, PHIL 2010, POLS 2101, POLS 2401, PSYC 1101, PSYC 2070, PSYC 2103, WST 3010, SOCI 1101, SOCI 1160, SPCH 2050, SPCH 2650.
(Any foreign language at the 1000/2000 levels)

Area G: Area of Concentration—Community Studies

1. Select six courses (18):
ANTH 4200, ECON 4300, ECON 3010, GEOG 4764, GEOG 4774, HIST 4220, POLS 4115, PSYC 4510, PSYC 4520, SOCI 4226, PAUS 3111
2. Select one course (3):
HIST 4320, GEOG 4768, SOCI 4279
3. Select four courses (12):
ANTH 4480, FILM 4240, GEOG 4520, GEOG 4522, HIST 4330, HIST 4340, POLS 3800, SOCI 3010, SOCI 3020, PAUS 4021

Area H: Allied Field

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.

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.

Degree Requirements

Degree offered:

Bachelor of Interdisciplinary Studies Concentration in Environmental Studies

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major (16)

1. Required Courses (8)

BIOL 1107K	Principles of Biology I
BIOL 1108K	Principles of Biology II
2. Required Courses (8)

CHEM 1211K	Principles of Chemistry I
CHEM 1212K	Principles of Chemistry II

Area G: Area of Concentration—Environmental

1. Required Course (3)
ANTH 4060 Cultural Ecology
2. Required Course (3)
GEOG 4648 Biogeography
3. Required Course (3)
GEOL 3004 Environmental Geology
4. Required Course (3)
BIOL 4045K General Ecology
5. Select an additional 19 hours from approved list and in consultation with institute adviser.

Area H: Allied Field (22)

1. Required Courses (8)

CHEM 2400	Organic Chemistry I
CHEM 3410	Organic Chemistry II

2. Select eight hours:
CHEM 4600, CHEM 4000, CHEM 4010, GEOG 4532,
ANTH 4590, ANTH 4550, ENGL 3110, GEOL 4001,
GEOL 4002, GEOL 4003, PHYS 3500, PHYS 3510, PHIL
4520
3. Select an additional six hours from approved list and in
consultation with institute 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.

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. Donald Reid, at 404/651-3255 or dreid@gsu.edu.

Degree Requirements

Degree offered:

Bachelor of Interdisciplinary Studies Concentration in International Studies

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major (18)

1. Required Courses (3-9)
Arabic, German, Italian, Japanese, Latin, Russian,
Spanish, through the 2002 level with a grade of B or
better
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 4010, 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

GEOG 4770	Third World Urbaniza- tion
POLS 4210	Politics of Developing Countries
PHIL 4610/RELS 4610	Eastern Religion and Philosophy I (same as RELS 4610)
PHIL 4620/RELS 4620	Eastern Religion and Philosophy II (same as RELS 4620)

**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
Arabic, German, Italian, Japanese, Latin, Russian,
Spanish, through the 2002 level with a grade of B or
better.
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
ECON 3900	Macroeconomics
ECON 3919	Microeconomics
HIST 3000	Introduction to Historical Studies
SOCI 3010	Social Statistics
POLS 3800	Introduction to Political Research

Area H: Allied Field (15-21)

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.

B.I.S. College-Planned Major in Japanese/Asian Studies

The program in Japanese Language/Asian Studies affords students an opportunity to take courses in areas of Japanese language, culture, and business in which there are insufficient courses offered for a major. As with the regular majors in French, German, and Spanish, students pursuing this interdisciplinary undergraduate major can choose to combine it

with the Master of International Business in the Robinson College of Business. Admission to the MIB is dependent, among other things, on acceptable scores on the GMAT. Students desiring information about this option should contact Paula Huntley in the Institute of International Business (404/651-4057) or phuntley@gsu.edu.

The faculty adviser for this program is Dr. John Austin in the Department of Modern and Classical Languages and can be reached at 404/651-2265 or jsaustin@gsu.edu.

Degree Requirements

Degree offered:

Bachelor of Interdisciplinary Studies

Concentration in Japanese/Asian Studies

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major (18)

Japanese 1001-1002 with a grade of B or better (12)

Courses serving as prerequisites or preparation for upper-level business courses, chosen from this list: Econ 2105, Econ 2106, Acct 2101, Acct 2102 (6)

Area G: Area of Concentration (27-33)

1. Required Upper-Level Japanese Language Courses

JAPN 3001	Advanced Japanese I (3)
JAPN 3002	Advanced Japanese II (3)
JAPN 3011	Advanced Japanese III (3)
JAPN 3012	Advanced Japanese IV (3)
2. Elective Courses in Japanese

JAPN 3081	Language and Culture of Japan (3)
JAPN 3082	Reading Japanese (proposed) (3)
JAPN 3691	Technical and Scientific Japanese (GA Tech) (3) [Area K]
JAPN 3692	Business Japanese (GA Tech) (3) [Area K]
JAPN 3693	Japan Today (GA Tech) (3) [Area K]
JAPN 372WR	Modern Japanese Literature (Emory) (3)
3. Related Electives in Other Fields

Hist 4700	China and Japan to 1600 (3)
Hist 4710	China and Japan since 1600 (3)
Phil 4610	Eastern Religion and

Phil 4650	Philosophy I (3)
	Eastern Religion and
	Philosophy II (3)
Geog 4404	Geography of East Asia (3)

Area H: Business Allied Field (15)

Upper-Level Business and Economic Courses:

BusA 3000	Globalization and Business Practice (3)
IB 3090	Introduction to International Business (3)
Mgt 3500	Management Concepts, Theory, and Practice (3)
MK 3010	Basic Marketing (3)
FI 3300	Corporation Finance (3)
Econ 4800	International Trade (3)
Econ 4810	International Finance (3)

Area J: Electives

Courses to complete the 120-hour graduation requirement. Students admitted to the MIB program may use graduate courses in this area.

Area K: Study Abroad

Students are strongly advised to spend a semester in a study abroad program. For students who are interested in more information, please contact either Dr. John Austin or Leigh Essex Walker, Study Abroad Coordinator for the Office of International Affairs, 404/463-9411 or leighwalker@gsu.edu.

One possibility is the Language for Business and Technology (LBAT) program of the Georgia Institute of Technology. The following courses are offered:

JAPN 3691	Technical and Scientific Japanese (3)
JAPN 3692	Business Japanese (3)
JAPN 3693	Japan Today (3)

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. Jodi Eisterhold, faculty adviser for the program, at 404/651-0395 or jeisterhold@gsu.edu for further information.

Degree Requirements**Degree offered:****Bachelor of Interdisciplinary Studies
Concentration in Language Studies****Area A: Essential Skills (9)****Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

1. Required Course (3)
ForL 1002
2. Required Courses (6)
ForL 2001 Intermediate Language I
ForL 2002 Intermediate Language II
3. Required Course (3)
AL/ForL 2101 Introduction to Language
4. Select two courses (6)
ANTH 1102 Introduction to Anthropology
ANTH 2020 Introduction to Cultural Anthropology
AL/ForL 2102 Languages of the World
AL 2103 Learning Across Cultures
PSYC 1101 Introduction to General Psychology
SPCH 1010 Voice and Articulation
SPCH 2650 Interpersonal Communication

Area G: Area of Concentration—Language Studies (27-33)

1. Required Course (3)
AL/ForL 3021 Introduction to Linguistics
2. Required Course (3)
AL/ForL 4011 Phonetics and Phonology
3. Required Course (3)
AL/ForL 4012 Morphology and Syntax
4. Select 18-24 hours
AL/ForL 3031, AL/ForL 3041, AL 3051, ENGL 3200, ENGL 3210, ENGL 3220, ENGL 3955, ForL 3022, choose ForL from 3000 level, SPCH 3000, SPCH 3450, SPCH 3750, AL/ForL 4111, AL/ForL 4121, AL/ForL 4131, AL/ForL 4141, AL/ForL 4151, AL 4161, JOUR 4560, SPAN 4401, SPCH 4400, SPCH 4410, SPCH 4490, PHIL 4400, PHIL 4440, PSYC 4100, AL 4980

Area H: Allied Field

1. Additional courses in Allied Field to complete the 120 hours needed for graduation.

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.

Law and Society

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 nonprofessional background in law. It is a viable option for pre-law students. For students interested in the program, please contact faculty adviser, Dr. William Thomas, at 404/651-4848 or wthomas@gsu.edu.

Degree Requirements**Degree offered:****Bachelor of Interdisciplinary Studies
Concentration in Law and Society****Area A: Essential Skills (9)****Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major**

1. Required Course (3)
POLS 2130 Introduction to American Law
2. Required Course (3)
SPCH 1500 Public Speaking
3. Students must complete level 1002 of a language.
4. PHIL 1010 is required if not taken in Area B.
5. Select additional courses to complete 18 hours:
AAS 2010, AC 2010, AC 2020, ANTH 2020, ECON 2105, ECON 2106, ENGL 2050, ENGL 2130, ENGL 2140, GEOG 1101, GEOG 2202, 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
2. Required Course (3)
LGLS 3020 Introduction to the Law or
LGLS 4050 Principles of Business Law
3. Select two courses (6):
PHIL 3730 Business Ethics

POLS 4130	American Constitutional law
POLS 4131	Civil Liberties and Rights
SOCI 4366	Law and Society

4. Select five additional courses (15):
AAS 4180, AAS 4640, CJ 3010, CJ 3110, CJ 3700, CJ 3710, CJ 4710, CJ 4760, CJ 4770, CJ 4910, ECON 4080, ECON 4400, ECON 4680/HIST 4210, HIST 3200, HIST 3210, HIST 3220, HIST 4200, HIST 4240, JOUR 3060, PHIL 4720, PHIL 3760, PAUS 3311, 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 4931, POLS 4940 (No more than six hours of internship may be used.)

Area H: Allied Field—Pre-Law

1. Required Course (3):
ENGL 3090 History, Theory, and Practice of Expository Writing **or**
ENGL 3080 History, Theory, and Practice of Argumentative Writing
2. Required Course (3):
LGLS 3020 Introduction to the Law **or**
LGLS 4050 Principles of Business Law
3. Select three courses (9):
ENGL 3110, ENGL 3130, ENGL 3140, ENGL 3210, ENGL 3220, PHIL 4400, PHIL 4700, SPCH 3010, SPCH 3050, SPCH 3210, SPCH 4250, SPCH 4450, SPCH 4500/JOUR 4500, HIST 3000, POLS 3800, CJ 3020, CJ 3610, AAS 4750

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.

Degree Requirements

Degree offered:

Bachelor of Interdisciplinary Studies Concentration in Law and Society

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major

1. Required Course (3)
POLS 2130 Introduction to American Law
2. Required Course (3)

SPCH 1500	Public Speaking

3. Students must complete level 1002 of a language.
4. PHIL 1010 is required if not taken in Area B.
5. Select additional courses to complete 18 hours:
AAS 2010, AC 2010, AC 2020, ANTH 2020, ECON 2105, ECON 2106, ECON 2000, ENGL 2050, ENGL 2130, ENGL 2140, GEOG 1101, GEOG 2202, 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
2. Required Course (3)
LGLS 3020 Introduction to the Law **or**
LGLS 4050 Principles of Business Law
3. Select two courses (6):
PHIL 3730 Business Ethics
POLS 4130 American Constitutional law
POLS 4131 Civil Liberties and Rights
SOCI 4366 Law and Society
4. Select five additional courses (15):
AAS 4180, AAS 4640, CJ 3010, CJ 3110, CJ 3700, CJ 3710, CJ 4710, CJ 4760, CJ 4770, CJ 4910, ECON 4080, ECON 4400, ECON 4680/HIST 4210, HIST 3200, HIST 3210, HIST 3220, HIST 4200, HIST 4240, JOUR 3060, PHIL 4720, PHIL 3760, PAUS 3311, 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 4931, POLS 4940 (No more than six hours of internship may be used.)

Area H: Allied Field—Criminology

1. Select five courses (15):
CJ 3210, CJ 3310, CJ 3410, CJ 4410, CJ 4420, POLS 4131, SOCI 3222, SOCI 3224, SOCI 3346, SOCI 4150, PSYC 4300, WST 3150/SOCI 3150

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.

Middle East Studies

Students select from a variety of comprehensive and affiliated Middle East studies courses offered in a range of disciplines, including religion, political science, history, sociology, geography, and art history, for this program. Students are required to study Arabic or another appropriate Middle East language. If interested, please contact Dr. Donald Reid, faculty adviser, at 404/651-3255 or dreid@gsu.edu.

Degree Requirements**Degree offered:****Bachelor of Interdisciplinary Studies
Concentration in Middle East Studies****Area A: Essential Skills (9)****Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

1. Language: competency in Arabic through 2002 level is required (9).
2. Core and affiliated Middle East Studies courses chosen in consultation with adviser. (9)

Area G: Area of Concentration (27-33)

1. Select two courses (6)

HIST 4780	The Middle East, 600-1800
HIST 4790	The Middle East since 1800
POLS 4620	
GEOG 4408	Geography of the Middle East
RELS 4910	Issues in Religious Studies
AH 4010	Art of Egypt, Nubia, and the Maghrib
AH 4020	Art of the Near East from Antiquity to the Islamic Conquest
2. Select one course (3)

HIST 3000	Introduction to Historical Studies
ANTH 4020	Anthropological Theory
SOCI 3010	Social Statistics
POLS 3800	Introduction to Political Research
ECON 3900	Macroeconomics
ECON 3910	Microeconomics
GEOG 2206	Introductory Mapping and GIS
3. Twelve to eighteen hours taken at the 3000 level or above in consultation with the adviser. Students select upper level courses from among the core and the affiliated 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.

Area H: Allied Field (15-21)

1. Non-Middle East Studies courses chosen in consulta-

tion with the 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.

Women's Studies

Women's Studies examines, from feminist perspectives that recognize the full humanity of everyone, what it is to be a woman or a man. These perspectives examine how ableness, age, class, ethnicity, race, and sexuality intersect with each other and with gender differently in different cultures and at different times. As an interdisciplinary source of feminist scholarship, women's studies critiques the ways women and men are perceived by traditional disciplines and presents visions of changes in response to these critiques. This program is structured to provide a sound grounding in liberal education and an intensive involvement in an area of concentration. Please contact Dr. Charlene Ball at 404/651-4633 or mcharleneball@gsu.edu for more information.

Degree Requirements**Degree offered:****Bachelor of Interdisciplinary Studies
Concentration in Women's Studies****Area A: Essential Skills (9)****Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

1. AB students must complete level 1002 or higher of a language.
2. Select additional courses to complete 18 hours:

AAS 2010	Introduction to African-American Studies
ANTH 2020	Introduction to Cultural Anthropology
POLS 2401	Global Affairs
PSYC 2040	Introduction to Applied Psychology
PSYC 2070	Introduction to Human Sexuality
SOCI 1101	Introductory Sociology
SOCI 1160	Introduction to Social Problems
SPCH 2050	Media, Culture, and Society

Area G: Area of Concentration—Women's Studies

1. Required Courses (6)

	WST 2010	Introduction to Women's Studies
	WST 3010	Feminisms
2.	Required Course (3)	
	WST 4920	Senior Research or
	WST 4950	Internship
3.	Select 21 hours from 3000/4000 level Women's Studies courses.	

Area H: Allied Field (18)

1. An additional 18 hours are required for the allied field. These courses must be planned with an institute 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.

College-Planned Program Restrictions in the Area of Concentration and Allied Field

1. Not more than 12 semester hours of the requirements in an area of concentration may be taken from the offerings of any one department in the university, except where a college-planned program requires that more hours be taken from one area.
2. Not more than 6 semester hours of the requirements in an allied field may be taken from the offerings of any one department in the university, except where a college-planned program requires that more hours be taken from one area.
3. A grade of C or higher is required in all courses in the area of concentration and allied field.

3130.30 The Interdisciplinary Minor

An interdisciplinary minor is available to provide educational opportunities not otherwise available and to allow students the flexibility to select courses for the minor from several departments and schools and even from several colleges at the university. Students must propose their interdisciplinary minor of 15-18 hours for approval by the faculty Bachelor of Interdisciplinary Studies Advisory Council of the College of Arts and Sciences. 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 under the existing disciplinary degrees.

The restrictions for the interdisciplinary minor are as follows:

1. The student must have a Georgia State University cumulative grade point average or a projected grade point average of 2.0;

2. All courses included must be at the 3000-level or above;
3. No more than six semester 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 Faculty 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, Latin American studies, and linguistics are also available.

3130.40 Bachelor of Music

Requirements in addition to those in Area C of the core curriculum requirements are listed under "Bachelor of Music Degree Requirements" in the "School of Music" section of this chapter.

3130.50 Bachelor of Fine Arts

Requirements for this degree are listed under "Bachelor of Fine Arts" in the "School of Art and Design" section of this chapter.

3130.60 Premedical Emphasis

The College of Arts and Sciences offers premedical preparatory course work within the major programs of the Departments of Biology, Chemistry, Physics and Astronomy, and Psychology. Premedical advisement is available from the Premedical Professions Advisory Committee, composed of faculty members from the Departments of Biology, Chemistry, Physics and Astronomy, and Psychology. 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.

3130.70 Teacher Preparation Programs

The social science departments of the College of Arts and Sciences and the Department of Economics of the Andrew Young School of Policy Studies offer pre-education tracks for their majors 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 degree requirements sections of the Departments of African-American Studies, Anthropology and Geography, Economics, History, Political Science, Psychology, and Sociology for detailed information.

Please refer to the "Teacher Preparation" chapter of this catalog for detailed information on other programs.

3140 Honors Program

Suite 428, University Center, 404/651-2924

www.gsu.edu/honors/

C. Grant Luckhardt, Director

April Lawhorn, Academic Specialist

3140.10 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 each fall and spring semester. In addition, students in the Honors Program can enroll in special interdisciplinary courses, help design a colloquium on topics of their choice and, at the upper division, research and write an honors thesis. Through Honors work, students can pursue special recognitions and unusual opportunities to enrich the quality of their education and enhance their chances of future success.

3140.20 Admission

The Honors Program staff welcomes the opportunity to discuss the program with any interested student. Normally, entering freshmen should have a 3.30 high school grade point average and a combined SAT score of 1180 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 3.30 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 3.30, 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.

3140.30 Open Registration

Any student in the university with a 3.00 or higher GPA may take one Honors course without being admitted to the program. The honors forum and colloquium are open to all students in the university regardless of GPA. Authorization for all honors courses must be obtained prior to registration from the Honors Program Office.

3140.40 Scholastic Standards

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.

3140.50 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.

3140.60 Honors Recognition

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 3.30 grade point averages overall and in Honors course work counting toward recognitions in the graduation semester, with grades of D and F disallowed. All three Honors recognitions require two Honors colloquia (Hon 2260/3260, 1-3 semester hours) or forums (Hon 3570, 1-3 semester hours).

3140.70 Requirements

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 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.

3150 Department of African-American Studies

962 One Park Place South, 404/651-2157

www.gsu.edu/afam

Charles E. Jones, Chair

Core Faculty: Akinyela, Dixon, Jones, Livingston, Presley, Umoja

Associate Faculty: Ali, L. Anderson, Calhoun-Brown, Denard, B. Hall, Haydon, Hilliard, Holmes, Manning, Marsh-Lockett, Phillips, Rouse, D. Stewart, F. Taylor, Vernick, R. Watts, E. West, Zeigler

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.

3150.10 Degree Requirements

Degree offered:

Bachelor of Arts

Major in African-American Studies

Pre-education concentration

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Alternatives are available to some core and major requirements. Please see a degree program adviser for specific guidelines.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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	Arts 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 courses from the following (3):
Anth 2020, Econ 2105, Econ 2106, Geog 1101, Hist 1111, Hist 1112, Phil 2010, PolS 2401, Psys 1101, Psys 2040, Psys 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 (18)

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	Senior Seminar and Practicum (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	History of 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
AAS 4230	Religions of the African World (3)
AAS 4250	African-American Religion (3)
AAS 4300	African Art (3)
AAS 4310	Art of Egypt, Nubia and Maghrib (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 (3)
AAS 4650	African-American Theatre (3)
AAS 4660	African-American Women (3)
AAS 4750	African-American Ethical and Legal Issues (3)
AAS 4760	Eastern Africa and the Horn of Africa (3)
AAS 4765	Central and Southern Africa (3)
AAS 4770	Western Africa (3)
AAS 4772	Women in Africa (3)
AAS 4774	African Rebellions (3)
AAS 4776	Africa and Hollywood: Myth, Romance, and Savage Imagery (3)
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 and 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 (3)

3150.20 Pre-Education Track in African-American studies with a Concentration in History

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 4980	Senior Seminar and Practicum (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 4772	Women in Africa (3)
AAS 4774/Hist 4774	African Rebellions (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 s electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses.

Minor Offerings

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.

- 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)
- Select two African-American Studies courses at the 3000-level or above (6).

3160 Department of Anthropology and Geography

335 Sparks Hall, 404/651-3232

monarch.gsu.edu/

Kathryn A. Kozaitis, Chair

Faculty: Crampton, Diem, Fennell, Guano, Hartshorn,

Hendrix, Hoover, Kantner, Knapp, Kozaitis, McCombie, Murphy, Stewart, Sutherland, Walcott, E. Williams, F. Williams, Yin

3160.05 Anthropology Program

John Kantner, Coordinator 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 and Geography 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 may work for public and private agencies. Within these areas they may be concerned with historic or cultural resource preservation or cross-cultural and minority group relations in such areas as medicine, community development, education, tourism, and business, as well as other specialties.

3160.10 Degree Requirements

Degree offered:

Bachelor of Arts

Major in Anthropology

Majors should complete the following:

- Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
- Area F: Courses Appropriate to the Major, listed below;
- Area G: Major Courses, listed below; and
- Area H: Minor and Additional Courses, listed below if needed.

Alternatives are available to some core and major requirements. Please see a degree program adviser for specific guidelines.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

- Required Courses (12)

Anth 2010	Introduction to Biological Anthropology (3)
Anth 200	Introduction to Cultural Anthropology (3)
Anth 2030	Introduction to Archaeology (3)
Lang 2001	Intermediate Foreign Language (3)
- Choose two from the following (6)

Math 1070	Elementary Statistics (3)
Phil 2010	Great Questions in Philosophy (3)

[But only one of these]:

AL 2101	Intro to Language (3) or
AL 2102	Languages of the World (3)

Area G: Major Courses (24)

A grade of C or higher is required in all major courses.

- Core Requirements (7)

Anth 4020	Anthropological Theory (4)
Anth 4970	Senior Seminar in Anthropology (3)
- Methods Course. Select one (at least 3)

Anth 4360	Methods and Theories in Biological Anthropology (3)
Anth 4480	Ethnographic Analysis (3)
Anth 4590	Archaeological Laboratory Methods (4)
Anth 4620	Quantitative Methods in Anthropology (3)
Anth 4630	Qualitative Methods in Anthropology (4)
- Electives: Additional courses at the 3000 or 4000 level (at least 14)

Pre-Education Track in Anthropology

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 or
Anth 2020	Introduction to Cultural Anthropology
Anth 2010	Biological Anthropology
Anth 2030	Introduction to Archaeology

Select any three 3000-4000 level courses in anthropology.

Area H: Minor and Additional Courses

- Students majoring in anthropology are not required to take a minor.
- 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.

Minor Offerings

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.

- Select one course. (3)

Anth 2010	Introduction to Biological Anthropology (3)
Anth 2020	Introduction to Cultural Anthropology (3)
Anth 2030	Introduction to Archaeology (3)
- 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.

Residency Requirement

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 of 3.0 or better.

Honors Program

The Department of Anthropology and Geography encourages students to participate in the Honors Program. (See the "Honors Program" section of this chapter.)

3160.15 Geography Program

Jeremy Crampton, Coordinator of Undergraduate Studies

Geography has a long tradition of integrating the physical, human, and behavioral sciences, thereby providing the liberal arts student with many useful perspectives for intellectual development. Geographers receive training in both the physical and human elements of the field.

Human geographers examine settlement patterns, the connections between people and places, and the cultural and economic interdependence of the world system. Human geographers also relate their work to the physical environment and the interaction between human and physical systems. Topics of study include ethnicity, urban dynamics, economic patterns, migration, and the spatial difference between work and residential locations.

Physical geographers emphasize the study of weather and climate, landforms, water resources, the impact of the physical environment on human behavior, and how human behavior affects the natural world.

Geography also includes the study of cartography, the science and art of mapping. Cartographers design and use maps for spatial analysis, graphic communication, and the management of geographic information databases. Given the spatial orientation of their studies, geographers possess a special understanding of today's complex social, economic, and environmental problems. Increasingly, geographic specialists are involved in solving a broad range of economic, social, and environmental problems of global, regional, and local scale.

The geography curriculum is designed to provide students with broad experiences so that they may understand such problems as environmental deterioration, third-world poverty, overpopulation, rapid urbanization, cultural variation, and shifts in world economic and political patterns. Recognition of the broad applicability of geographically based problem solving has allowed geographers to find employment in many areas. Employment opportunities exist in government agencies at local, regional, state, and national levels. Private consulting and research organizations and planning agencies provide many opportunities for geographers to apply their skills in positions that include urban and regional planners, technical analysts, marketing specialists, environmental program managers, cartographers, geographic information systems specialists, location analysts, transportation planners, and historic preservation officers.

The computer and telecommunication fields provide additional opportunities for geographers to work as database

managers, graphics specialists, production managers, and geographic information systems (GIS) specialists. With the diversity of their liberal arts training, geographers also qualify for professional management positions as well as more traditional work as teachers or professors in educational institutions.

The department has excellent facilities for geographic research. These include a cartography and GIS instructional laboratory, a GIS research laboratory, a fully equipped and staffed cartography production laboratory, and a dendroecology laboratory. These laboratories provide state-of-the-art training and research facilities for students, employing the latest mapping and GIS software as well as full Internet access. Additionally, mapping and GIS services provided by the department offer employment opportunities for students.

Students interested in any geography course, or in majoring or minoring in the department, are invited to contact the departmental undergraduate adviser or chair to discuss how the department may best help make their college experience positive and productive.

3160.20 Degree Requirements

Degree offered:

Bachelor of Arts

Major in Geography

Concentration in Urban Studies

Concentration in Physical Geography/ Environmental Studies

Concentration in Geographic Information Science

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Students majoring in geography are expected to complete 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 A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

1. Required Courses (3-20)

Geog 2206	Introductory Mapping and Geographic Information Science (3)
Math 1070	Elementary Statistics (3) (if not taken in Area D)
Lang 1002	Elementary Foreign Language II (3) (if not taken in Area C)
Geog 1112/1113	(8) (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, Lang 1001 (if student has no previous experience with language), Econ 2105, Econ 2106, Geol 1121, Geol 1122, Geol 2001, Hist (any course not taken in Area E), Phil 1010, PolS 1101, PolS 2401, Psyc 1101, Soci 1101, Soci 1160, WSt 2010.

Area G: Major Courses (36-40)

A grade of C or higher is required in all major courses.

1. Major Requirements (12)

Geog 4518	Digital Cartography (4)
Geog 4520	Quantitative Spatial Analysis (4)
Geog 4830	Senior Seminar (4)
2. Select one course. (3-4)

Geog 4400	Geography of United States and Canada (3)
Geog 4402	Geography of Africa (3)
Geog 4404	Geography of East Asia (4)
Geog 4406	Advanced Regional Geography (4)
Geog 4408	Geography in the Middle East (3)
Geog 4768	Metropolitan Atlanta (3)
3. Select one course. (3-4)

Geog 3202	Human Geography (3)
Geog 4762	Economic Geography (4)
Geog 4764	Urban Geography (4)
Geog 4766	Urban Transportation Planning (4)
Geog 4770	Third World Urbanization (3)
Geog 4772	Geography of Urban and Regional Development (3)
Geog 4776	Location Analysis (3)
Geog 4778	Political Geography (3)
4. Select one course. (4)

Geog 4640	Geomorphology (4)
Geog 4642	Advanced Weather and Climate (4)
Geog 4644	Environmental Conservation (4)
Geog 4648	Biogeography (4)
Geog 4650	Applied Hydrology (4)
5. Select additional 3-4 credit geography courses at the 3000-level or above. (12-16)

Area H: Minor and Additional Courses

1. Students majoring in geography are not required to take a minor.
2. Students majoring in geography must take additional courses as electives to complete a minimum of 120 hours, exclusive of 1000/2000 physical education or military science courses.

Minor Offerings

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.)

1. Select one course. (3-4)

Geog 1101	Introduction to Human Geography (3)
Geog 1112	Introduction to Weather and Climate (4)
Geog 1113	Introduction to Landforms (4)
2. Area of Concentration (12-16). Students may select one of these concentrations or select at least 12 hours of courses at the 3000 level or above:

Geographic Information Science Concentration

Select four courses. (15-16)

Geog 4518	Digital Cartography (4)
Geog 4526	Automated Cartographic Production (3)
Geog 4530	Introduction to Remote Sensing (4)
Geog 4532	Geographic Information Systems (4)
Geog 4534	Advanced Geographic Information Systems (4)
Geog 4536	Internet GIS and Visualization (4)

Regional Concentration

Geog 4400	Geography of the United States and Canada (3)
Geog 4402	Geography of Africa (3)
Geog 4404	Geography of East Asia (4)
Geog 4408	Geography of the Middle East (3)
Geog 4768	Metropolitan Atlanta (3)
Geog 4770	Third World Urbanization (3)
Geog 4778	Political Geography (3)

Human Concentration

Geog 4760	Cultural Geography (3)
Geog 4762	Economic Geography (4)
Geog 4764	Urban Geography (4)
Geog 4766	Urban Transportation Planning (4)
Geog 4772	Geography of Urban and Regional Development (3)
Geog 4776	Location Analysis (3)
Geog 4778	Political Geography (3)

Physical Geography and Natural Resources Concentration

Geog 4640	Geomorphology (4)
Geog 4642	Advanced Weather and Climate (4)
Geog 4644	Environmental Conservation (4)
Geog 4646	Water Resources Management (4)
Geog 4648	Biogeography (4)
Geog 4650	Applied Hydrology (4)

Students taking more than 15 hours in courses in geography may count the additional hours toward their electives or may consider completing a double major.

Residency Requirement

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 of "C" or better.

Pre-Education Track in Geography

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 allied-field courses:

Possible prerequisites (depending on the 3000-4000 level courses selected by the student) (Geog 1112/1113 may be completed in Core Curriculum.):

Geog 1112	Introduction to Weather and Climate (4)
Geog 1113	Introduction to Landforms (4)
Geog 2206	Introductory Mapping and Geographic Information Science (3)

Select one course from each of the following groups:

A. Regional Geography

Geog 4400	Geography of the United States and Canada (3)
Geog 4402	Geography of Africa (3)
Geog 4404	Geography of East Asia (4)
Geog 4406	Advanced Regional Geography (4)
Geog 4408	Geography of the Middle East (3)
Geog 4768	Metropolitan Atlanta (3)

B. Human Geography

Geog 3202	Human Geography (3)
Geog 4760	Cultural Geography (3)
Geog 4762	Economic Geography (4)
Geog 4764	Urban Geography (4)
Geog 4770	Third World Urbanization (3)
Geog 4772	Geography of Urban and Regional Development (3)
Geog 4778	Political Geography (3)
Geog 4790	Themes in Geographic Education (3)

C. Physical Geography/Natural Resources/Cartography/GIS

Geog 4522	Digital Cartography (4)
Geog 4530	Introduction to Remote Sensing (4)
Geog 4532	Introduction to Geographic Information Systems (4)
Geog 4536	Internet GIS and Visualization (4)
Geog 4640	Geomorphology (4)
Geog 4642	Advanced Weather and Climate (4)
Geog 4644	Environmental Conservation (4)
Geog 4646	Water Resources Management (4)
Geog 4648	Biogeography (4)

Honors Program

The department encourages qualified students to participate in the Honors Program. (See the "Honors Program" section of this chapter.)

3170 Department of Applied Linguistics and English as a Second Language

34 Peachtree, 12th Floor, 404/651-3650

<http://www.gsu.edu/alesl>

Gayle Nelson, Chair

Faculty: Bunting, Byrd, Carson, Cavusgil, Delk, Dunkel, Eisterhold, Firestone, Hayden, Jiang, Lindemann, Murphy, Naim, Nelson, Snell, Weigle, Yance

The Department of Applied Linguistics and English as a Second Language offers (1) undergraduate courses leading to the Bachelor's of Interdisciplinary Studies (B.I.S.) degree in Language Studies, (2) a certificate in Teaching English as a Foreign Language (TEFL), (3) ESL credit-bearing courses for nonnative speakers of English, and (4) Intensive English Program (IEP) courses for nonnative speakers of English.

The BIS in Language Studies provides the opportunity for students to explore the field of linguistics from an interdisciplinary perspective and is described in full in Section 3130.20 of this catalog. Dr. Jodi Eisterhold is Director of

Undergraduate Studies for the department and can be contacted at 404/651-0395 or jeisterhold@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. The TEFL certificate can be earned by students majoring in Language Studies in the BIS program or in any other undergraduate program. 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.

The ESL credit-bearing courses for non-native speakers of English include academic writing and listening/speaking courses for graduate students and special sections of English 1101 (1101i), GSTEP Regents' reading test preparation (RGTR 0199i), and GSTEP Regents' writing test preparation (RGTE 0199i). Authorization is needed for graduate-level courses only and can be obtained through the Department of Applied Linguistics and ESL.

The IEP is a noncredit 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 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 www.gsu.edu/esl.

Admission to the Intensive English Program does not constitute regular admission to a degree-granting program of Georgia State University 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.

3180 School of Art and Design

117 Art and Humanities Building, 404/651-2257

www.gsu.edu/~wwwart

Ralph Gilbert, Director

Joseph Peragine, Director of Undergraduate Studies

Tim Lodzinski, Undergraduate Adviser

Faculty: Anderson, Bazzano-Nelson, Beasley, Eubanks, Floyd, Gilbert, Gindhart, Goldsleger, Gunhouse, Hanna, Hartwig, Jefferson, King, Longobardi, McCance, McGinnis, Milbrandt, Murrell, Peragine, Pollack, Sugarman, Thalken, Throop

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.

3180.05 Transfer Students

Evaluation of transfer credits should be completed during the first semester of attendance at the university. Transfer students who wish to pursue a B.F.A. degree must meet the application to concentration requirements described in this section.

3180.10 Degree Requirements

Degrees offered:

Bachelor of Arts

Major in Art

Concentration in Studio Art

Concentration in Art History

Bachelor of Fine Arts

Major in Art Education

Major in Studio Art

Concentrations:

Drawing, Painting, and Printmaking

Graphic Design

Interior Design

Photography

Textiles

Ceramics

Jewelry Design and Metalsmithing

Sculpture

Art students should seek regular advisement from faculty 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 school for review and approval.

Portfolios and applications to a concentration are reviewed fall and spring semesters on Review Day, scheduled prior to Phase I registration. Students should check with the Office of Student Services in the School of Art and Design for information about Review Day. A grade of C or better is required in all art courses.

B.A. in Studio Art (120)

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter (recommendations below);
2. Area F: Courses Appropriate to the major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Students may select one art history survey in Area C.

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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	History of Western Art I: Prehistoric through Medieval Art (3)
AH 1750	History of Western Art II: Renaissance through Contemporary Art (3)
AH 1850	Arts of Africa, Oceania, and the Americas (3)

Area G: Major Courses (36)

A grade of C or higher is required in all major courses.

1. Major Requirements (30)
 - a. Choose six 3000-level courses from among six different studio art disciplines (18)
 - b. Studio Concentration (3000/4000-level, select from disciplines previously studied) (6)
 - c. AH 1000-level course not taken in Areas C or F (if all are taken, select one 4000-level AH course) (3)
 - d. AH 4700. Contemporary Art: Theory and Criticism (3)
2. Art History Elective (4000-level) (3)
3. Studio Elective (3)
4. Lang (to the 1002 level) (3-6) See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.
5. Select additional nonart courses to complete a minimum of 120 hours. (See "Area H" following degree requirement listings in this section.)

B.A. in Art History (120)

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter (recommendations below);
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Cross-cultural art history courses may be offered in this area as sections of Pers 2001 (Perspectives in Comparative Culture). (2)

Area C: Humanities/Fine Arts (6)

Students may select one Art History Survey in Area C.

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

1. Art Requirements (9)

AH 1700	History of Western Art I: Prehistoric through Medieval Art (3)
AH 1750	History of Western Art II: Renaissance through Contemporary Art (3)
AH 1850	Arts 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 (Fren or Grmn 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 nonart course at the 1000/2000-level to complete the 18-hour requirement in this area. (0-3)

Area G: Major Courses (42)

A grade of C or higher is required in all major courses.

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 Art, 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):

AH 4651	American Art Survey II (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)
- 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):
- AH 4010 Art of Ancient Egypt and Nubia (3)
- e. Art of the Americas**
- AH 4630 Pre-Columbian Art (3)
- AH 4650 American Art Survey I (3)
- AH 4651 American Art Survey II (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 4670 Contemporary Art in Latin America (3)
- (Also counting for this area):
- 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 4900 Special Studies Seminar (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.
- AH 4930 Art History Internship (3)
- AH 4980 Special Problems (3)
2. Select the remaining five art history courses from all the courses listed in Area G 1. (15)
 3. Four additional art courses: one must be Art Studio if not already taken. Art studio may include Art 1010, 1020, 1030 or 1040. (12)
 4. Select additional nonart courses to complete a minimum of 120 hours. (See "Area H" following the degree requirement listings in this section.) 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.

Bachelor of Fine Arts

Students may pursue this program either by being accepted into a major in studio art or 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. Acceptance to a major is determined by application and portfolio review following completion of the art core sequence.

Students should consult with a faculty adviser for details. The degree requirements for each major and concentration are listed below.

B.F.A. in Art Education (126)

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter (recommendations below);
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Cross-cultural art history courses may be offered in this area as sections of Pers 2001 (Perspectives in Comparative Culture). (2)

Area C: Humanities and Fine Arts (6)

Students may select one art history survey in Area C.

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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	History of Western Art I: Prehistoric through Medieval Art (3)
AH 1750	History of Western Art II: Renaissance through Contemporary Art (3)
AH 1850	Arts 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). Application to the major must occur prior to completing 15 additional semester hours in art. Applications to the major are reviewed fall and spring semesters on Review Day prior to Phase I registration. To apply, 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 and Regents' exam. Students should contact an art education faculty member for information about criteria and application

procedures.

Area G: Major Courses (62-66)

(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 (32)

EPSF 2010	Introduction to Educational Issues (3)
EPY 2050	Learning, Human Development, Health, and Safety (3)
EXC 2010	Exceptional Children and Instruction (3)
DP 3020	Life Drawing (3)
AH Elective	1000-level course not taken in Areas C or F (if all are taken, select one 4000-level AH course) (3)
AH Elective	(4000-level) (or art elective if 4 AH courses have been completed) (3)
Prt 3000	Introduction to Printmaking (4)
Scul 3000	Sculpture I (3)
DP 3200	Painting with Water-Based Media (4) or
DP 3300	Painting with Oil-Based Media (4)
Cer 3000	Hand Building (3)
Phot 3000	Photography I (3)
2. Select one additional course to satisfy the 21-hour requirement of studio. (3-4)
3. Art Education (24)

AE 4200	Art for Preschool through Fifth Grade (3)
AE 4300	Art for Middle and Secondary Schools (3)
AE 4400	Media, Technology, and Visual Presentation (3)
AE 4900	Art Theory and Criticism in Art Education (3)

 AE 4750, AE 4760, AE 4770, and AE 4780 (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, Special Problems (1-6), may be used in order to meet the specified requirements. Consent of departmental adviser and instructor required.

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. Formal application should be made using a form available in the College of Arts and Sciences Office of

Academic Assistance (724 General Classroom Bldg.). The form should be returned to the same office for processing. Students should apply for entry into teacher education upon completion of 60 hours of course work, which should include courses required in Areas A through D and EPSF 2010. Students are also required to have a 2.5 overall cumulative GPA and to have passed the Praxis I and Regents' exams. Admission to teacher education is a prerequisite for courses that are designated by a "(TE)" after the course number in the course descriptions.

Prestudent-teaching Review

Prior to being approved for student teaching, all art education students must pass a portfolio-based prestudent-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 prestudent-teaching review, students should contact their art education adviser.

Poststudent-teaching Review

As part of the student teaching requirement, all students must make an oral presentation and present a portfolio of teaching materials and student work developed during student teaching for review by the art education faculty.

Certification Tests

For Georgia teacher certification, all candidates must take and pass the Praxis I and Praxis II tests. Praxis I, required for entry into the major and teacher education, is a test of basic academic skills in reading, writing, and mathematics. Praxis II, required prior to 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)

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter (recommendations below);
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Cross-cultural art history courses may be offered in this area as sections of Pers 2001 (Perspectives in Comparative Culture). (2)

Area C: Humanities and Fine Arts (6)

Students may select one art history survey in Area C.

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)**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	History of Western Art I: Prehistoric through Medieval Art (3)
AH 1750	History of Western Art II: Renaissance through Contemporary Art (3)
AH 1850	Arts of Africa, Oceania, and the Americas (3)

Area G: Major Courses (60)

(A grade of C or higher is required in all major courses.)
B.F.A. degree requirements for each of the major areas of concentration in studio art are listed below.

Applications to a Major Concentration

Upon completion of the 18 semester hours required in Area F and prior to completion of 15 additional semester hours, each student seeking a B.F.A. degree from the School of Art & Design must submit an application and pass a portfolio review for acceptance into a major concentration. Applications to concentrate in a discipline are available from the Office of Student Services in the School of Art & Design and are reviewed fall and spring semesters on 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 an adviser to explore other options.

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 Office of Student Services of the School of Art & Design 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.

Area H: Additional Courses

In each concentration, studio art majors must take additional courses to complete a minimum of 120 semester hours. (See "Area H" following the degree requirement listings in this section.)

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 (11-12)

DP 3020	Life Drawing (3)
Prt 3000	Introduction to Printmaking (4)
DP 3100	Drawing and Composition (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 4700	Contemporary Art: Theory and Criticism (3)
AH 4610	20th Century Modernism and Postmodernism (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 (33-38)

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 (3-6)
Prt 4500	Directed Study in Printmaking (4-8)
Prt 4940	Portfolio I (3)
Prt 4950	Portfolio II (3)
Studio Elective: One 3000/4000-level studio art and design course, selected with an adviser (3)	
Select one course from below (3)	
Prt 3450	Applied Papermaking (3)
Prt 3550	Book Arts (3)
Prt 3350	Monoprinting (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 from the Office of Student Services of the School of Art and Design. Prospective majors should also attend the graphic design program orientation offered once each semester on Review Day. 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 (9)

GrD 3000	Introduction to Graphic Design (4)
GrD 3200	Intermediate Graphic Design (4)
GrD 4910	History of Graphic Design (4)
2. BFA Entrance Review
3. Upper-level Requirements (43)

GrD 4020	Typography (4)
GrD 4100	Print and Editorial Design (4)
GrD 4200	Corporate Design (4)
GrD 4250	Graphic Design in Popular Culture (4)
GrD 4300	Internship for Graphic Design (4)
GrD 4310	Multimedia Design (4)
GrD 4350	Graphic Design through Advertising (4)
GrD 4400	Graphic Design for Film and Television (4)
GrD 4550	Specialized Applications of Graphic Design (4)
GrD 4600	Senior Workshop (Advanced Multimedia Design) (4)
GrD 4950	Graphic Design Portfolio (3)

4. Select one elective from:

GrD 3300	Illustration Design
Phot 3000	Photography I
Phot 3100	Photography II
Prt 3250	Silkscreening
Prt 3550	Book Arts
CSc 4840	Computer Graphic Imaging
CSc 4841	Computer Animation
 5. Select one AH 4000-level Art History (4)
- * *Senior Portfolio Review and Senior Exhibition*

Interior Design Concentration

The following courses are required in Area G for students who are accepted into the Interior Design concentration. Students should consult with an adviser for the sequence of courses to be taken. 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 design.

1. Portfolio Review
2. Concentration Requirements (42-45)

ID 3000	Interior Design: Drafting (3)
ID 3100	Interior Design: Presentation (3)
ID 3200	Interior Design: Working Drawings (3)
ID 3300	Interior Design I: Theory (3)
ID 3400	Interior Design II: Style and Decoration (3)
ID 3500	Interior Design III: Spatial Organization (3)
ID 4200	Interior Design IV: Residential (3)
ID 4300	Interior Design V: Nonresidential (3)
ID 4500	Interior Design VI: Directed Studies (3-6)
ID 4600	Historic Interiors: Eighteenth and Nineteenth Centuries (3)
ID 4700	Historic Interiors: Twentieth Century (3)
ID 4930	Interior Design Internship (3)
ID 4940	Interior Design Portfolio I (3)
ID 4950	Interior Design Portfolio II (3)
3. Select two studio courses at the 3000-level or above (consult department adviser) (6-8).
4. Art Electives: Select from list (6-10).

Art History	(4000-level) (3)
ID 4000	Interior Design: Selected Topics (3)
ID 4250	Computer-aided Drafting and Design (3)
ID 4350	Three-dimensional Computer-Aided Drafting and Design (3)
ID 4930	Interior Design Internship (3-6)
Text 4910	History of Textiles (4)

5. Art 4900 Critical Issues in Contemporary Art (3)

Text 4500

Directed Study in Textile Design (4)

Text 4930

Internship in Textile Design (3)

Text 4980

Special Problems (4)

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 I (4)
Phot 4500	Directed Study (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:

Prt 3100	Book Arts (3)
Phot 4410	Creative Process and Practice (4)
Phot 4430	Digital II (3)
Phot 4930	Internship in Photography (4)
Phot 4980	Special Problems (4)

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 (4)
Text 4600	Digital Textile Design (4)
Text 4500	Directed Study in Textile Design (4-8)
Text 4910	History of 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 4000	Selected Topics in Textiles (3)

3. Select one 3000/4000-level studio (3-4)

Scul 3000

Sculpture I (3)

Prt 3150

Intaglio/Etching & Lithography (4)

Prt 3250

Screen Printing and Experimental Printmaking (4)

GrD 3150

Introduction to Typography (3)

Text 3300

Three-dimensional Fiber Structure (3)

Text 4000

Selected Topics in Textiles (3)

ID 3400

Interior Design II: Style/Decoration (3)

4. Select two art histories. (6-7)

AH 4900

Critical Issues in Contemporary Art (4)

Any AH 4000-level course (3)

ID 4600

Historic Interiors: 18th/19th Centuries (3)

ID 4700

Historic Interiors: 20th Century (3)

Ceramics Concentration—Three Dimensional Studies

The following courses are required in Area G for students who are accepted into the Ceramics 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 (9)

CER 3000

Hand Building (3)

SCUL 3000

Sculpture I (3)

JEWL 3000

Jewelry Design and Metalsmithing I (3)

2. Ceramics Emphasis Requirements (33):

CER 3100

Wheel Throwing I (3)

CER 4100

Wheel Throwing II (3)

CER 4200

Forms and Surface Instruction (4)

CER 4300

Ceramics Materials (4)

CER 4500

Directed Studies in Ceramics (4)*

CER 4600

Ceramics Sculpture (4)

CER 4940

Portfolio I / Consult with Faculty Adviser (3)

CER 4950

Portfolio II / Consult with Faculty Adviser (3)

* Repeat CER 4500 for a total of 8 hours

3. Ceramics Elective: Select one. (4)

CER 4500

Directed Study (4)

CER 4980

Selected Topics in Ceramics (4)

CER 4930

Internship in Ceramics (4)

4. Two Dimensional Studio Elective: Select one. (3-4)

3000/4000

Drawing and Painting and Printmaking

3000/4000 Photography

Interior Design 3000 level only

Textiles 3100, 3200, 4100, 4200 only

5. Three-Dimensional Studio Elective. Select two 3000/4000 level courses outside the emphasis form. (6-8)

JEWL 3000/4000	level studio elective in Metalsmithing
SCUL 3000/4000	level studio elective in Sculpture
TEXT 3300	Three-Dimensional Fiber Structure
GRD 4840	Computer Graphic Imaging in Graphic Design
6. Ceramics History. Select one. (4)

CER 4910	History of Ceramics (4)
CER 4920	Contemporary Ceramic History (4)
7. Select one 4000 level Art History (3-4)

Jewelry Design and Metalsmithing Concentration—Three Dimensional Studies

The following courses are required in Area G for students who are accepted into the Jewelry Design and Metalsmithing 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 (9)

CER 3000	Hand Building (3)
SCUL 3000	Sculpture I (3)
JEWL 3000	Jewelry Design and Metalsmithing (3)
2. Two-Dimensional Studio Elective: Select **TWO** 3000/4000 level courses from the following disciplines (6-8):

DP (Drawing and Painting)
PRT (Printmaking)
PHOT (Photography)
ID 3000 level only (Interior Design)
TEXT 3100, 3200, 4100, 4200 only (Textiles)
3. Three-Dimensional Elective: Select **TWO** 3000/4000 level courses outside the emphasis from the following (6-8):

CER (Ceramics)
JEWL (Jewelry Design and Metalsmithing)
SCUL (Sculpture)
TEXT 3300 only (Textiles)
GRD 4840 only (Graphic Design)
4. Art History Electives: Select any TWO 4000 level courses (6-8)
5. Emphasis Requirements (27-33):

JEWL 3100	Jewelry Design and Metalsmithing II (3)
JEWL 4000	Selected Topics in Jewelry Design (1 or 2 courses)
JEWL 4500	Directed Study in Jewelry Design (5 or 6 courses)
JEWL 4940	Portfolio I / Consult with Faculty Adviser (3)
JEWL 4950	Portfolio II / Consult with

Faculty Adviser (3)

Sculpture Concentration—Three Dimensional Studies

The following courses are required in Area G for students who are accepted into the Sculpture 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 (9)

CER 3000	Hand Building (3)
SCUL 3000	Sculpture I (3)
JEWL 3000	Jewelry Design and Metalsmithing (3)
2. Two-Dimensional Studio Elective: Select **TWO** 3000/4000 level courses from the following disciplines (6-8):

DP (Drawing and Painting)
PRT (Printmaking)
PHOT (Photography)
ID 3000 level only (Interior Design)
TEXT 3100, 3200, 4100, 4200 only (Textiles)
3. Three-Dimensional Elective: Select **TWO** 3000/4000 level courses outside the emphasis from the following (6-8):

CER (Ceramics)
JEWL (Jewelry Design and Metalsmithing)
SCUL (Sculpture)
TEXT 3300 only (Textiles)
GRD 4840 only (Graphic Design)
4. Art History Electives: Select any TWO 4000 level courses (6-8)
5. Emphasis Requirements (27-33):

SCUL 3100	Sculpture II (3)
SCUL 3200	Figure Studies in Sculpture (3)
SCUL 4500	Directed Study in Sculpture (5 courses)
SCUL 4940	Portfolio I / Consult with Faculty Adviser (3)
SCUL 4950	Portfolio II / Consult with Faculty Adviser (3)

Area H: Minor and Additional Courses

1. Students seeking a B.A. degree in the School of Art and Design are not required to take a minor, although they may complete one if they so choose. Completing a minor is not an option for students seeking a B.F.A. degree due to the focused nature of the B.F.A. degree.
2. Students completing a B.A. or B.F.A. degree in the School of Art and Design must take additional courses as electives to complete a minimum of 120 semester hours (126 semester hours for the B.F.A. degree in Art Education), exclusive of 1000- or 2000-level physical education or military science courses.

Minor Offerings

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. Specific descriptions of each minor option are available from the Student Services Office of the School of Art and Design. (A grade of C or higher is required in all courses counting toward the minor.)

Residency Requirement

Students completing a B.A. or B.F.A. degree in the School of Art and Design must complete a minimum of 39 semester hours in courses at the 3000- level or above with an average grade of C or higher while in residence at Georgia State University. Students completing a B.A. degree in the School of Art and Design must take at least half or nine of their art courses at Georgia State University.

Honors Program

The School of Art and Design encourages qualified students to participate in the Honors Program. (See “Honors Program,” previously described.)

3190 Department of Biology

402 Kell Hall, 404/651-2259

biology.gsu.edu

P. C. Tai, Chair

Teryl Frey, Associate Chair

Barbara Baumstark, Director of Instructional Programs

Donald Reinhardt, Undergraduate Director

Faculty: Albers, Alexandre, Attanasio, Barfuss, Baro, Bartness, Baumstark, Blaustein, Brinton, Carruth, Chen, Clancy, Crow, Datta, Derby, Edwards, Eichenbaum, Eilertson, Frantz, Frey, Gadda, Germann, Gilbert, Giovanetto, Grober, Harrison, Hilliard, Houghton, Jiang, Katz, Kaur, Kudravi, Louis, Lu, Mills, Norton, Pallas, Perelygin, Perelygina, Pierce, Poole, Rehder, Reinhardt, Savage-Rumbaugh, Tai, Walthall, Weber, Wilson, Zellars

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 particular needs and goals, students should first consult the Biology Advisement Website (located on the

Department of Biology's homepage at biology.gsu.edu) and if necessary consult with a departmental adviser for suggested courses relevant to each concentration or to design an interdisciplinary program.

3190.10 Degree Requirements

Degree offered:

Bachelor of Science

Major in Biology*

General Biology Studies (no concentration)

Concentration Microbiology

Concentration in Molecular Genetics and Cell Biology

Concentration in Neurobiology and Behavior

Concentration in Preprofessional Programs/Physiology

*** Note that biology majors must also complete a minor in chemistry. The requirements for the minor are incorporated in the curriculum below.**

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Alternatives are available for some requirements in Areas A-F. Please see a degree program adviser for specific guidelines.

Area A: Essential Skills (9)

Required course:

Math 1113.	Precalculus (or any higher level mathematics course) (3)

Area B: Institutional Options (4)

Recommended course:

Phil 1010	Critical Thinking (2)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

1. Laboratory Science Sequence (8)

Recommended courses:

Phys 1111K	Introductory Physics I (4) and
Phys 1112K	Introductory Physics II (4) or
Phys 2211K	Principles of Physics I (4) and
Phys 2212K	Principles of Physics 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 credit hours are applied to Area D, and one credit

hour is applied to area F.

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

- Required Courses (16)

Biol 2107K	Foundations in Biology I (4)**
Biol 2108K	Foundations in Biology II (4)***
Chem 1211K	Principles of Chemistry I (4)
Chem 1212K	Principles of Chemistry II (4)
- 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	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

- 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)
- Choose one of the following labs: (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.
- 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.
- Additional biology courses at the 3000-4000 level and biology credit hours transferred from Area F (23).

Area H: Minor and Additional Courses (21)

Students majoring in biology are required to complete the following:

- 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.
- Select one two-course physics sequence (8) *

Phys 1111K	Introductory Physics I (4) and
Phys 1112K	Introductory 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.
- 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 (4)
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 4430	Philosophy of Science (3)
Phil 4710	Biomedical Ethics (3)
Psyc 3010	Psychological Statistics (3)
Psyc 3140	Abnormal Psychology (3)
Phys 3500	Electronics (3)
- 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.

Concentration in Neurobiology and Behavior

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 Neuroscience (4)

and

Choose 19 hours of the following (3-5 credit hours each):

Biol 4015	Vertebrate Biology (4)
Biol 4040	Medical Neuroanatomy (4)
Biol 4045	General Ecology (4)

Biol 4053K	Ecology of the Southern Rocky Mountains (4)
Biol 4054K	Ecology of the Great Smoky Mountains (4)
Biol 4065	Vertebrate Morphogenesis (4)
Biol 4074	Developmental Biology (4)
Biol 4094	Developmental Neurobiology (4)
Biol 4114	Neural Mechanisms of Regulatory Behavior (4)
Biol 4116	Primate Behavior: Field and Laboratory (4)
Biol 4130	Sensation and Perception (3)
Biol 4180	Neurobiology Laboratory (4)
Biol 4240	Endocrinology (4)
Biol 4242	Circadian Rhythms (4)
Biol 4246	Advanced Animal Physiology (4)
Biol 4248	Cell Physiology (4)
Biol 4630	Hormones and Behavior (4)
Biol 4910	Undergraduate Research in Biology (5), on a subject related to Neurobiology and Behavior
Biol 4930	Topics in Biology (4)

Recommended Area H:

Biol 4744	Biostatistics (3)
Phil 4430	Philosophy of Science (3)
Phil 4710	Biomedical Ethics (3)
Phys 3500	Electronics (3)
Psyc 3010	Psychological Statistics (3)
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 (3)

Concentration in Microbiology**Recommended: Area F2**

Biol 2220	Introduction to Research in Biology and Medicine (2) or
Biol 2300	Microbiology and Human Health (3)

Recommended: Area G2

Biol 3890	Microbiology Lab (1)

Required: Area G4

All of the following courses are required (16):

Biol 4428	Medical Microbiology (4)
Biol 4430K	Microbial Diversity and Systematics (4)

Biol 4458	Microbial Ecology and Metabolism (4)
Biol 4481	Mycology (4) or
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 I (4)
Biol 4597	Microbial Physiology and Genetics II (4)
Biol 4598	Molecular Genetics of Eukaryotes (4)
Biol 4696	Laboratory in Molecular Biological Techniques (4)
Biol 4910	Undergraduate Research in Biology (5), on a subject related to microbiology
Biol 4930	Topics in Biology (4)

Concentration in Molecular Genetics and Cell Biology**Recommended: Area F2**

Biol 2220	Introduction to Research in Biology and Medicine (2) or
Biol 2430	Biotechnology (2) or
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	Advanced 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 (5), on a topic related to molecular genetics and cell biology
Biol 4930	Topics in Biology (4)

Concentration in Preprofessional/Physiology

Recommended: Area F2

Biol 2220	Introduction to Research in Biology and Medicine (2) or
Biol 2300	Microbiology and Human 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 4246	Advanced Animal Physiology (4)
Biol 4240	Endocrinology (4)

and

Choose three of the following (11-12)

Biol 4040	Medical Neuroanatomy (4)
Biol 4074	Developmental Biology (4)
Biol 4094	Developmental Neurobiology (4)
Biol 4102	Fundamentals of Neuroscience (4)
Biol 4130	Sensation and Perception (4)
Biol 4278	Immunology (4)
Biol 4248	Cell Physiology (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	Advanced Cell Biology (4)
Biol 4910	Undergraduate Research in Biology (5)
Biol 4930	Topics in Biology (4)

Minor Offerings and Double Major in Biology

Students who wish to minor or double major in biology must take 15-18 hours in courses in biology, including at least nine hours at the 3000-level or above. 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.)

Residency Requirement

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.

Graduation with Distinction

At least five hours of Biol 4910 and a grade point average of 3.5 in the major area are requirements for graduation with distinction.

Elementary Science Education Partners

See the description of this program in the "Degree Programs" section of this chapter.

Honors Program

The department encourages qualified students to participate in the Honors Program. (See "Honors Program,"

previously described.) 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.

Undergraduate Research Program

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.

3200 Department of Chemistry

540 General Classroom Building, 404/651-3120

chemistry.gsu.edu

A. L. Baumstark, Chair

Paul J. Franklin, Director of Undergraduate Studies,

Adviser

Faculty: Allison, Baumstark, Breyer, Dixon, Franklin, Gadda, Germann, Grant, Kennedy, Kibler-Herzog, Netzel, Pascoe, Patonay, Shamsi, Smith, Stephens, Strekowski, Weber, Wilson, Yang, Zoski

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, a knowledge of chemistry is a great asset in areas such as biology, physics, and health-related fields. It is a logical basis for premedical 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 (biology and premedicine) are possible for chemistry majors.

3200.10 Degree Requirements

Degree offered:

Bachelor of Science

Major in Chemistry

Concentration in Premedicine

Certification by the American Chemical Society

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed

- below;
- Area G: Major Courses, listed below; and
 - Area H: Minor and Additional Courses, listed below if needed.

Alternatives are available to some core and major requirements. Please see a degree program adviser for specific guidelines.

Area A: Essential Skills (9)

Required course:

Math 1113	Precalculus (or a higher level mathematics course) (3)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Recommended courses:

Chem 1211K	Principles of Chemistry I (4)
Chem 1212K	Principles of Chemistry II (4)

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 E: Social Sciences (12)

Area F: Courses Appropriate to the Major Field (18)

Chem 1211K	Principles of Chemistry I (4) +
Chem 1212K	Principles of Chemistry II (4) +
Phys 2211K	Principles of Physics I (4)*
Phys 2212K	Principles of Physics II (4)*
Chem 2010	Quantitative Analysis (2)
Chem 2400	Organic Chemistry I (4)
Math 2212	Calculus of One Variable II (4)

* Physics 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)

A grade of C or higher is required in all major courses.

- Major Requirements (25)

Chem 3410	Organic Chemistry II (4)
Chem 3100	Organic Chemistry Laboratory I (2)
Chem 3110	Organic Chemistry Laboratory II (2)
Chem 4110	Physical Chemistry I (3)
Chem 4120	Physical Chemistry II (3)
Chem 4160	Chemistry Laboratory IV A (2)
Chem 4000	Fundamentals of Chemical Analysis (3)

Chem 4010	Instrumental Methods I: Chromatography (3)
Chem 4190	Instrumental Methods III: Spectroscopy (3)
2. Major Electives (5)	
Recommended course:	
Chem 4600	Biochemistry I (5) (required for ACS certification)

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 4330	Advanced Synthesis (3)
Chem 4210	Inorganic Chemistry (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)

Concentration in Premedicine

A premedicine concentration is available for chemistry majors. The premedical or pre dental student who completes Chem 1211K, 1212K, 2010, 2400, 3410, 3100, and 3110 will have earned the equivalent of 10 credit hours in general and quantitative analytical chemistry and 12 credit hours in organic chemistry. Please contact the Department of Chemistry for further information.

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 Offerings

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.

Residency Requirement

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 of "C" or better.

Elementary Science Education Partners

See the description of this program in the "Degree

Programs” section of this chapter.

Honors Program

The department encourages qualified students to participate in the Honors Program. (See “Honors Program,” previously described.)

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.

3210 Department of Communication

1040 One Park Place South, 404/651-3200

www.gsu.edu/~wwwcom/comm.html

Carol K. Winkler, Chair

Carolyn Codamo, Associate Chair

Ray Miller, Undergraduate Adviser

Faculty: Austin, Barthlow, Beck, Bellon, Bernstein, Bolia, Boozer, Braden, Bruner, Cheshier, Darsey, Friedman, Fujioka, Hoffner, Holmes, K., Holmes, S., Lisby, Meyers, Miller, F., Miller, R., Morris, Rifkind, Ronski, Schiffer, Shaner, Smith, Sosale, Stuckey, Teel, Vollmer, Winkler

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, speech, and theatre.

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.

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.

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.

The major 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 to 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, a co-curricular activity of the Department of Communication, afford theatre majors practical experience through participation in productions.

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.

3210.10 Degree Requirements

Degrees offered:

Bachelor of Arts

Major in Film and Video

Major in Journalism

Concentration in Print Journalism

Concentration in Public Relations

Concentration in Telecommunication

Major in Speech

**Concentration in Public and Political
Communication**

**Concentration in Communication Across the
Lifespan**

Major in Theatre

Concentration in Performance

Concentration in Playwriting

**GPA Requirement for Journalism and Film/Video
Courses**

All 3000-4000 level journalism courses (excluding JOUR 3500) and Film/Video courses require students to have an overall 2.2 GPA prior to enrollment. See the Department of Communication's website for more information at www.communication.gsu.edu.

Film and Video

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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). (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, Mus 1500, Mus 1900, Mus 1930, Phil 1010, PolS 2101, PolS 2401, Psyc 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 4750 Film Theory and Criticism (3)
2. Select two courses. (6)

Film 4170	Hollywood Cinema to 1967 (3)
Film 4180	International Cinema (3)
Film 4960	Contemporary Hollywood Cinema (3)
3. Select one course. (3)

Film 4210	Critical History of Television (3)
Film 4280	Film Genres (3)
Film 4800	America Film and TV Industries (3)
4. Select one course. (3-4)

Film 4120	Filmmaking I * (4)
Film 4240	Documentary Film (3)
Film 4250	Media Producer (3)

*** To enroll in Film 4120, students must receive departmental authorization. To be considered, students must have (1) a 3.0 grade point average, (2) completed Film 1010 and 2700, and (3) submitted evidence of creative ability to the Department of Communication by October 15 or April 15 of the year of their eligibility prior to registration in semesters when Film 4120 is offered.**

5. Select three additional 3000/4000-level film and video courses from remaining alternatives above or from the following: (9) Students who selected Film 4120 in Section 4 and plan to continue the film production sequence select only Film 4130 and 4140 in Section 5; all others must select three courses in Section 5.

Film 3000	Lighting Design for Theatre, Film, and Television (3)
Film 3300	Dramatic Writing for Stage and Screen (3)
Film 3550	Film and History (4)
Film 4000	Acting for the Camera (4)
Film 4130	Filmmaking II (4)
Film 4140	Postproduction (4)
Film 4260	Film and Literature (3)
Film 4310	Feature Screenwriting I (3)
Film 4320	Feature Screenwriting II (3)
Film 4760	African Americans in Film (3)
Film 4776	Africa and Hollywood (3)
Film 4780	Special Topics (3)
Film 4810	Media and Popular Culture (3)
Film 4840	Computer Graphics Imaging (3)
Film 4841	Computer Animation (3)
Film 4880H	Honors Thesis: Writing (3 or 6)
Film 4980	Internship (1-6)

Journalism

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;

3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)**Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics, and Technology (11)****Area E: Social Science (12)****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, Mus 1500, Mus 1930, Phil 2010, Phil 1010, PolS 2101, PolS 2401, Psyc 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 Mass Communication Theories (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 3690H	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 4870H	Honors Thesis: Research (3)
Jour 4880H	Honors Thesis: Writing (3)
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 3950	Introduction to Mass Communication Research (3)
Jour 3560	Public Relations Writing and Projects (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 (3)
3. Media Studies: Select one course. (3)

Jour 3690H	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 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 3690H	Honors Readings (3)
Jour 4600	Readings in Journalism (3)
Jour 4870H	Honors Thesis: Research (3)
Jour 4880H	Honors Thesis: Writing (3)

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)
 - Jour 3000 Lighting Design for Theatre, Film, and Television (3)
 - Jour 4710 Telecommunication Production II (4)
 - Jour 4740 News for Telecommunication I (3)
 - Jour 4750 Special Projects in Telecommunication (3)
 - Jour 4760 Nonfiction Scriptwriting (3)
 - Jour 4770 Media Management and Marketing (3)
 - Jour 4840 News for Telecommunication II (4)
 - Jour 4980 Internship (3)
3. Media Studies: Select one course. (3)
 - Jour 3690H 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 4780 Women and Media (3)
 - Jour 4800 Mass Media and Society (3)
 - Jour 4810 Media and Popular Culture (3)
 - Jour 4870H Honors Thesis: Research (3)
 - Jour 4880H Honors Thesis: Writing (3)
 - Jour 4900 Selected Topics (3)

B.A. in Speech

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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 and Regulation (3)
- Spch 3210 Business and Professional Communication (3)
- Spch 3510 Principles of Debate (3)
- Spch 3690H 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 4880H Honors Thesis: Writing (3)
- Spch 4890 Special Project (3)
- Spch 4980 Internship (3)

Lifespan Communication Concentration

Select five courses (15)

Spch 3000	Phonetics (3)
Spch 3210	Business and Professional Communication (3)
Spch 3450	Nonverbal Communication (3)
Spch 3550	Oral Techniques of Group Decision Making (3)
Spch 3690H	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 4880H	Honors Thesis: Writing (3)
Spch 4890	Special Project (3)
Spch 4980	Internship (1-6)

B.A. in Theatre**Majors should complete the following:**

- Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
- Area F: Courses Appropriate to the Major, listed below;
- Area G: Major Courses, listed below; and
- Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)**Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics, and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major Field (18)**

- Lang 1002 Elementary Foreign Language II (3)
(See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.)
- Required Courses (minimum grade of "C" required) (9)

Thea 1010	Theatrical Design and Production (4)
Thea 2000	Theatre Workshop (1) (must be repeated 2 times) (3)
Thea 2210	Acting I (3)
- Arts Appreciation Elective: Select one course. (3)
AH 1700, AH 1750, AH 1850, Film 2700, Mus 1500, Mus 1900, or Mus 1930
- General Elective: Select one course. (3)

Area G: Major Courses (27)

A minimum grade of "C" is required in all major courses.

1. Major Requirements (12)

Thea 3100	Play Analysis (3)
Thea 4760	Performance Theory and Practice (3)
Thea 4950	Senior Collaborative Seminar (3)

Select one of the following courses:

Thea 4070	Western Theatre History (3)
Thea 4080	Non-Western Theatre History (3)
Thea 4090	African-American Theatre (3)

- Areas of Concentration: Theatre majors should take five courses from one of the following concentrations. (15)

Playwriting Concentration**1. Required Courses (6)**

Thea 4300	Dramatic Writing for Stage and Screen (3)
Thea 4310	Advanced Playwriting (3)

2. Select three courses. (9)

Thea 3000	Lighting Design for Theatre, Film, and Television (3)
Thea 3690H	Honors Readings (1-3)
Thea 4000	Acting for the Camera (4)
Thea 4050	Directed Activities for Technical Theatre (1-3)
Thea 4090	African-American Theatre (3)
Thea 4150	Creative Dramatics (3)
Thea 4650	American Musical Theatre (3)
Thea 4930	Gender and Performance (3)
Thea 4870H	Honors Thesis: Research (3)
Thea 4880H	Honors Thesis: Writing (3)
Thea 4890	Special Project (3)
Thea 4980	Internship (1-6)

Any 3000/4000-level course outside the student's area of concentration.

Performance Concentration**1. Requirements Courses (9)**

Thea 3210	Acting II (3)
Thea 4210	Acting Styles (3)
Thea 4850	Directing (3)

- Select two courses from group 2 in playwriting concentration, above. (6)

Area H: Minor and Additional Courses

- Majors in the Department of Communication's four 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, speech, or theatre) 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 Offerings

Students who wish to minor in one of the department's four 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.)

Residency Requirement

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 of "C" or better.

3220 Department of Computer Science

750 College of Education Building, 404/651-2245

www.cs.gsu.edu

Martin D. Fraser, Chair

Jaman Bhola, Undergraduate Adviser

Faculty: Belkasim, Bhola, Bourgeois, Dogdu, Fraser, Harrison, Henry, Hundewale, King, Nguyen, Owen, Pan, Prasad, Preethy, Sunderraman, Weeks, Zelikovskiy, Zhang

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 education, and the student's intended major or career goals are all factors to be considered when registering for any course. Students are urged to check the prerequisites for computer science courses and any computer science requirement as listed by their major department/school/institute. Refer any questions to that department/school/ institute or to the Department of Computer Science.

Computer science is the systematic exploration of all aspects of computation. The primary focal point is the use and limitations of a modern high-speed electronic computer.

The B.S. in computer science provides preparation in the fundamental principles and processes of computation and the basic mathematics and physics upon which these principles and processes depend. In addition, the program provides for the application of these principles to problems in the areas of business, industry, and science.

Project Yamacraw is a strategic initiative begun by the State of Georgia to make Georgia the global leader in the electronic design of high bandwidth communication. Yamacraw courses prepare students for employment in these industries.

In addition to immediate employment, there are opportunities for good students to pursue further study at the graduate level in computer science and other fields.

In 1978, the Department of Computer Science 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.

3220.10 Degree Requirements

Degrees offered:

Bachelor of Science

Major in Computer Science

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. In addition, for the programs listed below, the total of 120 hours must include at least 45 hours of upper-division courses numbered 3000 or above.

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 corequisites are strictly enforced in all computer science courses.

B.S. in Computer Science

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Students must receive credit for the calculus courses Math

2211, 2212, and 2215, the discrete mathematics course Math 2420, and the introductory computer science courses CSc 2010 and 2310 in Areas A-F.

Area A: Essential Skills (9)

Required course:

Math 1113	Precalculus, or higher level math course (3)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Required course:

Math 2211	Calculus of One Variable I (or a higher level mathematics course) (One credit hour counts in Area F.) (4)

Recommended courses:

Phys 2211K	Principles of Physics I (4)
Phys 2212K	Principles of Physics II (4)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

- 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)
Math 2420	Discrete Mathematics (3)
CSc 2010	Introduction to Computer Science (3)
CSc 2310	Principles of Computer Science (3)
- 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)

- In addition to the courses placed in the core curriculum, such as Phys 2211K and 2212K, all computer science majors must complete Math 3030 (3) and Phys 3500 (3). (6)
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 prerequi-

sites. Transfer students are strongly advised to take all prerequisites.

- Computer Science Requirements (28)

CSc 2311	Principles of 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)
CSc 4610	Numerical Analysis I (3)
- Select at least three courses from one of the following concentrations and at least two additional computer science courses at the 3000 level or above from outside that concentration. (20)

Computer Software Systems

CSc3320	System-Level Programming (3)
CSc 3360	Windowing Systems Programming (3)
CSc 4110	Introduction to Embedded Systems (4)*
CSc 4320	Operating Systems (4)
CSc 4340	Introduction to Compilers (4)
CSc 4640	Fundamentals of Bioinformatics (4)
CSc 4830	System Simulation (4)

Databases and Knowledge-based Systems

CSc 3320	System-Level Programming (3)
CSc4260	Digital Image Processing (4)*
CSc 4310	Parallel and Distributed Computing (4)*
CSc 4360	Network-Oriented Software Development (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

CSc 3360	Windowing Systems Programming (3)
CSc 4260	Digital Image Processing (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

CSc 4110	Introduction to Embedded Systems Laboratory (4)*
CSc 4220	Computer Networks (4)*

CSc 4230	VLSI Design (4)*
CSc 4250	VLSI CAD and Computer Architecture Lab (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

CSc 3320	System-Level Programming (3)
CSc 4220	Computer Networks (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)

Theoretical Computer Science

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 in item 2 above

*Students who wish to be Yamacraw trained must select two from CSc 4110, 4220, 4230, 4250, 4260, 4270, 4310, and 4360.

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 or military science courses.

Minor Offerings

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.

Residency Requirement

Degree candidates must earn 39 semester hours at Georgia State University in courses at the 3000-level or above with an average grade of C or higher. 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 University.

Honors Program

The department encourages qualified students to participate in the Honors Program. (See "Honors Program," previously described.)

3230 Department of English

923 General Classroom Building, 404/651-2900

www.gsu.edu/~wwweng

Matthew Roudané, Chair

Randy Malamud, Associate Chair

Thomas McHaney, Director of Graduate Studies

Calvin Thomas, Associate Director of Graduate Studies

Paul H. Schmidt, Director of Undergraduate Studies

Lynée Lewis Gaillet, Director of Lower Division Studies

Faculty: Bottoms, Brown, Burrison, Caldwell, Chase,

Denard, Dobranski, Erickson, Gabler-Hover, Gaillet, Galchinsky,

Gallant, Goodman, Gu, Gylys, Harper, Hirsh, Hocks, Holman,

Joseph, Lightsey, Lopez, Malamud, Marsh-Lockett, P.

McHaney, T. McHaney, Pullman, Ramsey, Richardson,

Richtarik, Roudané, Sattelmeyer, Schatteman, Schmidt, Singer,

Smolinski, Snow, Stokesbury, Thomas, Voss, West, Zeigler

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 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. Then, with the help of their advisers, majors choose upper-division courses, which allow them to pursue their interests in more depth. Finally, students can engage in advanced 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 cross-listed 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.

Requirements for a Major in English

All English majors planning to take any upper-division literature courses must fulfill the appropriate prerequisite courses with a grade of C or higher. Those majors planning to take upper-division British literature courses must have completed Engl 2120 and Engl 2140; all English majors planning to take any upper-division American literature courses must have completed Engl 2130 and Engl 2140. 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.

3230.10 Degree Requirements

Degree offered:

Bachelor of Arts

Major in English

Concentration in Advanced Composition and Rhetoric

Concentration in Creative Writing

Concentration in Literature

Concentration in Secondary English (Pre-education)

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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)
Engl 2140	Introduction to Literary Studies (3)
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 5 as listed for the literature concentration. (3)
3. Select one course from area 4 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 3120	Electronic Writing and Publishing (3)
Engl 3130	Business Writing (3)
 6. Select two electives chosen from advanced composition and rhetoric courses not already taken (one may be selected from creative writing courses). (6)
 7. Select an elective from English or Folklore courses. (3)
 8. Engl 4320 Senior Seminar: Advanced Composition and Rhetoric (3)

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)

Engl 3150a	Introduction to Creative Writing: Poetry (3)
Engl 3150b	Introduction to Creative Writing: Fiction (3)
5. Select one course. (3)

Engl 3160	Narrative Techniques (3)
Engl 3170	Poetic Techniques (3)
6. Select one course. (3)

Engl 3180a	Contemporary Poetry (3)
Engl 3180b	Contemporary Fiction (3)
7. Select two elective courses in English or Folklore. (6)
8. Select one course. (3)

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	English Renaissance Literature I (3)
Engl 3410	English Renaissance Literature II (3)
Engl 3980	Women's Literature I (3)*
Engl 4110	Chaucer (3)
Engl 4120	Spenser (3)
Engl 4130	Shakespeare I (3)
Engl 4140	Shakespeare II (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	English Romantic Poetry (3)
Engl 3610	English Victorian Poetry (3)
Engl 3620	Nineteenth-Century English Nonfiction Prose (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 Nonfiction 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 3180	Contemporary Poetry or Fiction (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

Engl 3840	(3) American Literature: 1945-Present (3)	Engl 3510	Literature (3) Later Eighteenth-Century English Literature (3)
Engl 3850	American Poetry (3)*	Engl 3600	English Romantic Poetry (3)
Engl 3860	American Drama (3)	Engl 3610	English Victorian Poetry (3)
Engl 3870	American Fiction (3)*	Engl 3620	Nineteenth-Century English Nonfiction Prose (3)
Engl 3880	American Nonfiction Prose (3)*	Engl 3700	English Literature: 1900-1945 (3)
Engl 3900	Irish Literature (3)	Engl 3710	English Literature: 1945-Present (3)
Engl 3910	The Tradition of Children's and Young Adults' Literature (3)	Engl 3720	Twentieth-Century English Poetry (3)
Engl 3920	Southern Literature (3)	Engl 3980	Women's Literature I (3)
Engl 3930	Modern Drama (3)	Engl 4200	Topics (3)*
Engl 3940	Postcolonial Literature (3)	2. American Literature: Select one course. (3)	
Engl 3950	African-American Literature (3)	Engl 3800	Early American Literature (3)
Engl 3960	African-American Literature by Women (3)	Engl 3810	American Literature: 1820-1865 (3)
Engl 3970	Caribbean Literature (3)	Engl 3820	American Literature: 1865-1914 (3)
Engl 3990	Women's Literature II (3)	Engl 3830	American Literature: 1914-1945 (3)
Engl 4200	Topics (3)*	Engl 3840	American Literature: 1945-Present (3)
5. Language, Criticism, and Theory Elective: Select one course. (3)		Engl 3850	American Poetry (3)*
Engl 3140	Editing (3)	Engl 3860	American Drama (3)
Engl 3200	Introduction to the English Language (3)	Engl 3870	American Fiction (3)*
Engl 3210	Advanced Grammar (3)	Engl 3880	American Nonfiction Prose (3)*
Engl 3220	History of the English Language (3)	Engl 4200	Topics (3)*
Engl 3230	History of Literary Criticism I (3)	3. Single Author: Select one course; Engl 4130 or 4140 recommended. (3)	
Engl 3240	History of Literary Criticism II (3)	Engl 4110	Chaucer (3)
Engl 3250	Contemporary Theory (3)	Engl 4120	Spenser (3)
Engl 3260	Studies in Popular Culture (3)	Engl 4130	Shakespeare I (3)
Engl 3955	Language in the African-American Community (3)	Engl 4140	Shakespeare II (3)
Engl 3995	Feminist Literary Criticism (3)	Engl 4150	Milton (3)
Engl 4200	Topics (3)*	4. Multicultural/Genre Literature: Select one course. (3)	
6. Select an elective course in English or Folklore. (3)		Engl 3910	The Tradition of Children's and Young Adults Literature (3)
7. Engl 4300 Senior Seminar: Literary Studies (3)		Engl 3940	Postcolonial Literature (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.		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: Select one course. (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)	

Secondary English (Pre-Education) Concentration

- British Literature: Select one course. (3)
 - Engl 3280 English Drama (3)*
 - Engl 3290 English Fiction (3)*
 - Engl 3300 Medieval English Literature (3)
 - Engl 3400 English Renaissance Literature I (3)
 - Engl 3410 English Renaissance Literature II (3)
 - Engl 3500 Restoration and Earlier Eighteenth-Century English

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
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 (3)
 9. Further coursework in the major is recommended for this concentration: select three courses (9); 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).

Additional recommendations for the Secondary English concentration for elective credit:

EXC 2010	Exceptional Children and Development (3)
IT 3210	Teaching and Technology (3)
EDCI 3200	Instructional and Organizational Issues in the Middle Grades (3) (includes field experience and requires authorization from MSIT Department, 404/651-2510).

English majors with the secondary English (pre-education) concentration are encouraged to apply to the College of Education Master of Education Alternative Preparation Program 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.

* 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.

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	English Renaissance Literature I (3)
Engl 3410	English Renaissance Literature II (3)
2. Select one course (3)

Engl 4110	Chaucer (3)
Engl 4120	Spenser (3)
Engl 4130	Shakespeare I (3)
Engl 4140	Shakespeare II (3)
Engl 4150	Milton (3)
3. Select two of the following (6)

Engl 3265	British-American Culture Seminar I
Engl 3266	British-American Culture Seminar II
Hist 4960	British-American Culture Seminar I
 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)
 6. Engl 3270 Senior Seminar: American Culture (3)

Additional Courses in Major for British-American Joint Studies Program Concentration (18)

To be taken at University of Northumbria-Newcastle

Engl 4200V	Colloquium on British Culture (3)
Engl 4200W	British Culture Seminar (3)
Engl 4200Z	American Culture Seminar (3)
Engl 4200D	Colloquium on British Culture (3)
Engl 4200Q	British Culture Seminar (3)
Engl 4200K	American Culture Seminar (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).

Minor Offerings

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.)

Residency Requirement

A minimum of 39 semester hours in courses at the 3000-level and above must be completed in residence at Georgia State University with an average grade of C or higher.

Assessment

In addition to passing the required courses, students must demonstrate writing ability, good judgment, and sufficient knowledge of the field in order to graduate, as measured by two forms of assessment.

Student Self-Assessment: Senior Seminar Project

Each student will complete a substantial writing project in the senior seminar. This project will be appropriate to the student's concentration and the specific topic of the seminar. The seminar instructor will provide specific details of the assignment; all projects must be mature, focused research, or creative papers (as determined by the concentration) that result from the student's own efforts, consultation with the instructor, and peer review from other seminar members. In an introduction to the final draft, the writer must survey his or her own growth as a writer and point to strengths demonstrated in the project. Those students who plan to register for either creative writing senior seminar must first complete Engl 3150a or Engl 3150b and Engl 3160 or Engl 3170. Those students who plan to register for any other senior seminar must first complete at least two courses appropriate to their concentration.

Departmental Student Assessment: Senior Exit Portfolio

In order to graduate, English majors must submit an exit portfolio, in which they will include a letter of self-assessment and three to five essays that demonstrate their writing ability. Further information about the exit portfolio is available from the department.

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.

Teacher Certification

English majors who want to pursue certification to teach at the 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 Instructional Technology Department (639 College of Education Building, 404/651-2510). Georgia State University offers a Master's of Education Alternative Preparation degree that is a four semester program beginning spring and summer and a Master's of Education Alternative Preparation Degree/Certification Track in a fall/spring semester sequence.

English Requirements for All Students

In its freshman composition courses, the department instructs students in the standard of writing expected in their academic careers. The core curriculum requirements for composition (Area A, Basic Skills) are English Composition I and II (Engl 1101 and 1102) or the equivalent. The lowest passing grade for these courses is a grade of C.

The Honors Program

The department encourages all qualified students to participate in the Honors Program (see “Honors Program” for additional information).

3240 Department of Geology

340 Kell Hall, 404/651-2272

www.gsu.edu/~wwwgeo

Timothy E. LaTour, Chair

Timothy La Tour, Undergraduate Director

Faculty: Babaie, Burnley, Christensen, Elliott, Fritz, Ghazi, La Tour, Rose, Terrell

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 we use our planet.

Many career opportunities in geology allow for practical application of the science 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 also be an appropriate choice.

The Department of Geology offers the B.S. degree with concentrations in general geology and environmental geology. The environmental concentration is designed especially to appeal to and meet the needs of students who have a particular interest or specific career aspirations in environmental geology or hydrogeology. The student should consider this concentration as excellent preparation for employment positions or graduate school studies in environmental geology or hydrogeology. Specific requirements for the concentrations are shown below.

The concentration in general geology is a more traditional program designed to prepare the student for graduate studies or employment in a wide variety of geoscience areas. It features greater flexibility in selection and scheduling of courses.

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.

3240.10 Degree Requirements

Degree offered:

Bachelor of Science

Major in Geology

Concentration in General Geology

Concentration in Environmental Geology

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;

2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

All curricula leading to a B.S. degree in geology include the following requirements: Geol 1121K, 1122K, 3002, 4006, 4009, 4013, 4015, 4016, 4095; Chem 1211K, 1212K; Math 2211, 2212. All students must also take one of the following allied science sequences: Biol 1107K, 1108K; or Biol 2107, 2108; or Phys 1111K, 1112K; or Phys 2211K, 2212K. Note: Physics recommended.

In completing their requirements, all students choose either a concentration in general geology or a concentration in environmental geology. The general geology concentration provides the broadest background, and it is viewed as the normal track for preparation for advanced graduate study in the geological sciences. The environmental geology concentration is more specialized, and it has corresponding specialized requirements in geology courses.

Area A: Essential Skills (9)

Required course:

Math 1113	Precalculus, or higher-level math course (3)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Math, and Technology (11)

Recommended courses:

Geol 1121K	Introductory Geosciences I (4)
Geol 1122K	Introductory Geosciences II (4)

Required course:

Math 2211	Calculus of One Variable I (or a higher level mathematics course) (4). One credit hour will count in Area F or in the second 60 hours beyond the core curriculum.

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

1. Required Courses (10)

Math 2212	Calculus of One Variable II (4)*
Chem 1211K	Principles of Chemistry I (4)
Chem 1212K	Principles of 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)

*Two credit hours will count in the second 60 hours beyond the core curriculum.

2. Select one two-course sequence from the following four sets as needed to complete 18 hours in Area F. (8)

Phys 1111K	Introductory Physics I (4)
Phys 1112K	Introductory Physics II (4) or
Phys 2211K	Principles of Physics I (4)
Phys 2212K	Principles of Physics II (4) or
Biol 1107	Principles of Biology I (4)
Biol 1108	Principles of Biology II (4) or
Biol 2107K	Foundations of Biology I (4)
Biol 2108K	Foundations of Biology II (4)

Area G: Major Courses (39)

A grade of C or higher is required in all major courses.

1. Geology majors must select concentrations in either general geology or environmental geology.

General Geology Concentration (27)

Geol 3002	Introduction to Earth Materials (4)
Geol 4013	Structural Geology (4)
Geol 4006	Sedimentary Environments and Stratigraphy (4)
Geol 4009	Field Geology (6)
Geol 4015	Crystallography and Optical Mineralogy (4)
Geol 4016	Igneous and Metamorphic Petrology (4)
Geol 4095	Seminar in Geological Sciences (1)*

Environmental Geology Concentration (35)

Courses listed for general geology concentration (27)

Geol 4007	Hydrogeology (4)
Geol 4017	Environmental Geology (4)
2. Geology Electives: Select additional courses for a total of 39 semester hours. (4-12)

Geol 4002	Introduction to Oceanic Environments (3)
Geol 4003	Aqueous Geochemistry (4)
Geol 4005	Geology of Georgia (3)
Geol 4007	Hydrogeology (4)**
Geol 4008	Rock Fracture and Fluid Flow (4)
Geol 4011	Principles of Paleontology (4)
Geol 4012	Advanced Quantitative Hydrogeology (3)
Geol 4017	Environmental Geology (4)**
Geol 4042	Analytical Methods (3)
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 4650	Applied Hydrology (4)***
Geol 4870H	Honors Thesis: Research (3)
Geol 4880H	Honors Thesis: Writing (3)

One hour of Math 2211 and two hours of Math 2212 count in the 60 hours beyond the core curriculum (3).

* 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

1. Geology majors 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 or military science courses.

Minor Offerings

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.)

Residency Requirement

A minimum of 39 semester hours in courses at the 3000-level and above must be completed in residence at Georgia State University with an average grade of C or higher.

Honors Program

The Department of Geology encourages qualified students to participate in the Honors Program. (See "Honors Program," previously described.)

3250 Department of History

805 General Classroom Building, 404/651-2250

www.gsu.edu/~wwwwhis

Hugh Hudson, Acting Chair

Wendy Venet, Undergraduate Director

Faculty: Ali, Brattain, Brophy, Corpis, Crimmins, Davidson, Dupuy, Eskew, Fletcher, Harris, Heitzman, Hudson, Kuhn, Laub, Lutz, McCreery, Moon, Perry, Rapp, Reid, Reynolds, Rouse, Schwenk, Steffen, Venet, Youngs

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.

3250.05 Requirements for a Major in History

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.

3250.10 Degree Requirements

Degree Offered:

Bachelor of Arts
Major in History

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed

below;

3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed in this section, if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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 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)

A grade of C or higher is required in all major courses.

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 (should be taken first among upper-

- division courses) (4)
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 of History 3000 and at least four other upper-division course.

Pre-Education Track in History

The Department of History offers a pre-education track for those students who plan to teach on the middle school or high school level. Students who 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 (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 Offerings

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.

Residency Requirement

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.

Honors Program

The Department of History encourages qualified students to participate in the Honors Program. (See "Honors Program," previously described.)

3260 Department of Mathematics and Statistics

750 College of Education Building, 404/651-2245

www.mathstat.gsu.edu/

Jean H. Bevis, Chair

Joseph Walker, Undergraduate Adviser

Faculty: Alexander, Arav, Bakonyi, Bevis, Chen, Datta, Davis, Ding, Domke, Ehrlich, Ferguson, Hall, Hamkins, Harden, Hattingh, He, Hicks, Hsu, Li, Miller, Myers, Patrangenaru, Patterson, Phillips, Qin, Rogers, Saylor, Shilnikov, Smirnova, Smith, Stewart, Tye, Vidakovic, Walker, Zhao

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. 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.A. and B.S. degree programs in mathematics prepare 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 secondary school teaching prepares a student for high school teaching in mathematics. The concentration in decision sciences provides training in management modeling, problem solving, and computer-assisted decision support/expert systems technologies. 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.

3260.10 Degree Requirements

Degrees offered:

Bachelor of Arts

Major in Mathematics

Bachelor of Science

Major in Mathematics

Concentration in Actuarial Science

Concentration in Computer Information

Systems

Concentration in Computer Science

Concentration in Decision Sciences

Concentration in Secondary School Teaching

Concentration in Statistics

A minimum grade of C is required in all mathematics and statistics courses and all upper-level courses that are required in the undergraduate programs of this department. In addition, for the programs listed below, the total of 120 hours must include at least 45 hours of upper-division courses numbered

3000 or above.

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.) B.A. degree students must also receive credit for an intermediate-level foreign language sequence of two courses.

B.A. in Mathematics

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Additional Major Courses, Concentrations and Electives, listed below if needed.

Area A: Essential Skills (9)

Required course:

Math 1113	Precalculus, or higher-level math course (3)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Required course:

Math 2211	Calculus of One Variable I (or a higher level mathematics course) (4)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

1. Foreign Language (3)

Lang 2001	Intermediate Foreign Language I (3)
Lang 2002	Intermediate Foreign Language II (3)

For students taking Latin, Latn 2002, satisfies the Intermediate II requirement for the B.A. in Mathematics (4) See "Foreign Language Requirements for B.A. and B.I.S. Majors," described in this chapter.

2. Required courses: Select the course(s) not taken in Area A or D.

Math 2212	Calculus of One Variable II (4)
Math 2215	Multivariate Calculus (4)
3. Electives: Select courses to complete the 18 credit hour requirement.

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, Math 2420, Phil 1010 and Phil 2420, Phys 2211K, Phys 2212K

Students seeking teacher certification must take

additional courses as specified in the “Secondary Teaching Concentration” section below.

Area G: Major Courses (33)

- Required Courses (21)

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	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (3)
Math 4751	Mathematical Statistics I (3)
- Mathematics Electives: Select 12 additional hours of 3000/4000-level mathematics courses, of which 3 hours at most may be at the 3000-level. (12)
- 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. (27). See “Area H: Additional Major Courses, Concentrations, and Electives” below for specifics of special programs, such as the various concentrations offered.

B.S. in Mathematics

Majors should complete the following:

- Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
- Area F: Courses Appropriate to the Major, listed below;
- Area G: Major Courses, listed below; and
- Area H: Additional Major Courses, Concentrations and Electives, listed below if needed.

Area A: Essential Skills (9)

Required course:

Math 1113	Precalculus (or a higher level mathematics course) (3)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Required course:

Math 2211	Calculus of One Variable I (or a higher level mathematics course) (4)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major Field (18)

- Required Courses: Select the course(s) not taken in Area A or D. (4-8)

Math 2211	Calculus of One Variable I (4)

Math 2212	Calculus of One Variable II (4)
Math 2215	Multivariate Calculus (4)

- Select additional courses to complete 18 hours in Area F. (10-12)
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 and Lang 2002, Latn 2002, Math 2420, Phil 1010 and Phil 2420, Phys 2211K, Phys 2212K

Area G: Major Courses (33)

- Required Courses (21)

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	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (3)
Math 4751	Mathematical Statistics I (3)
- Mathematics Electives: Select 12 additional hours of 3000/4000-level mathematics courses, of which three hours at most may be at the 3000-level.
- 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, and Electives

See descriptions below as to the specifics of special programs, such as the various concentrations offered.

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, and CSc 2310 in the core curriculum Areas A-F or as electives.

- Mathematics Requirements (27)

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 4661	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (3)
Math 4751	Mathematical Statistics I (3)
Math 4752	Mathematical Statistics II (3)
Math 4610	Numerical Analysis I (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	Financial Foundations of Actuarial Science (3) <i>or</i>
AS 4350	Life Contingencies II (3)
 3. Required Economics Courses (6)

Econ 2105	Principles of Macroeconomics (3)
Econ 2106	Principles of Microeconomics (3)
 4. Select four additional courses as electives. (12)

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 (18)

Math 3000	Bridge to Higher Mathematics (3)
Math 3435	Introductory Linear Algebra (3)
Math 4435	Linear Algebra (3)
Math 4661	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (3)
Math 4751	Mathematical Statistics I (3)
2. Select two additional upper-level courses from mathematics courses. (6)
3. Computer Science Requirements (15)

CSc 2310	Principles of Programming I (3)
CSc 2311	Principles of 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. Select additional courses as electives to complete 120 hours. (8)

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 (18)

Math 3000	Bridge to Higher Mathematics (3)
Math 3435	Introductory Linear Algebra (3)
Math 4435	Linear Algebra (3)
Math 4661	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (3)
Math 4751	Mathematical Statistics I (3)
2. Select two additional upper-level (3) mathematics courses. (6)
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 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. Select additional courses as electives to complete 120 hours. (9-11)

Decision Sciences Concentration

In cooperation with the Department of Decision Sciences, the Department of Mathematics and Statistics offers the Bachelor of Science with a major in mathematics and a concentration in decision sciences. In the decision 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. Decision 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 (15)

Math 3000	Bridge to Higher Mathematics (3)
Math 3435	Introductory Linear Algebra (3)
Math 4435	Linear Algebra (3)
Math 4661	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (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. Three additional courses in mathematics and/or computer science (9-10), including one of the following:

Math 4253	Introduction to Operations Research (3) or
CSc 4830	System Simulation (4)
4. Decision Sciences Requirements (15)

DSc 3120	Generalized Modeling Techniques with Applications (3)
DSc 4020	Principles of Decision Support Systems (3)
DSc 4100	Analysis of Business Data (3)
DSc 4120	Design of Analysis for Decision Making (3)
DSc 4130	Managerial Problem Solving (3)
5. Decision Sciences Electives: Select one course. (3)

DSc 4220	Management Support Systems (3)
DSc 4240	Model-based Decision Support Systems (3)
DSc 4760	Statistical Quality Assurance (3)
6. Select additional courses as electives to complete 120

hours. (11-12)

Students must have satisfied the statistics requirements before enrolling in any DSc courses. DSc 3120 is prerequisite to DSc 4020, 4120, 4220, and 4240. DSc 4220 also has prerequisites of DSc 4020, 4120, and 4130, in addition to DSc 3120. A student must be familiar with spreadsheet software for DSc 3120. Familiarity with database computing software is required for DSc 4020 and DSc 4220. Word processing skills are needed for most DSc courses.

Secondary School Teaching Concentration

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 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 (9)

EPSF 2010	Introduction to Educational Issues (3)
EPY 2050	Human Growth and Development (3)
EXC 2010	Exceptional Children and Youth (3)
2. Mathematics Requirements (18)

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	Advanced Calculus I (3)
Math 4751	Mathematical Statistics I (3)
3. Select one course. (3)

Math 4301	Transformational Geometry (3)
Math 4371	Modern Geometry (3)
4. Select one course. (3)

Math 4442	Modern Algebra II (3)
Math 4662	Advanced Calculus 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	Teachers and Technology (3)
EDCI 3250	Introduction to Teaching in Secondary Schools (3)
EDCI 4600	Practicum (3) (must be taken concurrently with EDMT 4560)
EDMT 4560	Principles of Mathematics Instruction (3) (must be taken concurrently with EDCI 4600)
EDCI 4630	Critical Issues in Secondary Education (3) (must be taken concurrently with EDCI 4750)
EDCI 4750	Student Teaching in the Secondary School (9) (must be taken concurrently with EDCI 4630)
 8. Select two additional courses as electives. (5-6)

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 for CSc 2010, CSc 2301 or CSc 2310, and Math 2420 in the core curriculum Areas A-F or as electives.

1. Mathematics and Statistics Requirements. (24)

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	Advanced Calculus I (3)
Math 4662	Advanced Calculus II (3)
Math 4751	Mathematical Statistics I (3)
Math 4752	Mathematical Statistics II (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, Decision Sciences, Economics, and Marketing.
5. Select additional courses as electives to complete 120 hours. (17-18)

Area H: Minor and Additional Courses

1. Students earning a B.A. or B.S. in the Department of Mathematics and Statistics 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 or military science courses.

Minor Offerings

Students choosing to minor in mathematics should complete Math 2212 and 2215 and nine hours of additional mathematics courses at the 3000-level or above. 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.

Residency Requirement

Degree candidates must earn 39 semester hours at Georgia State University in courses at the 3000-level or above with an average grade of C or higher. 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 University.

Honors Program

The department encourages qualified students to participate in the Honors Program. (See "Honors Program,"

previously described.)

3270 Department of Military Science

202 Courtland Building, 404/651-2275

www.gsu.edu/~wwwrot/web.html

K. Bret McElhinney, Chair

Faculty: Clark, Evans, McCamish, McElhinney, Travis

The Department of Military Science, most often referred to as the Reserve Officer's Training Corps (ROTC), offers an introduction to the opportunities available in the United States Army, Army Reserve, and Army National Guard. The basic course (MS 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 (MS 3000 and 4000 series) is designed for students with two years of undergraduate or graduate study remaining. The upper-level program requires an obligation for the student to serve in the Army National Guard, Army Reserves, or on Active Duty as a commissioned officer. Entering ROTC can be personally, physically, and financially rewarding. Stipends of \$250-450 per month as well as scholarship opportunities are available.

3270.10 Interdisciplinary Minor in Advanced Leadership and Management

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.

General Minor Requirements

1. A cumulative Georgia State 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 BIS council.
2. A grade point average of 3.0 or better 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 (3)
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 3590	United States in the 20th Century (3)
Hist 4230	Foreign Relations of the United States (3)
Hist 4600	Russia and the Soviet Union since 1861 (3)
Hist 4610	Modern Eastern Europe (3)
Hist 4790	The Middle East since 1800 (3)

Management Concentration

BCom 3950	Managerial Communication (3)
Mgt 3500	Management Concepts, Theory, and Practice (3)
Mgt 4370	Introduction to 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	Constitutional Law I (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 work out with that adviser 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. If more than six hours of courses not on the above list are to be taken, approval must also be granted by the BIS Council.

To be commissioned as an officer in any component of the Army, you must complete one of the following programs of instruction:

Standard:

MS 1000-4000 level courses
National Advanced Leadership Camp

Basic Progression:

Leader Training Camp
MS 3000-4000 level courses
National Advanced Leadership Camp

JROTC-ROTC:

4 years of Junior ROTC
MS 3000-4000 level courses
National Advanced Leadership Camp

Advanced Cadet Commissioning Training:

4 weeks advanced progression training
MS 3000-4000 level courses
National Advanced Leadership Camp

3280 Department of Modern and Classical Languages

841 General Classroom Building, 404/651-2265

www.gsu.edu/~wwwmcl/

John Austin, Chair

Faculty: Austin, Braunrot, Cash, del Rio Parra, Doig, Fernandez-L'Hoeste, Lawson, LeCalvez, Mendez, Miller, Montero, O'Connell, Perla, Reati, Restenberger, Rodrigo, Saunders, Schlig, Torres

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 with a digital audio laboratory with 34 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 Language Acquisition and Resource Center 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.

3280.10 Degree Requirements

Degrees Offered:

Bachelor of Arts

Major in French

Major in German

Major in Spanish

Students desiring to major in classics should consult the program in Classical Studies under the Bachelor of Interdisciplinary Studies. Students interested in pursuing Japanese should consult the program in Japanese/Asian Studies under BIS.

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed

below;

3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

In each language major, students may choose from among three different concentrations: literature, teacher education, and language and international business. Specific requirements for each concentration are listed below for each language. Please note that prerequisites listed for specific courses will be strictly enforced.

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.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major (18)

The following requirements and options are appropriate for majors in French, German, or Spanish.

1. Required Courses (0-6) [0-9 in Spanish] *
 - a. Fren/Grmn/Span 2001 Intermediate French/German/Spanish I (3)
 - b. Fren/Grmn/Span 2002 Intermediate French/German/Spanish II (3)

* Spanish majors must also take Span 2203 or 2501 (See "Foreign Language Requirement for B.A. and B.I.S. Majors," previously described.)
2. Select language courses from the following:
 - a. Lang 1002 (Elementary Foreign Language II) (language of major) (3)
 - b. Lang 1001 and 1002 (Elementary Foreign Language I and II) (second foreign language) (3 each)
 - c. Lang 2001 and 2002 (Intermediate Foreign Language I and II) (second foreign language) (3 each) or select elective courses from either of the lists below.
3. 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

Electives in other departments.

AL 2101, AL 2102, Anth 2020, AH 1700, AH 1750, Econ 2105, Econ 2106, Engl 2110, Engl 2120, Engl 2130, EPSF 2010, EPY 2050, EXC 2010, Hist 1111, Hist 1112, Film 1010, Jour 1010, Phil 2010, PolS 2401, WSt 2010

B.A. in French

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)
- c. Select two additional courses in French at the 3000/4000 level (6)

Teacher 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)
- c. Select three additional courses in French at the 3000/4000 level (9)

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)
- c. Select two additional courses in French at the 3000/4000 level (6)

B.A. in German

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)

Gmn 3301	Advanced German I (3)
Gmn 3302	Advanced German II (3)
Gmn 3311	Introduction to Reading German Literature (3)
Gmn 3312	Introduction to Reading German Literature (3)
2. Concentration Courses (18)

Literature Concentration

Gmn 4402	Advanced Grammar: Morphology and Syntax (3)
Gmn 4411	Survey of German Literature I (3)
Gmn 4412	Survey of German Literature II (3)
Gmn 4414	Topics in German Literature (3)
Gmn 4421	Introduction to German Civilization (3)
Gmn 4422	Contemporary Germany (3)

Teacher Education Concentration

Gmn 4401	Phonetics and Phonology (3)
Gmn 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)

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)

B.A. in Spanish

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 (3) or
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)

Teacher Education Concentration

- a. Span 3305 Advanced Conversation and Composition (3) (nonnative 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)

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 literature course above Span 3307. (3)
- c. Three additional courses in Spanish at the 3000-4000 level. (9)

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.

Minor Offerings

Students who wish to minor in a foreign language 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.)

Residency Requirement

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.

Requirements for Teacher Certification

Students who wish to be certified to teach French, German, or Spanish in the public schools of Georgia should choose the courses listed under the "Concentration in Teacher Education" above and the following methodology courses in the Department of Modern and Classical Languages: ForL 3021, 3022, 4025, 4026, and 4030. Students desiring certification in Latin should take, in addition to the B.I.S. major in Classical Studies, ForL 4027 and 4030. All students will register for Student Teaching (ForL 4061/4062/4063).

All students seeking certification in French, German, Latin, or Spanish must pass the following courses in the College of Education with a grade of C or higher: EPSF 2010, EPY 2050, IT 3210, and EXC 2010.

Students must apply formally and be admitted to the Teacher Education program in foreign languages. Application forms are available in the Office of Academic Assistance of the College of Arts and Sciences (724 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, German, Latin, and 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.

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, Email: 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 Heather Blevins, 404/651-2265 or mcinfo@gsu.edu.

The Honors Program

The department encourages all qualified students to participate in the Honors Program. (See "the Honors Program," previously described.)

3290 School of Music

Haas-Howell Building, Room 520, 404/651-3676

www.gsu.edu/~wwwmus

John B. Haberlen, Director

David Myers, Associate Director and Undergraduate Director

Faculty: Ambrose, Brende, Carter, Coleman, Demos, Etzel, Frackenpohl, Gerschefski, Greene, Haberlen, Haydon, H. Marshall, P. Marshall, Martin, Mauldin, Myers, Orr, Pomeroy, Raines, Schechter, Shew, Street, Taylor, Thomas, Thompson, Vernick

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 Recital Hall in the Arts and Humanities Building. Large ensembles perform throughout the academic year in the Rialto Theater, a 950-seat, state-of-the-art performance venue located in the heart of downtown Atlanta.

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 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 degree in music includes 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 to 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.

Entrance Requirements

Applicants to the Bachelor of Music degree program must meet the entrance requirements of the School of Music and those of Georgia State University. The university Office of Undergraduate Admissions will provide information concerning requirements that must be met for admission 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 web site 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, woodwind, string, 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).

Degree Requirements

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 concentration is available only through the B.S. degree. Some of these concentrations have specializations or emphases that are detailed below.

Audition Requirements

Voice (to be performed from memory)

1. Two songs in contrasting styles from the standard concert repertoire; 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, "Flur" 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

Admission policies and requirements pertaining to the study of percussion instruments are available in the office of the School of Music.

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.

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.

Musical Ensembles

Musical ensembles (choral groups, jazz ensembles, orchestra, and wind ensembles) are open to all Georgia State students by audition.

Every student who is registered for applied music is required to enroll in a conducted ensemble. String, woodwind, brass, and percussion students should generally enroll in Mus 1060/3060 and 1070/3070. Voice students should generally enroll in Mus 3080 or 3080A. Keyboard students may enroll in Mus 1060/3060, 1070/3070, 1080/3080, or 1080A/3080A according to their degree requirements.

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.

The Applied Cluster

To insure comprehensive development in performing, all music majors are required to register for and participate in the

following performing activities: private study (applied music) and large ensemble. In addition, students must attend labs/master classes as required by studio instructors. Some programs require that students register for credit in chamber music. These activities are collectively known as the Applied Cluster.

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.

Explanation of Applied Music Levels

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 nonmajors. 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.

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 or receive a grade of "S" for each semester of applied music required while attending Georgia State University. Transfer students must fulfill Mus 1100 for the number of semesters required to earn their degree, to a maximum of six.

Selecting 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.

Music 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 ("College of Arts and Sciences" section), 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 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.

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 Arts and Sciences Academic Assistance office (724 General Classroom Building). The form should be returned to the same office for processing. Students should apply for entry into teacher education upon completion of 60 hours of course work, including courses required in Areas A through D and EPSF 2010. An overall cumulative GPA of 2.50 is required, and students must have passed the Praxis I (a test of basic reading, writing, and mathematics skills) and Regents' exams.

3290.10 Degree Requirements

Degrees 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****Concentration in Music Management****B.Mu. in Music**

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and

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.

Area A: Essential Skills (9)**Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)**

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 D: Science, Mathematics, and Technology (11)**Area E: Social Science (12)****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, 1070, or 1080. Ensemble: One 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)**

Depending on performing medium, enrollment in small ensemble may be required.

Applied Music 2000	Principal (4)
Applied Music 3000	Principal (4)
Mus 3000	Recital I/Principal (0)

Select one course: (4)

Mus 1060	Wind Ensemble (4)
Mus 1070	Orchestra (4)
Mus 1080	University Singers or Choral Society (4)
Mus 1100	Concert Attendance (6 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 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)

2. Theory/Composition Requirements (42)**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 (0-2)
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 (Piano) Concentration

1. Performance Requirements (34). Depending on performing medium, enrollment in small ensemble may be required.
- Applied Music 1000 Jazz Piano (2)
- Applied Music 2000 Classical Piano (4)
- Applied Music 4000 Jazz Piano (8)
- Mus 3000 Recital I (0)
- Mus 4000 Recital II (0)
- Select one course (4)
- Mus 1060 Wind Ensemble (4)
- Mus 1070 Orchestra (4)
- Mus 1080 University Singers or Choral Society (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 3080 Vocal Jazz Ensemble (1)
- Mus 3090 Jazz Band (4)
- Mus 3160 Jazz Combos (3)
- Mus 4360 Advanced Keyboard Skills (0-2)
- Mus 4790 Advanced Jazz Improvisation I (1)
- Mus 4791 Advanced Jazz Improvisation II (1)
2. Theory/Composition Requirements (27)
- 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 Band (1)
- Mus 4430 Advanced Form and Analysis (2)
- Mus 4730 Computer Applications in

- Music (0-2)
- Mus 4792 Jazz Theory (2)
3. Music History/Literature Requirements (11)
- MuA 3500 Jazz: Its Origins, Styles, and Influence
- 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 (Instrumental) Concentration

1. Performance Requirements (37)
- Depending on performing medium, enrollment in small ensemble may be required.
- Applied Music 2000 (6)
- Applied Music 4000 (8)
- Mus 3000 Recital I (0)
- Mus 4000 Recital II (0)
- Select one course (4)
- Mus 1060 Wind Ensemble (4)
- Mus 1070 Orchestra (4)
- Mus 1080 University Singers or Choral Society (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 3080 Vocal Jazz Ensemble (1)
- Mus 3090 Jazz Band (4)
- Mus 4790 Advanced Jazz Improvisation I

	(1)		(0-1)	
	Mus 4791	Advanced Jazz Improvisation II	Select one	
2.	(1)		Mus 1730 and 1740 Group Instruction in Voice I and II (2)	
	Mus 1440	Theory I (3)	Mus 4440	Vocal Pedagogy (2)
	Mus 1450	Theory II (3)		Applied Music 1000 (2)
	Mus 1540	Aural Skills I (1)	Mus 2490	Basic Conducting (2)
	Mus 1550	Aural Skills II (1)	Mus 3010	Basic Improvisation (0-1)
	Mus 2440	Theory III (3)	Mus 3080	University Singers or Choral Society (3)
	Mus 2450	Theory IV (3)	Mus 4480	Choral Conducting (2)
	Mus 2540	Aural Skills III (1)	2.	Theory/Composition Requirements (22)
	Mus 2550	Aural Skills IV (1)	Mus 1440	Theory I (3)
	Mus 4100	Jazz Combo Arranging (1)	Mus 1450	Theory II (3)
	Mus 4110	Instrumentation and Orchestration (3)	Mus 1540	Aural Skills I (1)
	Mus 4170	Arranging for the Large Jazz Band (1)	Mus 1550	Aural Skills II (1)
	Mus 4450	Advanced Tonal Analysis (2)	Mus 2440	Theory III (3)
	Mus 4730	Computer Applications in Music (0-2)	Mus 2450	Theory IV (3)
	Mus 4792	Jazz Theory (2)	Mus 2540	Aural Skills III (1)
3.	Mus 4792	Jazz Theory (2)	Mus 2550	Aural Skills IV (1)
	MuA3500	Jazz History (3)	Mus 4110	Instrumentation and Orchestration (3)
	Mus 4800	Music History from Antiquity through the Baroque Period (3)	Mus 4140	Arranging for Chorus (1)
	Mus 4810	Music History from the Classical Period to the Present (3)	Mus 4730	Computer Applications in Music (0-2)
	Mus 4820	World Music (2)	3.	Music History/Literature Requirements (8)
4.	Mus 4820	World Music (2)	Mus 4800	Music History from Antiquity through the Baroque Period (3)
	Mus 2010	The Music Business for Jazz Musicians (1)	Mus 4810	Music History from the Classical Period to the Present (3)
	Mus 4220	Jazz Ensemble Techniques (2)		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.
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:	4.	Music Education Requirements (27). Students must earn a grade of B or higher in these courses.
	Mus 4770	Advanced Aural Skills I (1)	Mus 3310	Introduction to Music Education (2)
	Mus 4850	Jazz Styles (2)	Mus 3320	(TE) General Music in Early Childhood (3)

Music Education (Choral/General) Concentration

- Performance Requirements (25). Depending on performing medium, enrollment in small ensemble may be required.
 - Applied Music 2000 (4)
 - Applied Music 3000 (3)
 - Mus 3000 Recital I (0) (optional)
 - Mus 1080 Choral Ensemble (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

	(1)		(0-1)	
	Mus 4791	Advanced Jazz Improvisation II	Select one	
2.	(1)		Mus 1730 and 1740 Group Instruction in Voice I and II (2)	
	Mus 1440	Theory I (3)	Mus 4440	Vocal Pedagogy (2)
	Mus 1450	Theory II (3)		Applied Music 1000 (2)
	Mus 1540	Aural Skills I (1)	Mus 2490	Basic Conducting (2)
	Mus 1550	Aural Skills II (1)	Mus 3010	Basic Improvisation (0-1)
	Mus 2440	Theory III (3)	Mus 3080	University Singers or Choral Society (3)
	Mus 2450	Theory IV (3)	Mus 4480	Choral Conducting (2)
	Mus 2540	Aural Skills III (1)	2.	Theory/Composition Requirements (22)
	Mus 2550	Aural Skills IV (1)	Mus 1440	Theory I (3)
	Mus 4100	Jazz Combo Arranging (1)	Mus 1450	Theory II (3)
	Mus 4110	Instrumentation and Orchestration (3)	Mus 1540	Aural Skills I (1)
	Mus 4170	Arranging for the Large Jazz Band (1)	Mus 1550	Aural Skills II (1)
	Mus 4450	Advanced Tonal Analysis (2)	Mus 2440	Theory III (3)
	Mus 4730	Computer Applications in Music (0-2)	Mus 2450	Theory IV (3)
	Mus 4792	Jazz Theory (2)	Mus 2540	Aural Skills III (1)
3.	Mus 4792	Jazz Theory (2)	Mus 2550	Aural Skills IV (1)
	MuA3500	Jazz History (3)	Mus 4110	Instrumentation and Orchestration (3)
	Mus 4800	Music History from Antiquity through the Baroque Period (3)	Mus 4140	Arranging for Chorus (1)
	Mus 4810	Music History from the Classical Period to the Present (3)	Mus 4730	Computer Applications in Music (0-2)
	Mus 4820	World Music (2)	3.	Music History/Literature Requirements (8)
4.	Mus 4820	World Music (2)	Mus 4800	Music History from Antiquity through the Baroque Period (3)
	Mus 2010	The Music Business for Jazz Musicians (1)	Mus 4810	Music History from the Classical Period to the Present (3)
	Mus 4220	Jazz Ensemble Techniques (2)		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.
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:	4.	Music Education Requirements (27). Students must earn a grade of B or higher in these courses.
	Mus 4770	Advanced Aural Skills I (1)	Mus 3310	Introduction to Music Education (2)
	Mus 4850	Jazz Styles (2)	Mus 3320	(TE) General Music in Early Childhood (3)
			Mus 3330	(TE) General Music in Middle and Secondary Schools (3)
			Mus 3340	(TE) Choral Music in the Schools (3)
			Mus 3350	Techniques of Classroom Instruments (1)
			Mus 4260	Practicum in Music Education (3)
			Mus 4270	Student Teaching in Music (9)
			Mus 4290	Senior Seminar in Music Education (3)
			5.	Professional Education Requirements (9)
			EPSF 2010	Introduction to Educational

- EPY 2050 Issues (3)
Human Growth and
Development (3)
- EXC 2010 Exceptional Children and Youth
(3)
6. Select additional courses to complete a minimum of 128 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.

Music Education (Instrumental) Concentration

- Performance Requirements (23). Depending on performing medium, enrollment in small ensemble may be required.
 - Applied Music 2000 (4)
 - Applied Music 3000 (3)
 - Mus 3000 Recital I (0) (Optional)

Select one course (4)

 - Mus 1060 Wind Ensemble (4)
 - Mus 1070 Orchestra (4)
 - Mus 1080 University Singers or Choral Society (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 2490 Basic Conducting (2)
 - Mus 3010 Basic Improvisation (0-1)

Select one course (3)

 - Mus 3060 Wind Ensemble (3)
 - Mus 3070 Orchestra (3)
 - Mus 3080 University Singers or Choral Society (3)
 - Mus 4490 Instrumental Conducting (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)
- 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 (0-2)
- 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)
 - Music Education Requirements (24). Students must earn a grade of B or higher in these courses.
 - Mus 3270 String Pedagogy (1)
 - Mus 3271 Wind Pedagogy (2)
 - Mus 3310 Introduction to Music
Education (2)
 - Mus 3350 Techniques of Classroom
Instruments (1)
 - Mus 3360 (TE) Instrumental Music in the
Schools (3)
 - Mus 4260 Practicum in Music Education
(3)
 - Mus 4270 Student Teaching in Music (9)
 - Mus 4290 Senior Seminar in Music
Education (3)
 - Professional Education Requirements (9)
 - EPSF 2010 Introduction to Educational
Issues (3)
 - EPY 2050 Human Growth and
Development (3)
 - EXC 2010 Exceptional Children and Youth
(3)
 - Select additional courses to complete a minimum of 128 hours. 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 (Sound Recording) Concentration

- Performance Requirements (21). Depending on performing medium, enrollment in small ensemble may be required.
 - Applied Music 2000 (4)
 - Applied Music 3000 (2)
 - Mus 1100 Concert Attendance (six semesters) (0)

Select one course (4)

 - Mus 1060 Wind Ensemble (4)
 - Mus 1070 Orchestra (4)
 - Mus 1080 University Singers or
Choral Society (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 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 Physics of Music and Speech (3)
 - MTM 3010 Introduction to Music Industry (3)
 - MTM 3040 Practicum (0-2)
 - MTM 3080 Internship (6)
 - MI 3110 Recording Production I (4)
 - MI 3120 Recording Production II (4)
 - MI 3130 Recording Production III (4)
 - MI 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 (Piano) Concentration

1. Performance Requirements (34). Depending on performing medium, enrollment in small ensemble may be required.
 - Applied Music 2000 (6)
 - Applied Music 4000 (12)
 - Mus 3000 Recital I (0)

- Mus 4000 Recital II (0)
 - Select one course (4)
 - Mus 1060 Wind Ensemble (4)
 - Mus 1070 Orchestra (4)
 - Mus 1080 University Singers or Choral Society (4)
 - Mus 1100 Concert Attendance (six semesters) (0)
 - 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)
 - 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 (0-2)
- Select one course (1)
 - Mus 4140 Choral Arranging (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 (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 (Orchestral Instruments or Guitar) Concentration

1. Performance Requirements (35). Depending on performing medium, enrollment in small ensemble may be required.
 - Applied Music 2000 (6)
 - Applied Music 4000 (12)
 - Mus 3000 Recital I (0)
 - Mus 4000 Recital II (0)
 Select one course (4)
 - Mus 1060 Wind Ensemble (4)
 - Mus 1070 Orchestra (4)
 - Mus 1080 University Singers or Choral Society (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 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 (0-2)
 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. Additional Courses (1-2)
 - Mus 3270 String Pedagogy (1) or
 - Mus 3271 Wind Pedagogy (1)
 7. 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 (Organ) Concentration**
1. Performance Requirements (36). Depending on performing medium, enrollment in small ensemble may be required.
 - Applied Music 2000 (6)
 - Applied Music 4000 (12)
 - Mus 3000 Recital I (0)
 - Mus 4000 Recital II (0)
 - Applied Music 1000 (Secondary) (2)
 - Mus 1080 University Singers or Choral Society (4)
 - Mus 1100 Concert Attendance (six semesters) (0)
 - Mus 2490 Basic Conducting (2)
 - Mus 3010 Basic Improvisation (0-1)
 - Mus 3080 University Singers or Choral Society (4)
 - Mus 4200 Service Playing and Church Music Skills (2)
 Select one course (2)
 - Mus 4480 Choral Conducting (2)
 - Mus 4490 Instrumental Conducting (2)
 2. Theory/Composition Requirements (26)
 - Mus 4530 Accompanying (1)
 - 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 (0-2)
 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 (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.	

Performance (Voice) Concentration

- Performance Requirements (41). Depending on performing medium, enrollment in small ensemble may be required.

	Applied Music 2000 (6)
	Applied Music 4000 (12)
	Mus 3000 Recital I (0)
	Mus 4000 Recital II (0)
	Mus 1080 University Singers or Choral Society (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 2490 Basic Conducting (2)
	Mus 3010 Basic Improvisation (0-1)
	Mus 3080 University Singers or Choral Society (4)
	Mus 3100 Opera Workshop (4)
	Mus 4011 Singing in Italian (1)
	Mus 4021 Singing in German (1)
	Mus 4031 Singing in French (1)
	Mus 4041 Singing in English (1)
- 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 (0-2)
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)
	Gmn 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

Majors should complete the following:

- Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
- Area F: Courses Appropriate to the Major, listed below;
- Area G: Major Courses, listed below.

Additional information will be provided by the Associate Director's office and the student's academic adviser in the School of Music.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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)
Mus 1550	Aural Skills II (1)
Mus 1710	Group Instruction in Piano I (or proficiency)

Mus 1720 Group Instruction in Piano II (or proficiency)

Select one:

Mus 1060 Wind Ensemble (4)

Mus 1070 Orchestra (4)

Mus 1080 University Singers or Choral Society (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).

Music Management Concentration

This concentration description includes the 18 hours used in Area F as indicated above.

1. Performance Requirements (15)

* Applied Music 2000 (4)

Select one (4)

Mus 1060 Wind Ensemble (4)

Mus 1070 Orchestra (4)

Mus 1080 University Singers or Choral Society (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 3070 Orchestra (4)

Mus 3080 University Singers or Choral Society (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:

Mus 3970 History of Popular Music (3)

Mus 3810 History of African-American Music (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:

Acct 2102 Principles of Accounting II (3)

CIS 2010 Introduction to Computer-based Information Systems (3)

Econ 2106 Principles of Microeconomics (3)

Econ 3020 Race, Sex, and the Economy (3)

Econ 3040 The Global Economy (3)

Fi 3010 Consumer Finance (3)

Mgt 3500 Management Concepts, Theory, and Practice (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.

3300 Department of Philosophy

530 Art and Humanities Building, 404/651-2277

www.gsu.edu/philosophy

George Rainbolt, Chair

Timothy Renick, Associate Chair, Director of Religious Studies

David Weberman, Director of Undergraduate Studies—Philosophy

Kathryn McClymond, Director of Undergraduate Studies—Religious Studies

Faculty: Almeder, Altman, Arrington, Bell, Blumenfeld, Hall, Herman, Holbrook, Humber, Isleander, Jacobson, Luckhardt, Magee, McClymond, Montero, Rainbolt, Renick, Rieber, Tullos, Weberman, Wellman, Woodhouse

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 religious studies. Departmental majors are urged to consult with their advisers in order to prepare the course of study most appropriate to their individual interests and needs. Philosophy and religious studies minors and all students intending to take departmental courses are invited to discuss their goals and needs with members of the Department of Philosophy. Course descriptions are available in advance for all offerings, and these indicate course content, procedures, texts, requirements, and grading methods. The department maintains an extensive web site, www.gsu.edu/philosophy and www.gsu.edu/religion.

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 Religious Studies

The Department of Philosophy offers a series of courses in religious studies, as well as the opportunity for students to major in the field. Offerings in religious studies, all of which are taught from a nonsectarian perspective, include courses in world religions, religious thought, comparative religious ethics, women and religion, and the history of religions. Students majoring in religious studies have the opportunity to take and have counted toward their major select courses in other departments/schools/institutes in the College of Arts and Sciences including anthropology, history, music, political science, art history, 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.

3300.10 Degree Requirements

Degree Offered:

Bachelor of Arts

Major in Philosophy

Major in Religious Studies

Philosophy majors are required to take Phil 2010, 2050, 3010, and 3020. Religious studies majors are required to take Phil 2010 and RelS 3050 and 3270. Ideally these courses should be taken early in a major's program. Majors must also satisfy additional distribution requirements, as indicated below. All majors planning to attend graduate school should consult closely with their advisers concerning courses appropriate for their anticipated graduate programs.

B.A. in Philosophy

Majors must complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter.
2. Area F: Courses Appropriate to the Major, listed below.
3. Area G: Major Courses, listed below.
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)**Area B: Institutional Options (4)**

The department strongly recommends that philosophy majors take Phil 1010, Critical Thinking, in Area B.

Area C: Humanities and Fine Arts (6)**Area D: Science, Mathematics, and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

- Required Courses (8)

Phil 2010	Great Questions of Philosophy (3)
Phil 2050	Philosophical Thinking (2)
Lang 1002	Elementary Foreign Language II (3)
- Recommended Courses (6)

Lang 2001	Intermediate Foreign Language I (3)
Lang 2002	Intermediate Foreign Language II (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. (4-10)

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:

- 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)
- 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)
- Metaphysics and Epistemology Requirement: Select at least one of the following courses. (3)

Phil 4090	Special 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)

Area H: Minor and Additional Courses

- Students majoring in philosophy are not required to take a minor.
- The department strongly recommends that philosophy majors take the fourth semester of a foreign language as an elective course.

B.A. in Religious Studies**Majors should complete the following:**

- Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
- Area F: Courses Appropriate to the Major, listed below;
- Area G: Major Courses, listed below; and
- Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)**Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics, and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

- Required Courses (6)

Phil 2010	Great Questions of Philosophy (3)
Lang 1002	Elementary Foreign Language II (3)
- Recommended Courses (6)

Lang 2001	Intermediate Foreign Language I (3)
Lang 2002	Intermediate Foreign Language II (3)
- Select additional 1000-level 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 of Philosophy 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:

- Required Courses (6)

RelS 3050	Introduction to Religion (3)
RelS 3270	World Religions (3)
- 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 4780, 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 Offerings

Students who wish to minor in philosophy or religious studies 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.)

Residency Requirement

A minimum of 39 semester hours in courses numbered 3000 or above must be completed in residence at Georgia State University with an average grade of C or higher.

Honors Program

The department encourages qualified students to participate in the Honors Program. (See "Honors Program," previously described.)

3310 Department of Physics and Astronomy

400 Science Annex, 404/651 2279

www.PhyAstr.gsu.edu

William H. Nelson, Chair

David Wingert, Undergraduate Director

Brian Thoms, Undergraduate Director

Faculty: Bagnuolo, Crenshaw, Dietz, Gies, Hastings, He, Henry, Manson, McAlister, Miller, Nave, Nelson, Perera, Stockman, Thoms, Wiita, Wingert

All degree programs described below are built on a core of 21 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 16 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 chair of the Department of Physics and Astronomy or their departmental academic 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 noncalculus-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.

3310.10 Degree Requirements

Degree offered:

Bachelor of Science

Major 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 Premedicine

Majors must complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous chapter;
2. Area F: Courses Appropriate to the Major and all required lower division courses listed below;
3. Area G: Major Courses listed below;
4. Area H: Minor and Additional Courses listed below, if needed.

Area A: Essential Skills (9)

Required course:

Math 1113	Precalculus (or a higher level mathematics course) (3)

Area B: Institutional Options (4)**Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics, and Technology (11)**

Required course:

Math 2211	Calculus of One Variable I (or a higher level mathematics course) (4)

Recommended courses:

Chemistry 1211K and 1212K

Area E: Social Science (12)**Area F: Courses Appropriate to the Major (18)***

- 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)
- Math 2215 Multivariate Calculus (4)*
- 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 1107K	Principles of Biology I (4)
Biol 1108K	Principles of Biology II (4)
Biol 2107K	Foundations of Biology I (4)
Biol 2108K	Foundations of Biology II (4)
Geol 1121K	Introductory Geosciences I (4)
Geol 1122K	Introductory Geosciences II (4)
CSc 2310	Principles of Computer Programming I (3)
CSc 2311	Principles of Computer Programming II (3)

***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 Area G or H.

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 21 hour core of physics courses and the nine hour core of mathematics courses listed below.

Physics Core (21)

- Physics Requirements (17)

Phys 3401	Modern Physics I (4)
Phys 3402	Modern Physics II (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 (3)
Phys 4950	Senior Research (1)
- Select one course. (3)

Phys 3800	Optics (3)
Phys 3850	Statistical and Thermal Physics (3)
- 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:

- Required course (1)

One physics laboratory course at the 4000 level (1)
- Recommended course (3)

Phys 3500	Electronics (3)
- Physics and Astronomy Courses. Select nine hours from the following (9):

Phys 3800	Optics (3) (if not taken above as part of the physics core)
Phys 3850	Statistical and Thermal Physics (3) (if not taken as part of the physics core)
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)	

4. Mathematics and Computer Science Courses: Select one course. (3)

Math 3435	Linear Algebra (3)
Math 4250	Complex Analysis (3)
CSc 4610	Numerical Analysis (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 an academic 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) (if not taken as part of the physics core)
Phys 3850	Statistical and Thermal Physics (3) (if not taken as part of the physics core)
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)	
Math 3435	Linear Algebra (3)
Math 4250	Complex Analysis (3)
CSc 4610	Numerical Analysis I (3)

Premedicine Concentration (19)

In addition to the core set of physics and mathematics courses, the premedicine 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 3800	Molecular Cell Biology (3)
Biol 3240	Human Physiology (3)

3. Electives. Select four hours from the following (4):

Chem 4600	Biochemistry I (5)
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)

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 Neuroscience (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)

Math 3030	Mathematical Models for Computer Science (3)
Math 3435	Linear Algebra (3)
CSc 3210	Computer Organization and Programming (3)
CSc 4210	Computer Architecture (4)
CSc 4230	VLSI Design (4)
CSc 4250	VLSI CAD and Computer Architecture Lab (4)
CSc 4310	Parallel and Distributed Computing (4)
CSc 4620	Numerical Analysis II (3)
CSc 4820	Computer Graphics Algorithms (4)
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 or military science courses. Although not a requirement, the department recommends that physics majors take these courses at the 2000 level or above in mathematics, computer science, chemistry, biology, geology, physics, or astronomy. (Consult with the departmental academic adviser.)

Minor Offerings

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.

Residency Requirement

A minimum of 39 semester hours in courses numbered 3000 or above completed in residence at Georgia State University with an average grade of C or higher is required.

Honors Program

The department encourages qualified students to participate in the Honors Program.

3320 Department of Political Science

1005 General Classroom Building, 404/651-3152
www.gsu.edu/~wwwpol

F. Glenn Abney, Chair

Faculty: Abney, Binford, Calhoun-Brown, Carey, Downs, Duffield, Franklin, Herb, Howard, James-Jones, Lindsay, Manning, McCoy, Naim, Nicholson, Nixon, Peek, Prather, Reimann, Smith, Thomas, Yee

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 affairs, 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 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.

3320.10 Degree Requirements

Degree Offered:

Bachelor of Arts

Major in Political Science

Concentration in General Political Science

Concentration in International Affairs

Concentration in Pre-Law

Concentration in Pre-Education

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

Area F: Courses Appropriate to the Major (18)

1. Required courses (6)

PolS 2401	Global Affairs (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, Lang 2001, Lang 2002, Geog 1101, Geog 2202, Hist 1111, Hist 1112, Hist 2110, Math 1070, Math 1113, Math 1220, Math 2211, Phil 2010, Phil 1010, 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 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)

Prelaw Concentration (27)

1. Prelaw 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	International Criminal Justice (3)
PolS 4427	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 4950A 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 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 Executive (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.

Minor Offerings

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.

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 Executive (3)
3. Select one course	PolS 3200	Comparative Politics (3)
	PolS 3400	International Politics (3)

Residency Requirement

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 of C or higher.

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.

Honors Program

The department encourages qualified students to participate in the Honors Program.

Exchange Program

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.

European Union Studies Certificate

The department provides courses and counseling 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.

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. See Section 8030 in "Additional University Programs" chapter for a detailed description.

3330 Department of Psychology

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www.gsu.edu/~wwwpsy,

Undergraduate Psychology Program: www.gsu.edu/~wwwpsy/undergrad.htm

John de Castro, Associate Chair

Gabriel P. Kuperminc, Undergraduate Advisement Coordinator

Karin R. Banks, Administrative Coordinator/Class

Scheduling

Tenagne Mulugeta, Undergraduate Adviser

Faculty: Adamson, Darnell, Albers, L. Anderson, P.

Anderson, Armistead, Bakeman, Burge, Clarkson, Cook, Dabbs, de Castro, Emshoff, Floyd, Foster, Henrich, Huhman, Jackson, Jurkovic, King, Kuperminc, Lilienfeld, Morris, M., Morris, R., Norris, Parent, Perilla, Peterson, Petrulis, Riso, Robinson, Sehgal, Sevcik, Vanman, Washburn, Watts

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 web site 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.

3330.10 Degree Requirements

Degrees offered:

Bachelor of Arts

Major in Psychology

General Program in Psychology

Concentration in Community Psychology

Bachelor of Science

Major in Psychology

General Program in Psychology

Concentration in Community Psychology

Concentration in Premedicine

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the Major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

The Department offers a general program in psychology plus concentrations 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. See the descriptions of the concentrations (below) for more information. 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.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Recommended course:

Psyc 1100 Natural Science Aspects of Psychology (3)

Area E: Social Science (12)

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)

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 1107K, Biol 1108K, Biol 1110, Biol 1120, Biol 2240, Biol 2250, Chem 1211K, Chem 1212K, Math 1111, Math 1113, Math 1220, Math 2211, Math 2212, Math 2215, Math 2420, Phil 1010, Phys 1111K, Phys 1112K, Phys 2211K, Phys 2212K, Soci 1101

Area G: Major Courses (32)

Before taking upper-division courses, students must have completed 60 hours or have the permission of the instructor. A grade of C or higher is required in all major courses.

All majors must complete the courses in Areas 1, 2, and 3, as specified below. Concentrations have more specific requirements (for more detail 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.

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.

Pre-Education Track in Psychology

Social Studies Education Concentration 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.

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 are concerned about 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)

Psys 4020	Social Psychology (3),
Psys 4510	Community Psychology (3)
2. Select one course. (3)

Psys 4100	Cognitive Psychology (3)
Psys 4110	Physiological Psychology (3)
Psys 4120	Learning (3)
Psys 4130	Sensation and Perception (3)

Area 3: Psychology Program (12)

1. Select one course. (3)

Psys 4240	People in Organizations (3)
Psys 4520	Environmental Psychology (3)

2. Select one course. (3)

Psys 3520	Introduction to African-American Psychology (3)
Psys 4620	Psychology of Women (3)
Psys 4770	Practicum in Psychology (3)
4. Select one additional psychology course at the 3000-level or above. (3)

Premedicine Concentration

Students interested in attending medical school are advised to consider the premedicine concentration. Those wishing to pursue this concentration should be aware that the requirements will differ from those listed in the regular psychology curriculum. The psychology department has a premedicine adviser. For more information on the premedicine 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

1. Students majoring in psychology are not required to take a minor.
2. Additional courses in a department/school/institute other than Psychology must be taken as electives to complete a minimum of 120 semester hours, exclusive of 1000/2000 physical education or military science courses.

Minor Offerings

Students who wish to minor in psychology must take 15-18 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.)

Residency Requirement

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.

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.

3340 Department of Sociology

1041 General Classroom Building, 404/651-2285
www.gsu.edu/~wwwsoc
 Donald C. Reitzes, Chair
 Denise Donnelly, Undergraduate Director
 Faculty: Adelman, Ainsworth, Baunach, Burgess, Cantrell,

Davis, Donnelly, Dressel, Elifson, Gallagher, Ghamari-Tabrizi, Jaret, Kii, Kim, LaRossa, Norwood, Reid, Reitzes, Simonds, Stewart, Stombler, Whittington, Zhan

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 Center.

3340.10 Degree Requirements

Degree offered:

Bachelor of Arts

Major in Sociology

General Program in Sociology

Concentration in Family

Concentration in Race and Urban Studies

Concentration in Gender and Sexuality

Concentration in Gerontology

Concentration in Social Studies Education

Majors should complete the following:

1. Undergraduate Core Curriculum Areas A - E, listed in a previous section of this chapter;
2. Area F: Courses Appropriate to the major, listed below;
3. Area G: Major Courses, listed below; and
4. Area H: Minor and Additional Courses, listed below if needed.

Area A: Essential Skills (9)

Area B: Institutional Options (4)

Area C: Humanities and Fine Arts (6)

Area D: Science, Mathematics, and Technology (11)

Area E: Social Science (12)

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, Lang 2001, Lang 2002, Geog 1101, Hist 1140, Hist 2110, 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)
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

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 U.S. (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)

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, 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)

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 4989 Internship (3)

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 Center, 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)

HHS 4200	Health and the Older Adult (3)
Psyc 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	Social Work with the Aging (3)
4. Select one course. (3)

Anth 4500	Anthropology of Aging (3)
Soci 4122	Death, Dying, and Loss (3)
Soci 4110	Aging Policy and Services (3) (if not taken in section 3 above)
SW 4260	Social Work with the Aging (3) (if not taken in section 3 above).
Spch 4475	Communication and Aging (3)
5. Soci 4910 Gerontology Internship (3)

Social Studies Education (Sociology) 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 Offerings

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.)

Residency Requirement

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.

Honors Program

The department encourages qualified students to participate in the Honors Program. (See "Honors Program," previously described.)

Sociology Club and Honor Society

The department sponsors a Sociology Club and a chapter of Alpha Kappa Delta, the international sociology honor society. The club and honor society serve to stimulate scholarship among their members and all sociology students. Interested students are encouraged to participate. Additional information can be obtained from the club and honor society web page at www.gsu.edu/~wwwakd.

3350 Women's Studies Institute

611 General Classroom Building, 404/651-4633

<http://www.gsu.edu/~wwwwsi>

Linda A. Bell, Director

Faculty: Ball, Cerwonka, Phillips

Women's studies proceed from feminist perspectives that recognize the full humanity of everyone. It recognizes and examines the different ways oppressions like those based on class and race intersect with each other and with gender and the ways these reflect differences in cultures and historical periods as well as various patterns of colonialism and global hegemonies. Being interdisciplinary, women's studies challenges categories, claims, and ways of thinking in traditional disciplines.

Students wishing to concentrate or minor in women's

studies must meet the requirements for the Bachelor of Interdisciplinary Studies degree as described earlier in this catalog. Students should come to the WSI office to complete the application process and receive advisement.

3350.10 Degree Requirements

Degree offered: Bachelor of Interdisciplinary Studies
College-planned Concentration in

Women's Studies

A complete description of the requirements for areas A through E of the undergraduate core curriculum can be found in the "Core Curriculum" chapter of this catalog.

Area A: Essential Skills (9)**Area B: Institutional Options (4)****Area C: Humanities and Fine Arts (6)****Area D: Science, Mathematics and Technology (11)****Area E: Social Science (12)****Area F: Courses Appropriate to the Major (18)**

1. Required Course (3)
 ForL 1002 Elementary Foreign Language II (3)
2. Recommended Courses (15)
 AAS 2010, Anth 2020, PolS 2401, Psyc 2040, Psyc 2070, Soci 1101, Soci 1160, and Spch 2050

Women's Studies Concentration (30)

1. Required Courses (6)
 WSt 2010 Introduction to Women's Studies (3)
 WSt 3010 Feminisms (3)
2. Select one course (3)
 WSt 4920 Senior Research (3)
 WSt 4950 Internship (3)
3. Select seven additional women's studies courses or courses cross-listed with women's studies courses at the 3000 level or above. (21) *

To take WSt 4999 (Directed Reading), WSt 4920 (Senior Research), or WSt 4950 (Internship), students must first receive approval from an academic adviser in the institute. Students are responsible for contacting sites and arranging for their own internships. A list of internship sites is available in the WSI office.

3350.20 Women's Studies

Interdisciplinary Minor (18)

WSt 2010	Introduction to Women's Studies (3)
WSt 3010	Feminisms (3)

Select upper-division electives from WSt courses and courses cross-listed with Women's Studies courses. (12)*

* For a cross-listed course to count as a Women's Studies course, the student must sign up for the section with the WSt prefix.

3360 Graduate Programs

The College of Arts and Sciences, through its Division of Graduate Studies, offers the following graduate degrees: Doctor of Philosophy, Master of Arts, Master of Science, Master of Arts for Teachers, Master of Art Education, Master of Fine Arts, Master of Heritage Preservation, and Master of Music. Degrees are awarded in the following areas:

M.A.: Anthropology, Applied Linguistics, Art History, Communication, English, Modern/Classical Languages (French, German, Spanish), Geography, History, Mathematics, Philosophy, Political Science, Psychology, Sociology and Women's Studies

M.A.Ed.: Art Education

M.A.T.: Mathematics

M.F.A.: Creative Writing, Studio Art

M.H.P.: Heritage Preservation

M.Mu.: Music

M.S.: Biology, Chemistry, Computer Science, Geology, Mathematics, and Physics

Ph.D.: Astronomy, Biological Sciences, Chemistry, Communication, Computer Science, English, Geochemistry, History, Physics, Political Science, Psychology, and Sociology

The College of Arts and Sciences offers graduate certificates in heritage preservation, hydrogeology, Latin American Studies, and translation/interpretation.

3360.10 Graduate Admission Requirements

The following general requirements for admission to the Division of Graduate Studies are:

1. A bachelor's degree from an accredited college with an academic record that reflects superior achievement.
2. Acceptable scores on the Graduate Record Examination.
3. Recommendation for admission by the department/school to which the student applies and approval by the appropriate associate dean.

Application materials for admission to graduate study in the College of Arts and Sciences may be obtained from:

Office of Graduate Studies
College of Arts and Sciences
Georgia State University
University Plaza
Atlanta, Georgia 30303-3088
Telephone: 404/651-2297.

4000 College of Education

(See Section 1500 for Teacher Preparation information.)

4010 Office of the Dean

1000 College of Education Building, 404/651-2525
<http://education.gsu.edu>

Ronald P. Colarusso, Dean

Edith M. Guyton, Associate Dean and Director of Graduate Studies

Gwen Benson, Associate Dean and Director of the Alonzo A. Crim Center for Urban Educational Excellence
William L. Curlette, Director of Research and Director of the Educational Research Bureau

John Fleischmann, College Administrative Officer

4020 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.

4030 Degree Programs

Undergraduate and graduate degree programs are offered through the departments of Early Childhood Education, Kinesiology and Health, and Middle-Secondary Education and Instructional Technology. The departments of Counseling and Psychological Services, Educational Policy Studies, and Educational Psychology and Special Education offer graduate programs only.

Undergraduate degree programs for teachers of mathematics, art, foreign languages, or music are offered by the College of Arts and Sciences.

Bachelor of Science (B.S.)

Exercise Science
Recreation

Bachelor of Science in Education (B.S.Ed.)

Early Childhood Education
Health and Physical Education
Middle Childhood 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 at the University Bookstore (404/651-2155). Graduate

application materials can be obtained by visiting the web site for the College of Education: <http://education.gsu.edu> or calling 404/651-2540.

4040 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.

4050 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.

4050.10 Alonzo A. Crim Center for Urban Educational Excellence

350 College of Education Building, 404/651-1154
<http://education.gsu.edu/cuee/home.htm>

The 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) 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; (2) The Urban Atlanta Coalition Compact, a co-reform effort involving seven metropolitan public schools; (3) Think Tank on African-American Education, meetings of scholars and practitioners to develop research agendas and to discuss difficult issues related to providing excellent education for low income African American children, those children who traditionally have been least-well served by schools; and (4) Educational Expo, a forum for teachers to participate in dialogue with outstanding people who have demonstrated success in

fostering academic excellence for economically disenfranchised children in urban schools. The director of the center is Dr. Gwen Benson.

4050.20 Instructional Technology Center

2nd floor, College of Education Building, 404/651-2457
<http://itc.gsu.edu>

The Instructional Technology Center serves faculty, students, and pre-K through twelfth-grade educators by encouraging and supporting technological confidence and expertise in the areas of teaching, collaboration, and consultation. Computers, peripheral equipment, software, and multimedia programs are available on an open-access basis. The center has a video studio and editing facilities. Faculty may arrange individual demonstrations or instruction in use of software programs and technology.

The center circulates educational materials, including textbooks, CD roms, laserdisc series, and manipulatives. Preview facilities are available. Space is provided for students working on instructional projects.

The Instructional Technology Center also operates a computer lab located on the first floor of the College of Education Building. The labs provide space for scheduled computing classes and technology workshops. Students have free access to the labs when they are not being utilized for classes. The director of the center is Steve Harmon.

4050.30 Child Development Center

Alumni Hall, 30 Courtland St., 404/651-2025
<http://education.gsu.edu/cdc>

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.

4050.40 Speech, Language, Hearing Clinic

8th floor, College of Education Building, 404/651-3627
<http://education.gsu.edu/epse/nw3/3cd/3cd/hc.htm>

The Speech–Language–Hearing Clinic is operated by the Department of Educational Psychology and Special Education to provide practice 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 evaluation and treatment services at their own request. The director of the center is Dr. Debra Schober-Peterson.

4060 Office of Academic Assistance and Graduate Admissions

300 College of Education Building, 404/651-2539
<http://education.gsu.edu/aae>

Jan Hudgins, Director
 Cynthia Curtis, Academic Adviser
 Kim Dean Gibbs, 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.Ed. 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.

4070 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.

4080 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. Therefore, students should familiarize themselves thoroughly with the general information on registration procedures, fees and refunds, academic regulations, and student life and services. All policies, regulations, and requirements explained in preceding sections of this catalog also apply to the College of Education.

4080.10 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 Elisa Tate in the College of Education, 404/651-1011.

4080.20 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. Wayne Urban, Department of Educational Policy Studies, 404/651-2582.

4080.30 Admission to College

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 “Entry into Teacher Education” section of this catalog.

4080.40 Visiting Students

Students currently enrolled in a degree program at another institution who wish to take course work from the College of Education must follow the admissions requirements shown in the “Undergraduate Admissions” chapter of this catalog. Students who wish to take teacher education courses designated “TE” should consult with the Office of Academic Assistance and Graduate Admissions well in advance of the desired term for enrollment and must provide verification of

having met “Entry into Teacher Education” criteria. This documentation must be on file in the Office of Academic Assistance and Graduate Admissions before the student will be allowed to enroll in a TE course. (Not all TE courses are open to visiting students.) Students from other institutions may be enrolled as visiting students at Georgia State University for no more than two academic terms.

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 University.

The acceptance of all transient applications is subject to any limitations set by the departments or programs of study.

4080.50 Petitions and Appeals

There are petition and appeal 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. The student 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 term prior to the term in which the exception is needed.

Petition for Resolution. This petition is for use by students seeking resolution to academic treatment within the College of Education thought by the student to be injurious, unjust, or wrong. A student who believes he or she has suffered academically because of such treatment should contact the department that offers the course or program in which the treatment occurred to obtain a Petition for Resolution form. Within 10 days following the student’s written request, the department chair schedules a meeting with student and professor. The student must submit the 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 petition within 30 calendar days after the first week of classes of the following term.

Appeal Procedure. Any student may appeal to the College of Education Student Affairs Committee for review of a College of Education petition 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, the student contact Dr.

Beth Farokhi, Liaison to the Appeals Panel, Office of the Dean, 404/651-1006, for an appointment.

4090 Faculty

The faculty of the College of Education is organized into six departments. Undergraduate courses are offered by five of these departments.

Specific departments, their locations and telephone numbers, and department chairs and faculty are listed here. Also shown are the prefixes of the undergraduate courses taught by these faculty. Course descriptions appear in the "Course Descriptions" chapter of this catalog. Listed below are faculty members responsible for the design and instruction of College of Education undergraduate courses.

4090.10 Department of Counseling and Psychological Services

950 College of Education Building, 404/651-2550
<http://education.gsu.edu/cps>

Joanna White, Chair

Faculty: Ancis, Arthur, Ashby, Brack, Cadenhead, Chang, Chung, Dew, Dock, Edwards, Hill, Hutchinson, Katrin, Kern, Matheny, Meyers, Mullis, Ripley, Sampson, Siegel, Varjas, Weed, White

Course prefix: CPS

4090.20 Department of Early Childhood Education

550 College of Education Building, 404/651-2584
<http://education.gsu.edu/ece>

Ruth Saxton, Acting Chair

Faculty: Anastasi, Barney, Benham, Carter, Collier, Dangel, DiSario, Galina, Guyton, Hart, Howrey, Jarrett, Johnson, Jordan, Kaufman, Kesner, Lee, Matthews, Meyers, Najee-ullah, Saxton, Smith, Turner, Whittaker-Brown

Course prefix: ECE.

4090.30 Department of Educational Policy Studies

450 College of Education Building, 404/651-2582
<http://education.gsu.edu/eps>

John H. Neel Chair

Faculty: Baez, Boyles, Curlette, Davis, Dobbs, Freeman, Furlow, Gasman, Gowen, Hayashi, Hilliard, Hutcheson, Irvine, Kawulich, Lakes, McGrevin, McWilliams, Neel, Opfer, Oshima, Payton-Stewart, Rogers, Sherman, Talburt, Urban

Course prefix: EPSF.

4090.40 Department of Educational Psychology and Special Education

835 College of Education Building, 404/651-2310
<http://education.gsu.edu/epse>

David B. Center, Chair

Faculty: Alaimo, Alberto, Benson, Center, Colarusso, Dangel, Easterbrooks, Flores, Fredrick, Gallagher, Gorham-Rowan, Greenberg, Hawkins, Heflin, Heller, Hill, Houchins, Irving, Kruger, Laures, Lederberg, O'Rourke, Rambow, Schober-Peterson, Shippen, Smith, Steventon, Thompson, Zabucky

Course prefixes: EPY, EXC.

4090.50 Department of Kinesiology and Health

137 Physical Education Building, 404/651-2536
<http://education.gsu.edu/~wwwkin>

Jeffrey Rupp, Chair

Faculty: Appleberry, Blankenship, Brandon, Calloway, Doyle, Ingalls, Johnson, Metzler, Mushett-Johnson, Nagel, Owen, Pitts, Rupp, Shapiro, Thompson, Tis, Walker

Course prefixes: KH, RCLS.

4090.60 Department of Middle-Secondary Education and Instructional Technology

639 College of Education Building, 404/651-2510
<http://msit.gsu.edu>

Mary P. Deming, Chair

Faculty: Albers, Brown, Burns, Calandra, Clark, Daily, Deming, Dias, Elliott, Fox, Hanna, Harmon, Hatcher, Hutchison, Lee, Lucy, Many, Nosegbe, B. Patterson, N. Patterson, Schaefer, Schultz, Sharpe, Shoffner, Smith, Thomas, Tinker-Sachs, Wang

Course prefixes: EDBT, EDCI, EDLA, EDMT, EDRD, EDSC, EDSS, IT, RGTR, TSLE.

4100 Programs of Study

Undergraduate degrees offered by the College of Education are listed in this section by degree designation and then alphabetically by major. Bachelor of Science in Education (B.S.Ed.) programs are listed first, followed by nondegree, certification only programs, and then Bachelor of Science (B.S.) 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 course work and noncourse work activities may be required based on faculty evaluation of the student's background preparation and his or her demonstration of skills and knowledge.

Course descriptions are listed alphabetically by prefix name then course number in the "Courses Descriptions" chapter of this catalog.

4110 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.

A student who is completing the core curriculum requirements at another unit of the University System of Georgia is encouraged to check the Georgia State University catalog for specific required course prerequisites to maximize the transfer of core credits to apply to the program in which they plan to enroll.

4120 Credit by Examination

A student 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 department to determine eligibility for taking an examination.

The following courses have been approved for credit by examination:

KH 3390	Advanced First Aid and Emergency Care
RCLS 4400	Management and Operation of Recreation Programs and Facilities

Additional courses with the KH or RCLS prefix may be approved for credit by examination. Contact the Department of Kinesiology and Health for a complete list of such courses.

4130 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 the student's adviser, 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.

4140 Bachelor of Science in Education Major in Early Childhood Education Department of Early Childhood Education

Program Theme: Educator as Facilitator

The Early Childhood Education program prepares teachers to work in classrooms with young children in pre-kindergarten through fifth grade. The program reflects research and best practice in the field of early childhood education and teacher education. Graduates are capable of functioning in a variety of educational settings. Successful completion of this program leads to a recommendation for licensure.

4140.10 Program of Study

The student must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum with grades of C or higher. 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.

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.

Area F. Preparation for a Major (18 semester hours)

Students are encouraged to complete Area F prior to admission to teacher education.

Required (15):

EPSF 2010	Introduction to Educational Issues (3)
EPY 2050	Human Growth and Development (3)
EXC 2010	Exceptional Children and Youth (3)
KH 2000	Health and Physical Education for Elementary Teachers (3)
Math 2030	Principles of Mathematics (3) (Math 2030 is a prerequisite for Math 3070)

Select one (3):

- AE 2300 Art and Music for Early Childhood (3)
Mus 2300 Art and Music for Early Childhood (3)

Area G. Major/Teaching Field (47 semester hours)

The student must apply for teacher education prior to beginning course work in Area G of the program. To apply for teacher education, the student must have a minimum 2.75 composite grade point average on all undergraduate course work previously completed; the student must have passed the Praxis I Assessment or presented official scores to demonstrate exemption; the student must have passed the Regents' Test; and the student must complete a writing sample and participate in an interview with program faculty.

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.

Block 1: Required concurrently (14):

- ECE 3010 Introduction to Early Childhood Education (2)
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)

Block 2: Required concurrently (15):

- ECE 3601 Reading and Language Arts in Early Childhood Education I (6)
ECE 3603 Mathematics and Technology in Early Childhood Education I (3)
ECE 3606 Science and Inquiry in Early Childhood Education (3)
ECE 3662 Classroom Management in Early Childhood Education Field Experience II (3)

Block 3: Required concurrently (12):

- ECE 3602 Reading and Language Arts in Early Childhood Education II (3)
ECE 3604 Mathematics and Technology 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)*

* The student must earn a grade of B or higher in ECE 3663.

Required (3):

- Math 3050 Geometry and Spatial Sense (3)

Select one (3):

- Math 3070 Introduction to Probability and Statistics I (3)
Math 3820 Historical and Cultural Development of

Mathematics (3)

Area H. Student Teaching (13 semester hours)

All other program requirements must be satisfactorily completed before the student may begin student teaching.

Required (13):

- ECE 4650 Opening School Experience (1) (Required to successfully complete the first fall semester preceding student teaching.)
ECE 4661 Student Teaching (12)

The student must pass the appropriate Praxis II Assessment prior to graduation.

Total Program: minimum of 120 semester hours

4150 Bachelor of Science in Education

Major in Health and Physical Education

Department of Kinesiology and Health

Program Theme: Educator as Critical and Divergent Thinker

The Health and Physical Education program 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.

4150.10 Program of Study

The student must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. A grade of C or higher is required in all courses listed below in Areas F-G. Semester hours are shown in parentheses following an entry.

Area F. Preparation for a Major (18 semester hours)

Required (18):

- EPSF 2010 Introduction to Educational Issues (3)
EPY 2050 Human Growth and Development (3)
EXC 2010 Exceptional Children and Youth (3)
KH 2130 Introduction to the Allied Fields of Health, Physical Education, and Fitness (3)
KH 2220 Musculoskeletal Function and Human

KH 2230	Performance I (3)
	Musculoskeletal Function and Human
	Performance II (3)

Area G. Major/Teaching Field (48 semester hours)

The student must apply for teacher education prior to beginning coursework in Area G of this program. To be accepted into teacher education, the student must have a 2.75 composite grade point average on all undergraduate coursework previously completed; the student must have passed the three sections of the Praxis I Assessment or presented official scores to demonstrate exemption; and the student must participate in an interview with program faculty.

Content: Required (32):

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 (1)
KH 3400	Curriculum and Assessment in Health and Physical Education (4)
KH 3600	Biomechanics (3)
KH 3610	Motor Learning and Development (4)
KH 3650	Physiology of Exercise (3)
Nutr 3100	Nutrition and Health (3)

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 semester hours)

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).

Tort Liability Requirement: All students must show proof of Tort Liability Insurance 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.

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 120 semester hours

4160 Bachelor of Science in Education

Major in Middle Childhood Education

Department of Middle-Secondary Education and Instructional Technology

Program Theme: Teacher as Facilitator of Learning in a Supportive Environment

The Middle Childhood Education program prepares outstanding middle childhood educators who can meet the needs of young adolescents in today's diverse, highly technological, and changing society. Graduates have a well-developed content knowledge in two fields (language arts, mathematics, science, or social studies), and they are able to construct and implement interdisciplinary instruction creatively.

Successful completion of this program and the appropriate Praxis II Assessment tests leads to a recommendation for licensure for grades four through eight.

4160.10 Program of Study

The student must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum with the recommendations listed in this section. Semester hours are shown in parentheses following an entry.

Area A. Essential Skills

Students who choose mathematics or science as one of their areas of concentration should select precalculus (or a more advanced mathematics course) to fulfill the mathematics requirement.

Area C. Humanities and Fine Arts

Students who choose language arts as one of their areas

of concentration should select Engl 2110 (World Literature (3)), Engl 2120 (British Literature (3)), or Engl 2130 (American Literature (3)) to fulfill three semester hours of the Humanities and Fine Arts requirements.

Area D. Science, Mathematics, and Technology

Students who choose mathematics as one of their areas of concentration should select calculus of one variable (or a more advanced mathematics course) to fulfill three semester hours of the Science, Mathematics, and Technology requirements.

Area E. Social Science

Students who choose social studies as one of their areas of concentration should select either AAS 1140 (Introduction to African and African-American History and Culture (3)), AAS 2010 (Introduction to African-American Studies (3)), Anth 1102 (Introduction to Anthropology (3)), Econ 2105 (Principles of Macroeconomics (3)), Econ 2106 (Principles of Microeconomics (3)), Geog 1101 (Introduction to Human Geography (3)), or Hist 1140 (Introduction to African and African-American History (3)) to complete the Social Science Foundations requirement.

Area F. Preparation for a Major (18 semester hours)

The student must earn a grade of C or higher in each course used to fulfill Area F requirements.

Required (12):

ESPF 2010	Introduction to Educational Issues (3)
EPY 2050	Human Growth and Development (3)
EXC 2010	Exceptional Children and Youth (3)
Math 2030	Principles of Mathematics (3)

Select two (6): With adviser approval, the student selects two additional 1000- or 2000-level courses for a minimum of six semester hours. These courses should contribute to the student's two areas of concentration.

Humanities: English, languages, art history, music, theatre, philosophy
 Mathematics: Math 2212 (Calculus of One Variable II (4)) and Math 2420 (Discrete Mathematics (3)) recommended
 Sciences: astronomy, biology, chemistry, geology, physics
 Social Studies: anthropology, economics, geography, history, political science

Area G. Major/Teaching Field (48 hours)

The student must apply for teacher education prior to beginning coursework in Area G of their program. To be accepted into teacher education, the student must have a 2.50 composite grade point average on all undergraduate coursework previously completed; the student must have passed the three sections of the Praxis I Assessment or presented official scores to demonstrate exemption; the student must have completed Areas A through F of the program of study; and the student must participate in an interview with program faculty.

Required Concurrently (12):

EDCI 3220	Empowering Diverse Learners in the

	Middle Grades (3)
EDRD 3490	Reading Methods for Middle Childhood Education (3)
EDRD 3500	Assessment and Instruction of Middle Childhood Students with Reading Difficulty (3)
IT 3210	Teachers and Technology (3)
Required (6):	
EDCI 4600	Practicum (6)

Select two (6):

EDLA 4400	Concepts and Methods in Language Arts for Middle Childhood Education (3)
EDMT 4460	Concepts and Methods in Middle Childhood Mathematics (3)
EDSC 4470	Concepts and Methods in Middle Childhood Science (3)
EDSS 4480	Concepts and Methods in Middle Childhood Social Studies (3)

Content (24):

In consultation with an adviser, the student selects two areas of concentration from among language arts, mathematics, science, and social studies. Each area of concentration consists of 12 semester hours of coursework numbered 3000 or higher as described below. The student is encouraged but not required to take additional content topic courses in the remaining two areas of concentration to strengthen his or her knowledge base.

Language Arts Concentration (12)

Required (3):

EDLA 3200	Topics in Middle Grades Language Arts (3)

Literature/Folklore. Select one (3):

Engl 3290	English Fiction (3)
Engl 3870	American Fiction (3)
Engl 3910	The Tradition of Children's and Young Adults' 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)
Folk 3000	American Folklore (3)
Folk 4000	Georgia Folklore (3)

(Another course may be selected with adviser's consent.)

Composition. Select one (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	Introduction to Creative Writing (3)

(Another course may be selected with adviser's consent.)

Language. Select one (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)
Spch 3550	Oral Techniques of Group Decision Making (3)
Spch 3750	Intercultural Communication (3)
Spch 4500	Visual Communication (3)
(Another course may be selected with adviser's consent.)	

Mathematics Concentration (12)

Required (9):

EDMT 3350	Topics in Middle Grades Mathematics (3)
Math 3050	Geometry and Spatial Sense (3)
Math 3070	Introduction to Probability and Statistics (3)

Select one (3):

Math 3000	Bridge to Higher Mathematics (3)
Math 3420	Applied Combinatorics (3)
Math 3450	Elements of Number Theory (3)
Math 3820	Historical and Cultural Development of Mathematics I (3)

(Another course may be selected with adviser's consent.)

Science Concentration (12)

Required (12):

NSCI 3001	Integrated Science I: Physics and Astronomy (4)
NSCI 3002	Integrated Science II: Chemistry and Geology (4)
NSCI 3003	Integrated Science III: Geology and Biology (4)

Social Studies Concentration (12)

Required (6):

EDSS 3400	Topics in Middle Grades Social Science/History (3)
Hist 4310	Georgia (4)

North American Studies. Select one (3):

AAS 4640	African-American People (4)
Geog 4400	Geography of the United States and Canada (3)
Hist 3200	North American before 1800 (4)
Hist 3210	United States in the Nineteenth Century (4)
Hist 3220	United States in the Twentieth Century (4)
Hist 4220	The American City (4)
Hist 4270	African-American People (4)

World Studies. Select one (3):

Anth 4010	Ethnicity in the World System (3)
Geog 4760	Cultural Geography (3)
Geog 4762	Economic Geography (3)
Hist 3530	Europe Since 1789 (4)

Hist 4710	China and Japan Since 1600 (4)
Hist 4730	Latin America Since 1810 (4)
Hist 4750	Eastern Africa and the Horn of Africa (4)
Hist 4760	Central and Southern Africa (4)
Hist 4770	Western Africa (4)
Hist 4790	The Middle East Since 1800 (4)
(Another course may be selected with adviser's consent.)	

Area H: Student Teaching (12 semester hours)

Required (12):

EDCI 4700	Student Teaching in Middle Grades (12)

Exit Criteria:

- Successful completion of all school-based work, the reading block, concepts and methods classes, and student teaching, all with grades of B or higher
- Successful presentation of professional portfolio and recommendation of the Middle Childhood Committee

Total Program: minimum of 120 semester hours

4170 Certification Only Programs

4170.10 Trade and Industrial Education Certification Health Occupations Education Certification

Department of Middle-Secondary Education and Instructional Technology

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 nondegree or degree-seeking students. Praxis I 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-Prep (3)
EDBT 3360	Foundations of Management and Safety in Technology, Career-Prep (3)

EDBT 3690	Teaching Practicum in Technology, Career-Prep (3)
EDBT 3700	Teaching Practicum in Technology, Career-Prep (3)
EDBT 3710	Teaching Practicum in Technology, Career-Prep (3)
EDBT 4250	Principles and Practices in Technology, Career-Prep (3)
EXC 2010	Exceptional Children and Youth (3)
Select one (3):	
EDBT 4370	Instructional Management in Technology, Career-Prep (3)
EDBT 4570	Instructional Strategies in Technology, Career-Prep (3)

Total Program: minimum of 24 semester hours

4180 Bachelor of Science

Major in Exercise Science

Department of Kinesiology and Health

The Exercise Science program prepares students for careers in corporate fitness, adult fitness, personal training, cardiac rehabilitation, and related fields. Also, preparation is provided in fitness management, sports skills, and related topics.

4180.10 Program of Study

The student must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. Semester hours are shown in parentheses after an entry.

Area F. Preparation for a Major (18 semester hours)

Required (18):

Econ 2106	Principles of Microeconomics (3)
EPY 2050	Human Growth and Development (3)
IT 2010	Introduction to Microcomputing (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 (54 semester hours)

Required (48): A grade of C or higher is required in all courses listed below.

BusA 2106	The Legal Environment of Business (3)
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	Evaluation and Instrumentation in Physical

	Education (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 4350	Fitness Program Management (3)
KH 4360	Cardiac Fitness Assessment and Rehabilitation Exercise Prescriptions (3)
KH 4390	ECG and Exercise Stress Testing (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)
EPY 4190	Introduction to Behavior Modification (3)
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 Resuscitation Clinical Cardiopulmonary Physiology (CPR) (3)
Soci 1101	Introductory Sociology (3)
Soci 4230	Sociology of Health and Illness (3)

(A student may substitute another appropriate course for any course listed in this section with the consent of his or her academic adviser.)

Area H. Practicum (6 semester hours)

Required (6): A grade of C or higher is required in all courses listed below.

KH 4750	Practicum in Exercise Science I (3)
KH 4760	Practicum in Exercise Science II (3)

Total Program: minimum of 120 semester hours

4190 Bachelor of Science

Major in Recreation

Department of Kinesiology and Health

The Recreation program prepares students for professional careers in a wide variety of leisure service settings. Students with a concentration in Management of Recreation and Leisure Studies typically are prepared to work in public, community, or commercial settings. Students who choose the concentration in Therapeutic Recreation typically are prepared to work in hospitals, clinics, or community-based therapeutic recreation settings. The program prepares the student to take

examinations appropriate to state and national certification.

Recreation students are required to have proof of liability insurance and have a record of current physical examination on file.

4190.10 Program of Study

The student must complete 42 semester hours in Areas A-E of the Undergraduate Core Curriculum. Semester hours are shown in parentheses after an entry.

Area F. Preparation for a Major (18 semester hours)

Required (18):

Biol 1110	Human Anatomy and Physiology I (4)
Biol 1120	Human Anatomy and Physiology II (4)
RCLS 2260	Foundation of Recreation and Leisure Services (4)
Psyc 1101	Introduction of General Psychology (3)
Soci 1160	Introduction to Social Problems (3)

Area G. Major (38 semester hours)

A grade of C or higher is required in all courses listed below.

Required (38): A grade of C or higher is required in all courses listed below.

KH 3050	Performance and Analysis Area V: Outdoors and Adventure Activities (2)
KH 3390	Advanced First Aid and Emergency Care (3)
KH 3650	Physiology of Exercise (3)
RCLS 2350	Introduction to Leadership and Activity Analysis (3)
RCLS 3410	Urban Recreation (3)
RCLS 3490	Introduction to Therapeutic Recreation (3)
RCLS 3500	Therapeutic Recreation, Program Development, and Implementation (3)
RCLS 4350	Group Dynamics (3)
RCLS 4400	Management and Operation of Recreation Programs and Facilities (3)
RCLS 4675	Internship (9)
RCLS 4770	Research and Evaluation in Recreation and Leisure Studies (3)

Area H. Concentration (22 semester hours)

A grade of C or higher is required in all courses listed below.

The student selects one of the following two concentration areas:

Management of Recreation and Leisure Studies

Required (3):

RCLS 3740	Practicum (3)

Select (4):

RCLS 3350	Recreation Professional Competencies (4)

or

Select two of the following with faculty adviser approval:

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 3360	Disability, Sport, and Physical Activity (3)

Select four with consent of adviser (12):

Jour 3500	Public Relations (3)
Jour 4540	Cases and Problems in Public Relations (3)
Jour 4610	Desktop Editing and Publishing (3)
Mgt 3500	Management Concepts, Theory, and Practice (3)
Mgt 4300	Introduction to Human Resource Management (3)
Mgt 4350	Organizing for Effectiveness (3)
Mgt 4370	Introduction to Organizational Communication (3)
Mgt 4390	Compensation (3)
Mk 3010	Basic Marketing (3)
MK 4300	Advertising (3)
PolS 3110	State Government (3)
PolS 3170	American Legislative Process (3)
PolS 3700	Public Administration and Politics (3)
PolS 3750	Public Policy Analysis (3)
PolS 3770	Governmental Budgeting (3)
PolS 3800	Introduction to Political Research (3)
PolS 4115	Urban Politics (3)
Soci 3220	Activism, Protest, and Revolution (3)
Soci 4226	Urban Sociology (3)
Soci 4314	Complex Social Institutions (3)

Elective (3):

Select one three-semester hour elective course with consent of faculty adviser.

Therapeutic Recreation

Required (22):

Psyc 2103	Introduction to Human Development (3)
Psyc 3140	Abnormal Psychology (3)
RCLS 3350	Therapeutic Recreation Professional Competencies (1)
RCLS 4500	Therapeutic Recreation Clinical Skills I: Physical Medicine and Rehabilitation (3)
RCLS 4501	Therapeutic Recreation Clinical Skills I: Lab (2)
RCLS 4510	Therapeutic Recreation Clinical Skills II: Mental Health and Psychiatry (3)
RCLS 4511	Therapeutic Recreation Clinical Skills II: Lab (2)
RCLS 4520	Therapeutic Recreation Clinical Skills III: Community (3)
RCLS 4521	Therapeutic Recreation Clinical Skills III: Lab (2)

Total Program: minimum of 120 semester hours

4200 Graduate Degree Programs

The College of Education offers the following graduate degree programs:

Master of Education: Behavior/Learning Disabilities (Emotional and Behavioral Disorders, Learning Disabilities, Mental Retardation, Interrelated Special Education); Communication Disorders; Early Childhood Education—Alternative Preparation Program; Educational Leadership; English Education; English Education—Alternative Preparation Program; Health and Physical Education; Mathematics Education; Mathematics Education—Alternative Preparation Program; Middle Childhood Education (Health, Language Arts, Mathematics, Science, Social Studies); Multiple and Severe Disabilities (Behavior Disorders, Hearing Impairment, Interrelated Special Education/Early Childhood, Mental Retardation, Orthopedic Impairment); Reading, Language, and Literacy Education (Reading Instruction, Teaching English as a Second Language); School Counseling (Elementary/Middle School Counseling, Secondary School Counseling); School Psychology; Science Education; Science Education—Alternative Preparation Program; Social Studies Education; Social Studies Education—Alternative Preparation Program.

Master of Library Media: Library Media Technology

Master of Science: Educational Psychology; Educational Research (Computer Applications, Institutional Research, Measurement, Policy Research, Program Evaluation, Qualitative Research, Statistics, Survey Research); Exercise Science (Fitness and Health Promotion, Exercise Physiology, Occupational and Sport Biomechanics); Instructional Technology; Professional Counseling; Rehabilitation Counseling; Social Foundations of Education; Sports Administration (School, College, and Professional Sports Management; Facilities Management; Sports Club 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; Special Education (Applied Behavior Analysis, Assistive Technology, Research-based Instruction); Teaching and Learning (Art Education, English Education, 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; Counseling Psychology; Early Childhood Education; Education of Students with

Exceptionalities (Behavior Disorders, Learning Disabilities, Mental Retardation, Orthopedic Impairments, Special Education/Early Childhood Education, Sensory Impairments); Educational Policy Studies (Educational Leadership; Higher Education; Research, Measurement, and Statistics; Social Foundations of Education); Educational Psychology; Instructional Technology (Alternative Delivery Systems, Consulting, Instructional Design, Library Media Technology, Management, Research); School Psychology; Sport Science (Biomechanics, Exercise Physiology, Physical Rehabilitation Science); Teaching and Learning (Language and Literacy Education, Mathematics Education, Middle Grades 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/aae/index.htm> 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 Office of the Dean

855 Urban Life Center, 404/651-3030,
<http://chhsweb.gsu.edu>

Susan J. Kelley, Dean
Carolyn C. Kee, Associate Dean for Research
Christine Rosenbloom, Associate Dean for Academic Affairs

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, through distance learning, 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.

5020 Accreditation

The baccalaureate program in the School of Nursing is approved by the Georgia Board of Nursing and is accredited by the National League for Nursing and the Commission on Collegiate Nursing Education. The Commission on Accreditation of Allied Health Education Programs accredits the baccalaureate program in the Department of Cardiopulmonary Care Sciences in collaboration with the Committee on Accreditation for Respiratory Care. The Didactic Program in Dietetics in the Department of Nutrition is currently granted initial accreditation 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.

5025 Programs of Study

At the undergraduate level, the College of Health and Human Sciences offers a Bachelor of Science degree with

programs in criminal justice, nursing, nutrition and dietetics, and respiratory care, and a Bachelor of Social Work degree.

5030 Office of Academic Assistance

845 Urban Life Center, 404/651-3064

Rebecca C. Cain, Director
William R. Andrews, Senior Academic Adviser
David Lowery, Academic Adviser
Tammy L. Tebo, Academic Adviser
Leigh Walling, Senior Academic Adviser

The Office of Academic Assistance assists and supports programs in the College of Health and Human Sciences by providing academic advisement for students in the college. Advisers in the office assist students in course selection and schedule revisions and provide information concerning college and university policies and procedures. Advisers also counsel students and applicants on admission to the undergraduate professional programs and graduate programs in the college.

5040 Academic Advisement

Students in the College of Health and Human Sciences receive advisement from faculty members in their department or school as well as from advisers in the Office of Academic Assistance. Students in a pre-professional program status are generally advised in the Office of Academic Assistance until entry into the professional program when they are advised in the department or school. In the Office of Academic Assistance, 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 periods of registration when appointments are assigned.

5050 Admission Requirements

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 department or school is required for acceptance into the professional program. An exception to this is for students majoring in criminal justice. No separate admission is required for completion of this program.

The professional programs in nursing, nutrition and dietetics, respiratory care, and social work begin annually in the fall semester only. Admission to these programs is highly competitive, and students are encouraged to inquire about admission criteria, policies, and deadlines as soon as possible.

It is highly recommended that a student wishing to enter the programs in nursing, nutrition and dietetics, and respiratory care take one year of biology and one year of chemistry in high school.

Applicants for admission to the professional programs in nursing, nutrition and dietetics, respiratory care, 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 departments/schools 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 separate school or department may require other, more specific, technical abilities in its consideration of candidates for admission to its program.

5060 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 Student Advisement Center, the Office of Academic Assistance, and, if appropriate, the school or department concerned. The amount of such transfer credit shall not exceed that allowed by the Office of Admissions of the university. 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.

5070 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 University. Please consult the "Academic Regulations" section of this catalog for additional regulations pertaining to transient status.

5080 Clinical Course Work

As part of the degree completion requirements for some of the Georgia State University 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.

5090 Graduation Requirements

No more than 12 semester hours of the course work accepted toward fulfillment of degree requirements may carry a grade of D. 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 2.0 grade point average is required for graduation.

Any deviations from catalog requirements are unauthorized except by approval of the department/school or by written petition filed through the Office of Academic Assistance and properly approved by the appropriate committee.

5100 Student Appeals Procedure

The appeals procedures for students in the College of Health and Human Sciences are available in the Office of Academic Assistance. 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.

5110 Honors

The schools and departments 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.

5120 Undergraduate Core Curriculum

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.

5120.10 Recommendations

Area B: Institutional Options: It is recommended that nursing majors take Phil 1010 and Spch 1000.

Area C: Humanities and Fine Arts: It is recommended that nursing majors take Phil 2010 and Spanish.

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 1107K-1108K. If not, Biol 1107K or Biol 1110 must be taken in Area H electives.

Area E: Social Sciences: It is strongly recommended that nursing majors take Psyc 1101 as the social foundations selection.

5130 Department of Cardiopulmonary Care Sciences

C1 Kell Hall, 404/651-3037

www.gsu.edu/chhs/dept/card/

Joseph L. Rau, Chair

Cindy D. Powell, Medical Director

Faculty: Deshpande, Gardenhire, Petty, Rau, Restrepo, Thomas-Goodfellow

5130.10 Program in Respiratory Care

Respiratory care 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 Department of Cardiopulmonary Care Sciences 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 overall purpose of the Department of Cardiopulmonary Care Sciences 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 care 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). The program is fully accredited by the Committee on Accreditation for Respiratory Care (CoARC).

5130.20 Departmental Requirements

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 department 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 department and will be given to all entering students.

Although respiratory therapy courses are intended to be taken by students majoring in the Department of Cardiopulmonary Care Sciences, selected courses may be taken by nonmajors with written permission of the instructor of each course and the department chair. All professional courses involving a component of clinical training are open only to professional program majors.

5130.30 Admission Requirements

Admission to the Department of Cardiopulmonary Care Sciences 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 Department of Cardiopulmonary Care Sciences. 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 care, 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 Department of Cardiopulmonary Care Sciences is limited and, therefore, early application is advisable. Applications are accepted through the summer 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.

Students who are graduates of CoARC-approved A.S. degree programs may apply for advanced standing to the B.S. degree program.

The Department of Cardiopulmonary Care Sciences has a comprehensive advanced standing policy. 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.

5130.40 Curriculum in Respiratory Care

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 Department of Cardiopulmonary Care Sciences strongly recommends the following courses in Area D.

Area D: Chemistry 1151K and 1152K as the lab science sequence.

Area F: Courses Related to the Program of Study (18)

Biol 1110K	Human Anatomy and Physiology I
1120K	& II (8)
Biol 2300	Microbiology and Public Health (3)
Phys 1111K	Introductory Physics I (4)
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 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	Professional Practice of Respiratory Care (3)
RT 4080	Pediatric Respiratory Care (1)
RT 4081	Neonatal Respiratory Care (3)
RT 4085	Rehabilitation and Home Care in Pulmonary Disease (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)
HHS 3500	Research Methods: Concepts and Techniques (3)

TOTAL = 126 semester hours

5140 Department of Criminal Justice

1281 Urban Life Center, 404/651-3515
www.cjgsu.net

Michael S. Vaughn, Chair
Faculty: Blackwell, Camp, Collins, Dabney, Eschholz,
Finn, Friedmann, Reed, Taylor, Terrill, Topalli, Vaughn

The term “criminal justice” refers to police, courts and corrections as a system for the administration of city, county, state, and federal laws. 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 the wide range of agencies that make up the criminal justice and juvenile justice systems.

The primary focus of study is the justice system itself. 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. A student should complete the lower-division core curriculum requirements prior to taking upper-division courses.

5140.10 Program Policies

1. A grade of C or higher is required in all undergraduate criminal justice courses taken at Georgia State.
2. A minimum 2.00 cumulative grade point average at Georgia State is required to register for 3000/4000-level criminal justice courses. There are no exceptions to this policy.
3. A minimum of 51 semester hours of the total number of hours counted toward graduation must be in courses numbered 3000 and above.
4. A minimum of 54 semester hours (18 courses) must be completed at Georgia State in courses with a criminal justice designation (including HHS 3000, but **not** including CrJu 1100). Students with approved criminal justice transfer credits must complete a minimum of 51 semester hours (17 courses) in these same courses at Georgia State.
5. 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).
6. 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.
7. 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.

5140.20 Transfer Credit Policies

1. Transfer credit for Areas A-F (lower division) will be evaluated by the Student Advisement Center and the

college's Office of Academic Assistance in accordance with core curriculum requirements of the University System. Transfer credit for Areas G through L (upper division) will be considered only in relation to catalog requirements as determined by the Department of Criminal Justice.

2. A maximum of nine semester hours of criminal justice transfer credit may be used in Areas G through L, but only for transfer courses that the department determines to be equivalent to criminal justice offerings in those areas. Requests for transfer credit in criminal justice courses must include the syllabus for the course in which credit is requested. Students with approved criminal justice transfer credits must complete a minimum of 51 semester hours at Georgia State in courses with a criminal justice designation (including HHS 3000, but not including CrJu 1100).

5140.30 Curriculum In Criminal Justice

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 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 from A-E (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 4910	Selected Legal Issues in CJ (3)

Area J: Systems Issues (9); select three

CrJu 3030	Criminal Justice Planning (3)
CrJu 3350	Correctional Institutional Systems (3)
CrJu 4060	Ethics in Criminal Justice (3)
CrJu 4210	Juvenile Justice System (3)
CrJu 4230	Prevention and Correctional Strategies for Juvenile Offenders (3)

CrJu 4350	Correctional Alternatives (3)
CrJu 4500	Criminal Justice Management (3)

Area K: Perspectives (6); select two

CrJu 3070	Race and the Criminal Justice System (3)
CrJu 4010	Gender in Criminal Justice (3)
CrJu 4030	Origins of Criminal Justice (3)
CrJu 4040	Comparative Criminal Justice (3)
CrJu 4420	Crime Typologies (3)
CrJu 4920	Community Policing (3)
CrJu 4950	Critical Thinking about Criminal Justice Research (3)
CrJu 4960	Domestic Terrorism (3)

Area L: Criminal Justice Electives (9-12)

Select any criminal justice courses not being used in Areas I-K, or any criminal justice courses listed below. Students may choose to take up to two courses outside the Department of Criminal Justice if the minimum hours in criminal justice courses at Georgia State University have been satisfied.

A minimum of 54 semester hours (18 courses) in CrJu courses at Georgia State University is required. Students who transfer to Georgia State University with criminal justice courses are required to take 51 hours (17 courses) of CrJu courses at Georgia State University. The minimum hours for both groups include HHS 3000, but not CrJu 1100.

Select three courses if CrJu 4940 is taken for six semester hours of credit. Select four courses if CrJu 4940 is taken for three semester hours of credit.

CrJu 3210	Juvenile Delinquency (3)
CrJu 4080	Crime and the Media (3)
CrJu 4110	Principles of Investigation (3)
CrJu 4360	Counseling & Supervising Offenders (3)
CrJu 4410	Advanced Criminology (3)
CrJu 4430	Crime at Work
CrJu 4900	Selected Topics in Criminal Justice (3)
CrJu 4990	Readings in Criminal Justice (3)

Area M: Capstone: Internship (6-9)

CrJu 4930	Internship Seminar (3)
CrJu 4940	Field Instruction (3-6)

TOTAL = 120 semester hours

5150 School of Nursing

960 Urban Life Center, 404/651-3040
www.gsu.edu/nursing

Alice S. Demi, Director

Faculty: Bacon, Baldwin, Browning, Carmon, Demi, Dri, Gaines, Gebhardt, Goodwin, Grantham, Grindel, Hewell, Howell, Jones, Kee, Kelley, McGehee, Minick, Pittman, Quinn, Ruchala, Sipe, Weston, Williams, Wold

5150.10 Undergraduate Program

The 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, the graduate becomes eligible to write the National Council Licensure Examination required for becoming a registered professional nurse. Due to the sequence of nursing courses, the student must enter these courses in the fall semester.

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 policy. 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) must be completed within seven years prior to enrollment in Nurs 3810/3820. 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 carefully 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 adviser.

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. The student will be expected to provide 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 student handbook. Degree requirements must be completed in order to meet the eligibility requirements for writing the professional nurse licensure examination.

5150.20 Accreditation

The baccalaureate program of the School of Nursing is approved by the Georgia Board of Nursing and the baccalaureate and master's programs are accredited by the

National League for Nursing and the Commission on Collegiate Nursing Education.

The School of Nursing maintains membership in the Council of Member Agencies of the Baccalaureate and Higher Degree Programs of the National League for Nursing, Southern Council on Collegiate Education for Nursing of the Southern Regional Education Board, and the American Association of Colleges of Nursing.

5150.30 Honors and Awards

Students may graduate with honor in the 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 a 3.5 overall average in those courses required for the Bachelor of Science degree in nursing, and a 3.67 average or its equivalent in the nursing courses. These recipients will receive a certificate suitable for framing.

The Merle Lott Scholarship is given to a Public Health Nurse who is returning to school in the RN-BS or RN-MS program. This graduate is expected to work in the Public Health arena.

The School of Nursing is a member school in the nursing honor society Sigma Theta Tau International. Georgia State University is the home of the Epsilon Alpha Chapter. The Sigma Theta Tau Academic Achievement Award is presented annually by the Epsilon Alpha Chapter to the graduating generic and registered nurse nursing student who has maintained the highest scholastic average upon completion of the baccalaureate program.

5150.40 Admission Requirements

The student must meet the general admissions 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.

Acceptance to the nursing program is determined by May 31 for fall semester enrollment in nursing courses. Two program options are available in the undergraduate nursing program: the basic option and the accelerated option. The basic 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.

Basic Option Requirements. The following courses are prerequisites, which must be completed before entering the basic option in the fall 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 OR Phys 111K, Phys 112K (Introductory Physics 1 & 2) OR Biol 1107K, Biol 1108K (Principles of Biology 1 & 2)

It is recommended that Nurs 2010 be taken before beginning the nursing courses, but it is not required.

Requirements for admission to the basic option include the following:

1. Acceptance to Georgia State University.
2. Completion of prerequisite courses.
3. A minimum grade point average of 2.50. Higher grade point averages receive preference for admission.
4. A nursing entrance exam.
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 "Intent to Enroll/Application" form.
8. Answers to a short list of questions that are included with the "Intent to Enroll/Application" form.

Accelerated Option Requirements. The accelerated option requires the following prerequisites, in addition to those listed for the basic option, be completed before entering the fall semester:

- All core curriculum requirements, Areas A-E
- Biol 1110K, Biol 1120K (Anatomy & Physiology 1 & 2)
- Biol 2300, Biol 2310 (Microbiology with lab)
- Psyc 3140 (Abnormal Psychology)

It is recommended that Nurs 2010, HHS 3000, and HHS 3500 be taken before beginning the nursing courses, but it is not required.

Requirements for admission to the accelerated option include the following:

1. Acceptance to Georgia State University.
2. Completion of prerequisite courses.
3. A minimum grade point average of 2.8 for applicants already holding a bachelor's degree; a minimum grade point average of 3.0 for applicants who do not yet hold any bachelor's degree. Higher grade point averages receive preference for admission.
4. A nursing entrance exam.
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 "Intent to Enroll/Application" form.
8. Answers to a short list of questions that are included with the "Intent to Enroll/Application" form.

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.

To be considered for admission to the first nursing courses, all students must complete a nursing entrance exam and submit an application by April 1 prior to the fall semester in which he or she wishes to begin nursing courses. Applications received by January 2 will receive early consideration. Application forms are available October 1 in the Office of Academic Assistance, College of Health and Human Sciences, 845 Urban Life Center, 404/651-3064. Information on the nursing entrance exam may be obtained from the Office of Records and Information in the School of Nursing, 404/651-3040. The cost of the exam is the applicant's responsibility. Acceptance letters are mailed by May 31.

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.

Upon receipt of an acceptance letter from the School of Nursing, the student will be required to meet with the Office of Records and Information and to complete required forms and health-related requirements prior to fall semester entry. 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. The cost of cardiopulmonary resuscitation certification and liability insurance is the student's responsibility.

Clinical practice will require that the applicant obtain student uniforms that meet School of Nursing standards. The cost of lab supplies is the responsibility of the student.

All registered nurse students must hold a current Georgia R.N. license for admission to the nursing sequence. More specifics about the admission process may be obtained from the Office of Academic Assistance, College of Health and Human Sciences.

5150.50 Advanced Placement for Registered Nurses (RN to BS Bridge Program)

The undergraduate nursing program at Georgia State University has a mechanism for advanced placement of registered nurses in the generic baccalaureate program. The program is approved by the Georgia Board of Nursing and is accredited by the National League for Nursing and the Commission on Collegiate Nursing Education. The purpose of the advanced placement for registered nurses is to increase the opportunities for registered nurses to obtain the baccalaureate degree in nursing.

Eligibility

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 profes-

sional 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 2.5.
6. Upon receipt of an acceptance letter from the School of Nursing, the student will be required to meet with the Office of Records and Information and to complete required forms and health-related requirements prior to entry into the nursing sequence.
7. The following prerequisites need to 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.

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. The cost of the cardiopulmonary resuscitation certification and liability insurance is the student's responsibility.

Professional Courses

Credit is given for the following nursing (Nurs) courses based on the R.N. license: Nurs 2040, Nurs 2060, Nurs 2061, Nurs 2080, Nurs 2160, Nurs 3510/3520, Nurs 3610/3620, Nurs 3710/3720, Nurs 3810/3820. Credit is also given for HHS 3000 and Nutr 3200.

The following courses, totaling 30 semester hours of credit, must be taken at Georgia State (each course must be completed with a grade of C or higher): Nurs 3980, Nurs 4490, Nurs 3910/3920, Nurs 4600, Nurs 4610, Nurs 4620, HHS 3300, HHS 3500 and an approved advanced 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 30 of those 39 hours in the required nursing and HHS courses and elective course.

Course Work

The applicant must meet the requirements for core, support, and professional courses. The requirements for these courses may be met in one of the following ways:

1. The student may transfer credits as deemed acceptable by the university and the Office of Academic Assistance, College of Health and Human Sciences;
2. The student may take CLEP examinations to meet a

course requirement when applicable;

3. The student may take these courses at Georgia State University.

Core Courses

These courses meet general university core course requirements and require a grade of C or higher: Engl 1101, Engl 1102, Math 1111 or Math 1101, Biol 1110K, Biol 1120K, Chem 1151K, Chem 1152K (recommended in Area D), Biol 2300/2310, Psyc 1101 (recommended in Area E), and Nurs 2010.

Support Courses

These courses have been selected to facilitate the student's learning experiences in nursing courses: Phil 1010 and Spch 1000 (recommended courses in Area B), Hist 2110, PolS 1101, Psyc 3140*, one course from Hist 1111, 1112, Econ 2100, or PolS 2401, Statistics* (Psyc 3010 or Soci 3010 or Math 1070), Phil 2010 and Span 1002 (recommended courses in Area C). Courses followed by an asterisk (*) must be completed with a grade of C or higher.

5150.60 Academic Policies

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. The failure of the repeated course or second nursing or allied field course results in termination from the program. If a student fails (unsatisfactory in clinical) either course of a didactic/clinical nursing course sequence, the course failed must be successfully completed prior to advancing to any other didactic/clinical nursing course sequence.

The 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 meet all assignments promptly.

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 beginning of the last semester in which a clinical course is taken. 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. Costs for all testing are the financial responsibility of the student. An evaluation packet is required and must be completed in the final semester of the program.

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.

5150.70 Curriculum In Nursing

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 and Spch 1000 are recommended

Area C: Phil 2010 and Spanish are recommended

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	Human Anatomy and Physiology I & II (8)
1120K	
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 Skills (6)
Nurs 3510	Promoting, Protecting and Restoring Health in Adult Populations (3)
Nurs 3520	Practicum in Promoting, Protecting and Restoring Health in Adult Populations (2)
Nurs 3610	Promoting, Protecting and Restoring Health in Mothers and Newborns (3)
Nurs 3620	Practicum in Promoting, Protecting and Restoring Health in Mothers and New-

	borns (2)
Nurs 3710	Promoting, Protecting and Restoring Health in Children and Adolescents (3)
Nurs 3720	Practicum in Promoting, Protecting and Restoring Health in Children and Adolescents (2)
Nurs 3810	Promoting, Protecting and Restoring Mental Health in Populations (3)
Nurs 3820	Practicum in Promoting, Protecting and Restoring Mental Health in Populations (2)
Nurs 3910	Promoting, Protecting and Restoring the Health of Communities and in Alternative Settings (4)
Nurs 3920	Practicum in Promoting, Protecting and Restoring the Health of Communities and in Alternative Settings (2)
Nurs 4600	Transition into Professional 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)
HHS 3300	Human Services Policy, Planning and Trends (3)
HHS 3500	Research Methods: Concepts and Techniques (3)
Nutr 3200	Introduction to Clinical Nutrition (2)
Psyc 3140	Abnormal Psychology (3)

TOTAL = 123 semester hours

5160 Department of Nutrition

864 Urban Life Center, 404-651-3085

www.gsu.edu/nutrition

Jana R. Kicklighter, Chair

Faculty: Baxter, Benardot, Cody, Henderson, Hopkins, Jonnalagadda, Kicklighter, O'Leary, Roman, Rosenbloom, Summers, Thompson

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. This major is currently granted initial accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association (CADE), 216 W. Jackson Blvd., Chicago, IL 60606-6995, 312-899-5400. The DPD makes graduates eligible for any dietetic internship accredited by the CADE, the completion of which permits the taking of the national examination to become a registered dietitian. A dietetic internship, also granted initial accreditation, is available in the Department of Nutrition. Graduates of the department's DPD will be given priority for the internship if they meet eligibility requirements. Contact the department 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.

5160.10 Admission Requirements

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 concentration at the beginning of the fall semester of the junior year.

Before being formally admitted to the DPD, students must have completed prerequisite courses and have applied to the department. Application packets will be available in February of each year and must be returned to the Office of Academic Assistance, College of Health and Human Sciences by May 1. 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 of a 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.

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 nutrition courses. If the GPA drops below a 2.5 or a letter grade of C is not received in science or nutrition 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 nutrition class. Students are required to purchase consumable materials

in some laboratory courses.

5160.20 Curriculum In Nutrition

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 Department of Nutrition strongly recommends the following specific courses in Area D:

Area D: Chemistry 1151K and 1152K as the lab science sequence

Area F: Courses Related to the Program of Study (18)

Select one two-course biology sequence (8):

Biol 1110K Human Anatomy and Physiology I (4)

Biol 1120K Human Anatomy and Physiology II (4)

or

Biol 1107K Principles of Biology I (4)

Biol 1108K Principles of Biology II (4)

Additional requirements (10):

Biol 2240 Human Physiology (3) (If Biol 1110K-1120K is taken in the above requirement, a three-hour elective may be taken in place of Biol 2240.)

Biol 2300 Microbiology and Public Health (3)

Biol 2310 Microbiology and Public Health Lab (1)

Elective Computer Course Recommended (3)

Area G: Major (57)

College Core (9)

HHS 3000 Communication/Cultural Diversity (3)

HHS 3400 Spanish for Health and Human Sciences (3)

HHS 3500 Research Methods: Concepts and Techniques (3)

Nutrition Courses (45)

Nutr 3000 Introduction to the Profession of Nutrition (1)

Nutr 3100 Nutrition and Health (3)

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 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 3700 Medical Biochemical Principles (3)

Nutrition Electives (6). Choose two courses:

Nutr 3170 Food Safety and Sanitation (3)

Nutr 4960	Nutrition and Physical Fitness (3)
Nutr 4970	Nutrition and the Media (3)
Nutr 4980	Geriatric Nutrition (3)
Nutr 4990	Entrepreneurial Nutrition (3)

TOTAL = 120 semester hours

5170 School of Social Work

1027 Urban Life Center, 404/651-3526; fax: 404/651-1863
<http://chhsweb.gsu.edu/socialwork>

James L. Wolk, Director

Faculty: Beck, Bennett, Brooks, Diwan, East, Johnson,
 Ligon, Littrell, Lyons, Norrington, Park, Wertheimer,
 Whitley, Wolk

The purpose of social work education is to prepare competent, effective social work professionals who are committed to practice that includes service to the poor and oppressed, and who work to alleviate poverty, oppression, and discrimination. Social work education is based upon a specific body of knowledge, values, and professional skills. It 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.

5170.10 Admission and Student Categories

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. File a formal application in the school for BSW status.
2. Have grades of C or higher in English 1101 and 1102.
3. Have successfully completed Areas A through F (except SW 2000).
4. 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.

5170.20 Academic Advisement

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.

5170.30 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.

5170.40 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.

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

BSW students are required to maintain at least a grade of “C” (2.0) or better in each of the social work major courses, which are contained in Area G. Social work course(s) in which a grade below a “C” was earned must be retaken. Please be advised that due to course sequencing if this situation occurs, the initial graduation date may have to be postponed. BSW students must also successfully 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.

5170.50 Curriculum in Social Work

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 Social Work recommends the following specific courses in Area D.

Area D: Biol 1107K and 1108K as the lab science sequence. If not taken, Biol 1107K 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 (39)

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 4930 Practicum I (6)
SW 4940 Practicum II (6)
HHS 3000 Communication/Cultural Diversity (3)

Social Work Electives (9). Choose three courses from the following:

SW 4250 Child Abuse and Neglect (3)
SW 4260 Social Work with the Aging (3)
SW 4270 Social Work in Substance Abuse (3)
SW 4280 Community Resources and Case Management In Social Work (3)
SW 4290 Issues in Child Welfare (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 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) from the 3000 or 4000 level.

TOTAL = 120 semester hours

5180 Graduate Programs

The College of Health and Human Sciences offers the following graduate degree programs.

Master of Physical Therapy

Master of Science

Criminal Justice
Health Sciences: Nutrition, Physical Therapy, Respiratory Care
Nursing: Adult Health CNS, 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

Certificate of Public Health

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 can be received from:

Office of Academic Assistance
College of Health and Human Sciences
Georgia State University
Atlanta, GA 30303-3083
Telephone: 404/651-3064
Location: 845 Urban Life Building
E-mail: chhs-oaa@gsu.edu

6000 College of Law

The College of Law does not offer any undergraduate programs. Interested students should consult the graduate catalog for further information.

7000 J. Mack Robinson College of Business

7010 Office of the Dean

7th floor, Robinson College of Business Building
35 Broad Street, 404/651-2601
robinson.gsu.edu
Sidney E. Harris, Dean
H. Fenwick Huss, Associate Dean
Jane F. Mutchler, Associate Dean for Master's Programs
W. Preston Wilson, Associate Dean for Executive Programs
Ralph E. Kahlman, College Administrative Officer
Teresa W. Johnson, Assistant Director, Academic Administration

7020 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.

7030 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.

7040 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.

7050 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.

7060 Bachelor's Degree Offered

The Robinson College of Business offers the Bachelor of Business Administration with eleven 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.

7070 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/oaa/index.html>

Gary A. Miller, Acting Director
Joyce A. Cox, Senior Undergraduate Counselor
Tracy Ivery, Undergraduate Counselor
Leah R. Moody, Undergraduate Counselor
Demetrix Rostick, Undergraduate Counselor

Students should regularly consult the following web site 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/oaa/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 promoting the college to prospective undergraduate students and 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 3 p.m. - 4 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.

7080 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 counselors 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 counselor.

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.

7090 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.

7100 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.

7110 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 or e-mail Dr. Nancy R. Mansfield, BLC Faculty Adviser and Associate Professor of Legal Studies at 404/651-2717 or nmansfield@gsu.edu.

7120 Tutorial Facilities

Accounting Tutorial Lab: The School of Accountancy and Beta Alpha Psi sponsor tutorial assistance to students enrolled in Acct 2101 and Acct 2102. Student tutors are available at scheduled times during the semester to supplement and complement classroom instruction. The schedule is available each semester from the Acct 2101-2102 instructors and from the School of Accountancy. Beta Alpha Psi can be contacted at 404/659-1272.

Other 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.

7130 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.

7140 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 counselor 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.

7150 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.

7160 Honors Program

An honors program is offered by the College of Arts and Sciences. Students in the Robinson College of Business who meet the entrance requirements may be eligible to participate in this program. For more information, refer to the "Honors Program" description in the "College of Arts and Sciences" chapter of this catalog.

7170 Student Appeals Procedure

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.

7180 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.)

7190 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.

7200 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 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 University 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.

7210 Minimum GPA Requirement for All Students Enrolled in Upper-Level Computer Information Systems (CIS) Courses

Students, regardless of degree program or status, who have attempted nine or more semester hours of credit at Georgia State University must maintain a minimum cumulative Georgia State GPA of 2.90 to be eligible to enroll in any upper-level CIS course (one numbered 3000-4999). Students who have attempted fewer than nine hours at Georgia State may enroll in upper-level CIS courses with below a 2.90 cumulative Georgia State GPA but must meet the college's minimum 2.50 Georgia State GPA requirement for enrollment in upper-level RCB courses.

Students should be aware of the following information and responsibilities:

1. Students who register for upper-level CIS courses in early registration but whose cumulative GPA falls below 2.90 at the end of the semester must amend their

next semester's schedule in regular or late registration. The upper-level CIS 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.

2. Having only upper-level CIS 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.

7220 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.

7230 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.

7240 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.

7250 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, DSc 3120, Fi 3300, Mgt 3500, Mk 3010, BusA 4980, courses in the major (18-21 semester hours, depending on the major chosen), RCB electives (9-12 hours).

7260 Core Curriculum

As stated in the "Core Curriculum" section (1370.05) of the "Academic Regulations" 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.

7270 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 "Core Areas A through F" section (1370.10) of the "Academic Regulations" 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.

7270.10 Bachelor of Business Administration

Program Summary

	Semester Hours
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 Section 1370.10 of this catalog.

Core Area F: Business Foundation. (Minimum 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 grade of C or higher is required in each course.)

BusA 3000	Global Perspectives of Business
DSc 3120	Generalized Modeling Techniques with Applications **
Fi 3300	Corporation Finance
Mgt 3500	Management Concepts, Theory, and Practice
Mk 3010	Basic Marketing

Junior Communication Course. (Minimum grade of C or higher is required in this course.)

BCom 3950	Managerial Communication

Major. (Minimum grade of C or higher is required in each course.) The following majors require 18 semester hours in this portion of the curriculum:

Accounting
Business Analysis
Finance***

The following majors require 21 semester hours in this portion of the curriculum:

Actuarial Science
Computer Information Systems
Economics
Hospitality Administration
Management
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 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:

Computer Information Systems, Economics, Finance, *** Hospitality Administration, Management, Marketing, Real Estate, Risk Management and Insurance.

Major requiring 12 semester hours of RCB electives:

Accounting, Business Analysis.

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 on-line course listing at <http://courses.gsu.edu> 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 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.

7270.20 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/studentUse.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 web site at <http://www.gsu.edu/~wwwdls/require.htm>. 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.

7270.30 Computing Skills

Prerequisites (CSP's) 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 e-mail 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 web site; create image files and embed them in *.html pages.

7280 School of Accountancy

5th floor, Robinson College of Business Building,
404/651-2611

William F. Messier, Interim Director

Faculty: Barden, Borthick, Brown, Bullen, Clark, Fenn, Geisler, Giovinazzo, Gramling, Hannan, Huss, Jacobs, Joe, Johnson, Larkins, Lopez, Messier, Mutchler, Nathan, Porter, Ransopher, Richards, Sevcik, Springer, Sriram

Course prefix: Acct

The 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, management advisory services, 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.

The two introductory courses in accounting are the most important courses for a student contemplating accounting as a major field. At a minimum, a student should have attained a grade of B average in these two courses before considering accounting as a major. Students planning to major in accounting may consult with a school adviser.

If there has been a time lag of two or more semesters between the introductory courses and Acct 4010, the student should consider a personal review of the introductory sequence. In cases where there has been a great length of time between the introductory courses and Acct 4010, the student should consider retaking Acct 2101 for credit or audit and reviewing Acct 2102.

A minimum grade of C is required to satisfy the prerequisites to any accounting course.

Required Major Courses: Acct 4010, 4110, 4210, 4310, 4510, and 4610. Students taking one course at a time should take them in the order listed.

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 or management accounting specializations: 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.

Notice to students who plan to take the Uniform Certified Public Accountant (CPA) examination in the state of Georgia: Students are advised that candidates for the CPA exam must have completed no fewer than 150 semester hours of college credit which includes an undergraduate degree. Candidates also must have completed no fewer than 30 semester hours of accounting beyond principles of accounting and 24 semester hours in general business subjects at an accredited, four-year college or university which offers a baccalaureate degree.

The School of Accountancy recommends that students meet the 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. Thus, 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.

Richard L. Baskerville, Chair

David S. McDonald, Academic Programs Director

Faculty: Baskerville, Gallivan, S.E. Harris, Hubona, Johnson, Johnston, Keil, Liegle, Lipp, McDonald, McLean, Meso, Moore, Puraio, Ramesh, Raven, Robey, Robinson, Senn, Sergo, Storey, Straub, Stucke, Truex, Vaishnavi, Varshney, Viscelli, Wareham, Welke, Young-Carver

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 programming, systems development, database administration, network deployment and support, web-based systems design and development, and consulting.

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.

Required Major Courses: All undergraduate CIS majors must complete a "programming track." A programming track consists of a beginning and an intermediate course in a two-course sequence. The student may choose from one of three tracks: (1) A "C/C++" programming track (CIS 3260, CIS 3280); (2) An Internet programming track (CIS 3260, CIS 3270); or (3) A visual programming track (CIS 3210, CIS 3215).

Note that CIS 3220, Introduction to Programming in COBOL, is an elective course and may not be applied toward the programming requirement of the undergraduate degree.

These major courses are required in addition to the programming track: CIS 3300, CIS 3310, CIS 3320, CIS 4980, and one upper-level CIS elective.

In addition: (1) transferred programming courses must be equivalent to programming languages taught at Georgia State, and (2) students may take 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)

7290 Department of Computer Information Systems

9th floor, Robinson College of Business Building
404/651-3880

Transfer credit is not granted for CIS 3260. (3) 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: Beginning fall 2003, the CIS department will coordinate 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://www.cis.gsu.edu>.

Certificate of Excellence in C/C++ Programming: CIS majors who earn at least two grades of B and one grade of A in the three courses CIS 3260, CIS 3280 and CIS 3290 are eligible to receive a certificate documenting their accomplishment upon graduation. Students should contact the Department of Computer Information Systems for more information about this certificate.

Certificate of Excellence in Internet Development: CIS majors who earn at least two grades of B and one grade of A in the three courses CIS 3260, CIS 3270, and CIS 3295 are eligible to receive a certificate documenting their accomplishment upon graduation. Students should contact the Department of Computer Information Systems for more information about this certificate.

7300 Department of 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.

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.

The Undergraduate Economics Club offers opportunities for students interested in economics, regardless of major, to explore economic issues and careers and to socialize with other students and faculty in an informal atmosphere. Recent activities include speakers from the government and business communities, faculty/student mixers, visits by corporate recruiters, short training courses in computers and methodology, paid participation in economic surveys and analyses, and even skydiving. Students meeting the eligibility criteria may also join the Omicron Delta Epsilon honor society, which is associated with the Undergraduate Economics Club. For information, contact the Department of Economics, 404/651-2626.

7310 Department of Finance

12th floor, Robinson College of Business Building
404/651-2628; Fax: 404/651-2630
robinson.gsu.edu/finance

Gerald D. Gay, Chair

Faculty: Agarwal, Appeadu, Eisemann, Fendler, Gay, Gillette, Greene, Kale, Kini, Mettler, Morin, Nachman, Naveen, Owers, Pouget, Rebello, Shrikhande, Smith

Course Prefix: Fi

The finance curriculum is designed to provide an understanding of the problems and methods of financial operations in both nonfinancial and financial businesses. Courses for the student majoring in finance are designed to develop the student's capacity for analysis, and, accordingly, place emphasis on the microanalysis of financial management. The management of fund flows is a service function associated with virtually every organization. Thus, careers in this field are available in diverse areas ranging from the small entrepreneurial firm to the large corporate organization as well as in the securities business, commercial and investment banking, and in other financial intermediaries.

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.

7315 Institute of Health Administration

1420 Robinson College of Business Building, 404/651-2637

Andrew T. Sumner, Director

Faculty: Curry, Ketsche, Newman, Sumner

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, e-commerce, 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, and HA 3910, Health Policy in the United States, are two elective courses that offer introductions to the organization of health care delivery in the U.S. and to how health care policy is developed. 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 Georgia accredited by the Accrediting Commission on Education for Health Services Administration and is a full member of the Association of University Programs in Health Administration. Some 700 graduates hold numerous executive positions in health care and business throughout the nation.

7320 Cecil B. Day School of Hospitality Administration

1220 Robinson College of Business Building, 404/651-3512

Debra F. Cannon, Director

Faculty: Cannon, Ferreira, Pavesic, Robbe

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 emerging 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 and administrative careers in the following hospitality industry segments: hotel, restaurant, private club, institutional food service, travel and tourism, meeting planning, fairs, 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 principal 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.

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.

7320.10 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.

7325 Institute of International Business

800 Robinson College of Business Building, 404/651-4057

Karen D. Loch, Director
Faculty: Beach, Bruce, Carrillo, Dakhli, Fazlollahi, Loch, Silloway

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. 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.

7325.10 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, Great Britain, Italy, Netherlands, Russia, and South Africa. 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 web site at iib.gsu.edu or contact IIB at ijb@gsu.edu.

7325.20 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.

7325.30 International Business Alliance

The International Business Alliance (IBA) is a student organization that is sponsored by the Institution 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 web site at iib.gsu.edu/, contact the IBA office at iba-gastate@langate.gsu.edu or call 404/651-0988. The IBA office is located in 819 RCB Building.

7330 Department of Management

10th floor, Robinson College of Business Building
404/651-3400

Richard H. Deane, Interim Chair

Faculty: Barr, Barrett, Bogner, Bommer, N.B. Bryan, Bunch, Butler, Carr, deKoning, Deane, Duhaime, Forquer, Gibbons, Hill, Houghton, Levine, McClurg, E.W. Miles, Nargundkar, Oviatt, Palladi, Reilly, Samaddar, Schutz, Shore, Srivastava, Thachenkary, Wallace, Whalen, M.S. White, G.P. Zhang

Two undergraduate majors are offered by the Department of Management: management and business analysis. Each is described below.

7330.10 Business Analysis

Course Prefix: DSc

The B.B.A. major in business analysis allows students who are analytically inclined to study several general skills and applications areas. It focuses on the development of skills in critical thinking, problem solving, decision making, and designing analytical systems. These skills are applied within the context of decision support systems, which are systems that use advanced information technology to support the managers' decision making.

The major is grounded in the functional areas of business and complemented by statistical and management science modeling techniques. Strong emphasis is placed throughout the program on communication skills, both in writing and in dealing with groups. The following are common threads through all of the required major courses: (1) identifying and gathering critical data, (2) developing and applying analytical methods to reach or support conclusions, and (3) presenting conclusions in written and oral form.

Decision sciences courses may apply toward major credit in another field. The chair of the department in which the student is majoring should be consulted.

Alpha Iota Delta is the national honorary society in decision sciences. Contact the department for information about this organization.

Required Major Courses: DSc 4020, 4100, 4130, 4220, 4240, MGT 4700, MGT 4730.

7330.20 Management

Course Prefix: Mgt

Skilled management is the backbone of successful enterprise. Students who choose management careers invest in skills that focus on leveraging human capital at the individual, small group, organizational, and even industry levels. Further, management specialties, such as human resource management, production and operations management, organizational behavior, and entrepreneurship provide the students with highly coveted qualifications to advance their careers quickly. Students receiving a degree in management 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, regional management, general management, production and operations management, and entrepreneurial ventures, reflecting a growing market for talented, well-trained management specialists.

Required Major Courses: Mgt 4010, Mgt 4300, Mgt 4700, and four additional 4000-level management courses.

Students may select a general management major or may choose one of these specializations: human resource management, production/operations management, or organizational behavior. Students who choose a specialization will receive maximum benefit by taking the corresponding required management course before taking other management courses in the specialization. Suggested major courses and electives are included in the descriptions that follow. Students should consult the appropriate sections of the catalog for prerequisites, if any, for the suggested electives.

Human Resource Management

Students interested in careers in any aspect of labor-management relations or human resource management in either a line or staff capacity should seek a specialization in human resource management. The following courses are appropriate for this specialization. Courses are listed numerically and do not denote a particular order of importance or relevance.

Suggested management courses:

Mgt 4250	Negotiation
Mgt 4360	Human Resource Selection
Mgt 4370	Introduction to Organizational Communication
Mgt 4390	Compensation Administration
Mgt 4395	Human Resource Practicum
Mgt 4510	Human Resource Legislation
Mgt 4540	Collective Bargaining
Mgt 4580	Employee Benefit Plans (Same as RMI 4530)

Suggested electives:

Econ 4960	Economics of Work and Pay
Soci 3201	Social Inequality
Soci 3208	Work and Employment

Production/Operations Management

The production/operations management specialization develops the basic skills required by line and staff managers to effectively resolve the complex technological, administrative, and behavioral problems encountered in managing operations in both manufacturing and service organizations. This specialization may be obtained by selecting an appropriate program from the courses listed below. Entry-level positions can be obtained in production planning, scheduling, purchasing, logistics, quality management, and project management. Additionally, graduates may obtain supervisory positions in the management of production operations.

Courses specifically designed to follow Mgt 4700:

Mgt 4710	Operations Planning and Control
Mgt 4730	Project Management Principles
Mgt 4740	Production/Operations Strategy
Mgt 4760	Statistical Quality Assurance (Same as DSc 4760)

Other relevant management courses:

Mgt 4390	Compensation Administration
Mgt 4440	Work Team Design and Development

Suggested electives:

Acct 4210	Cost/Managerial Accounting
Mk 4400	Distribution Management

Organizational Behavior

Students who seek careers related to change management, consulting, or other aspects of interpersonal dynamics may specialize in organizational behavior. A specialization may be obtained by selecting appropriate electives from courses listed below.

Suggested management courses:

Mgt 4220	Becoming a Leader
Mgt 4250	Negotiation
Mgt 4350	Organization Theory
Mgt 4370	Introduction to Organizational Communication
Mgt 4400	Work Team Design and Development

Suggested electives:

Phil 3730	Business Ethics
PolS 3700	Public Administration and Bureaucratic Politics
Psyc 4020	Social Psychology
Soci 3208	Work and Employment

7340 Department of Marketing

13th floor, Robinson College of Business Building
404/651-2740

Danny N. Bellenger, Chair
Faculty: Barksdale, Bellenger, Bello, Bernhardt, Boles,

Cobb-Walgren, Cook, Curasi, Dadzie, Donthu, Ellen, Eroglu, Johnston, Langford, Lemley, Lohtia, Mohr, Moschis, Nasser, Pilling, Rigdon, Thornton, Verhage, White, Willis, Wofford, Wysor

7340.10 Business Communication Program

Maryann T. Wysor, Director

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.

7340.20 Marketing

Course Prefix: Mk

Marketing is an exciting, dynamic process through which customer needs and wants are satisfied with goods and services. Thus, in broad terms, the study of marketing concerns the movement of goods and services from producer to customer. 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, purchasing, 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.

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
 General Marketing Management: Mk 4620, 4400, 4300
 Advertising: Mk 4300, 4310, Jour 3500*
 Physical Distribution: Mk 4400, 4510

*Jour 3500 may be counted as a marketing major course for students taking Mk 4300 or 4310.

7350 Department of Real Estate

14th floor, Robinson College of Business Building
 404/651-2760

Joseph S. Rabianski, Chair
 Faculty: Black, Diaz, Gibler, Grissom, Rabianski, Ziobrowski

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.

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.

7360 Department of Risk Management and Insurance

11th floor, Robinson College of Business Building
 404/651-2725

Harold D. Skipper Jr., Chair
 Faculty: Behan, Binder, Ciccotello, Cox, Custer, Elger, Feldhaus, Gabel, Gaunt, Grace, Klein, Mansfield, Oakley, Palmer, Phillips, Richardson, Schneider, Sherman, Skipper, Srivastava, Tredway, Willey

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.

7360.10 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.

Required Major Courses: AS 4110, 4140, 4230, 4260, 4320, 4340, 4350.

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 DSc 3120 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.

7360.20 Legal Studies

Nancy R. Mansfield, Coordinator

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.

7360.30 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.

Students are encouraged to prepare for one or more parts of those national professional examinations which may be germane to their interest, such as examinations in the Chartered Financial Consultant (ChFC), Certified Financial Planner (CFP), Chartered Life Underwriter (CLU), Chartered Property/Casualty Underwriter (CPCU), Associate in Risk Management (ARM), or Certified Employee Benefits Specialist (CEBS) professional designation programs. Courses from departmental offerings, plus other courses offered within the J. Mack Robinson College of Business, may be arranged to assist in attainment of this goal.

Required Major Courses: RMI 3500, 4010, 4020, 4300, 4530,

4700, and 4980. RMI 4980 is the capstone course for the major.

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 web site at 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

7370 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 and Alumni Services of the J. Mack Robinson College of Business (315 RCB Building, 404/651-1913) at least six months in advance of the desired time of entry. Inquiries concerning the doctoral program should be directed to the Doctoral Programs 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.

8020.10 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**, nondegree 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).

8020.20 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.

8020.30 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.

8020.40 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.

8020.50 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 The Gerontology Center

605 One Park Place, 404/651-2692

www.gsu.edu/gerontology

Frank J. Whittington, Director

The Gerontology Center develops and coordinates research, instruction, and service in gerontology throughout the university. The center is a part of the office of the vice-president for academic affairs and is guided in its endeavors by an administrative board composed of the deans of the six colleges. Currently, 30 faculty members representing a variety of areas from business to law, the social sciences, fine arts and the humanities, and the health and human service professions are associated with the center.

The center supports the development of gerontology courses and curricula and administers both undergraduate and graduate certificates and an interdisciplinary minor in gerontology available to students enrolled at Georgia State. Certificates in gerontology may be earned in conjunction with any degree; the graduate certificate also may be earned independently of a degree. These programs offer students the opportunity to study gerontology to enrich their understanding of growing older and to prepare for careers in the field of aging.

Through research, the center is committed to advancing knowledge of the aging process, problems faced by older people, and the impact of an aging society on social and health policy and practice. The focus of the center’s current research is individual adaptation to chronic health problems and the quality of care provided in long-term care settings. The center’s affiliated faculty in gerontology are carrying out a wide range of research projects on topics such as transition to retirement, nursing home care, community-based services, aging among minorities, intergenerational care giving, art and music education for older adults, cross-cultural aging, learning and memory, nutritional status, nursing practice, and marketing to seniors.

For additional information, contact the center at 404/651-2692.

8030.10 Undergraduate Certificate in Gerontology

The undergraduate Certificate in Gerontology is administered by the Gerontology Center and is available to students throughout the university. The certificate program gives undergraduate students 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 aging, 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 available to older persons; and

contemporary aging policy issues. Through both course work and internship experience, the program gives students specialized knowledge and skills needed to live and work in today's aging society.

In order to be admitted to the gerontology program, 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 Center and arrange an interview with an academic adviser in the Gerontology Center.

To receive the undergraduate Certificate in Gerontology, students must complete the following 18-semester-hour curriculum with a grade of C or better on all course work.

1. Required courses. (9)

- HHS 4200 Health and the Older Adult (3)
- Psy 4610 Psychology of Aging (3) (Prerequisite: Psyc 1101)
- Soci 4116 Aging and Society (3)

2. Select one course. (3)

- Soci 4110 Aging Policy and Services (3)
- SW 4260 Social Work with the Aging (3)

3. Select one course. (3)

- Anth 4500 Anthropology of Aging (3)
- Nutr 4980 Geriatric Nutrition (3) (Prerequisite: Nutr 3100)
- Soci 4122 Death, Dying, and Loss (3)
- Soci 4110 Aging Policy and Services (3) (if not taken in section 2 above)
- Spch 4475 Communication and Aging (3)
- SW 4260 Social Work with the Aging (3) (if not taken in section 2 above)

4. Soci 4910 Gerontology Internship or an approved alternate internship course. (3)

Students whose certificate program requires a practicum or internship may satisfy both degree and certificate requirements with one experience provided it is age-related and jointly supervised through the gerontology internship program. The student's internship plan and placement must be approved by the Gerontology Center.

8040 Intensive English Program

1026 Urban Life, 404/651-3650
www.gsu.edu/esl

The Intensive English Program (IEP) is a noncredit 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.

8050 Office of International Affairs

One Park Place South Suite 1011, 404-463-9411

www.gsu.edu/~www.oia

Study Abroad Program, 310 Student Center, 404-463-9073

John F. Hicks, Director

Leigh Walker, Study Abroad Coordinator

Veronica L. Thomas, Administrative Coordinator

The Office of International Affairs leads Georgia State University's efforts to internationalize education and to promote excellence and distinctiveness in teaching, research, and service through global engagement. International Affairs coordinates, implements, and supports several activities in four principal areas: student study abroad programs, international scholarly programs and exchanges, projects for curricular transformation, and strategic international initiatives. The first two areas provide opportunities for students and faculty to live, study, and learn in different parts of the world. Currently, about 400 Georgia State University students participate in study abroad programs each year all over the world.

Curricular transformation occurs both in individual courses and around particular programs of interest. Often these activities emerge at the faculty, department, or college level. These programs are strongly encouraged and supported and while often implemented in a decentralized fashion, they are supported from a university-wide perspective to add coherence and strategic focus.

Through the fourth area, strategic international initiatives, the university concentrates on a limited number of university-wide programs aimed at substantially enhancing the university's global profile and bringing excellence and distinctiveness to the institution. Included among these are programs in Egypt, Cote d'Ivoire, the Republic of Georgia, and South Africa.

Visit our Web site for a more comprehensive picture of the Office of International Affairs and the programs it administers.

8060 Oak Ridge Associated Universities

Georgia State University has been a member of Oak Ridge Associated Universities (ORAU) since 1990. ORAU is a consortium of 87 colleges and universities and a management and operating contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship,

scholarship, and research appointments; and to organize alliances among its members.

Through the Oak Ridge Institute for Science and Education, ORAU provides opportunities for research and study to undergraduates, graduates, postgraduates, and faculty. Programs include business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and federal facilities.

For more information about ORAU and its programs, call 423/576-3306 or visit the ORAU Web site at www.ornl.gov.

8070 W.J. Usery, Jr., Center for the Workplace

The Usery Center promotes policies nationally and internationally that advocate positive relationships in the workplace, encourage productive relationships between labor and management, bring about the peaceful resolution of disputes, and contribute to the public interest. The center is the preeminent think tank on problems in the workplace in the South, pursuing training, research, policy development, and facilitation in:

1. Dispute resolution: A major focus will be to promote better methods of dispute resolution in all types of workplaces utilizing alternative methods such as arbitration, mediation, ombuds, and alternative dispute resolution (ADR);
2. Collective bargaining and labor-management cooperation;
3. Quality excellence and workplace quality systems;
4. Improved productivity and human resource utilization;
5. Continued and expanded workplace training and education programs currently offered through the labor studies program at the university.

Contact the center at 404/651-1272.

9000 Course Descriptions

Undergraduate courses offered by Georgia State University are listed in this section in alphabetical order by subject name and course number.

Course Subjects

Accounting (Acct)
 Actuarial Science (AS)
 African-American Studies (AAS)
 Anthropology (Anth)
 Applied Linguistics (AL)
 Arabic (Arbc)
 Art (Art)
 Art Education (AE)
 Art History (AH)
 Astronomy (Astr)
 Biology (Biol)
 Business Administration (BusA)
 Business Communication (BCom)
 Ceramics (Cer)
 Chemistry (Chem)
 Chinese (Chin)
 Classical Studies (Clas)
 Computer Information Systems (CIS)
 Computer Science (CSc)
 Counseling & Psychological Services (CPS)
 Criminal Justice (CrJu)
 Decision Sciences (DSc)
 Drawing and Painting (DP)
 Early Childhood Education (ECE)
 Economics (Econ)
 Education/Business Technology (EDBT)
 Education/Curriculum and Instruction (EDCI)
 Education/Language Arts (EDLA)
 Education/Mathematics (EDMT)
 Education/Reading (EDRD)
 Education/Science (EDSC)
 Education/Social Studies (EDSS)
 Educational Policy Studies (EPS)
 Educational Policy Studies/Social Foundations (EPSF)
 Educational Psychology (EPY)
 English (Engl)
 Exceptional Children (EXC)
 Film (Film)
 Finance (Fi)
 Folklore (Folk)
 Foreign Language (ForL)
 French (Fren)
 Geography (Geog)
 Geology (Geol)
 Georgia State University (GSU)
 German (Grmn)
 Graphic Design (GrD)
 Greek (Grek)
 Health Administration (HA)
 Health and Human Sciences (HHS)
 History (Hist)
 Honors (Hon)
 Hospitality Administration (HAdm)
 Instructional Technology (IT)
 Intensive English Program (IEP)
 Interior Design (ID)
 International Business (IB)
 Italian (Ital)
 Japanese (Japn)
 Jewelry Design and Metalsmithing (Jewl)
 Journalism (Jour)
 Kinesiology and Health (KH)
 Latin (Latn)
 Legal Studies (LglS)
 Management (Mgt)
 Marketing (Mk)
 Mathematics (Math)
 Military Science Leadership (MSL)
 Music (Mus)
 Music Appreciation (MuA)
 Music Technology Management (MTM)
 Natural Sciences (NSci)
 Nursing (Nurs)
 Nutrition (Nutr)
 Persian (Prsn)
 Personal Financial Planning (PFP)
 Perspectives (Pers)
 Philosophy (Phil)
 Photography (Phot)
 Physical Science (PhSc)
 Physical Therapy (PT)
 Physics (Phys)
 Political Science (PolS)
 Portuguese (Port)
 Printmaking (Prt)
 Psychology (Psyc)

Public Administration and Urban Studies (PAUS)
 Real Estate (RE)
 Recreation and Leisure Studies (RCLS)
 Regents' Test Review (RGTE) (RGTR)
 Religious Studies (RelS)
 Respiratory Therapy (RT)
 Risk Management and Insurance (RMI)
 Russian (Russ)
 Sculpture (Scul)
 Social Work (SW)
 Sociology (Soci)
 Spanish (Span)
 Speech (Spch)
 Textiles (Text)
 Theater (Thea)
 Women's Studies (WSt)

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 on-line course listing, and the second line is the complete title.

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 e-business 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 e-business environments.

ACCT 4010 CONTEMPORARY ACCT INFO 3.0

Contemporary Accounting Information.

Prerequisite: Acct 2102, CIS 2010, minimum grade of C in each. CSP: 1, 2, 4, 5, 7.

This course considers the demand for performance measurement information in contemporary organizations and assesses the role of the accountant as the provider of that information. The emphasis is on broadening student perspectives about how accountants add value by using their core competency as measurement experts. A cross-functional approach is emphasized; students gain an appreciation for the link between strategic decision making and the selection of financial and non-financial performance measures. Students also gain experience constructing strategy maps, documenting and analyzing business processes, and developing and querying databases to report performance measurement information.

ACCT 4110 FIN ACCT AND REPORTING 3.0

Financial Accounting and Reporting.

Prerequisite: Acct 4010, minimum grade of C.

CSP: 1, 2, 6.

This course exposes students to the real-world challenges of financial reporting. Class time is primarily devoted to discussions of broad accounting concepts and issues rather than display and instruction of specific accounting rules. Exposure to and practice with the rules are primarily achieved in technical lab sessions outside of class time. 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: Acct 4010 or Fi 4000, minimum grade of C.

CSP: 1, 2, 4, 6, 7.

Students study what information managers need to plan, monitor, and improve their critical processes, products, and services. Emphasizing e-business environments, this course stresses applying 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: Acct 4210, Math 1070, Fi 3300, Mgt 3500.

CSP: 1, 2, 3, 4, 5, 6, 7, 8.

This course develops skills required by accountants as users, managers, designers, and evaluators of information systems in e-business 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 e-business 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 4391 FIELD STUDY IN ACCOUNTING 3.0

Field Study in Accounting.

(May be repeated once.)

Prerequisite: 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 4510 INTRO FED INCOME TAXES 3.0

Introduction to Federal Income Taxes.

Prerequisite: must have senior standing or graduate status.

CSP: 1, 2, 6.

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, minimum grade of C.

Prerequisite or corequisite: Acct 4310.

CSP: 1, 2, 3, 4, 6, 7.

This course develops students' knowledge of auditing, attest, and assurance services in traditional and e-business environments. Topics include the role of such services in society, evidence relevance and reliability, materiality, risk and control, information integrity, and methods of verification.

ACTUARIAL SCIENCE**AS 4110 PROBABILITY THEORY FOR AS 3.0**

Probability Theory for Actuarial Science.

Prerequisite: Math 2211. CSP: 2.

This course covers addition and multiplication laws of probability, compound probability, permutations and combinations and their applications to probability problems,

probabilities of hypotheses, Bayes' theorem, use of difference equations, and the application of calculus to probability.

AS 4120 MATH STAT ACTUARIAL SCI I 3.0

Mathematical Statistics for Actuarial Science I.

Prerequisite: AS 4110, Math 2215. CSP: 2.

This course covers binomial, Poisson, Normal, and other probability distribution functions; statistical frequency functions, means, standard deviations, and moments of probability distribution and frequency functions; probability and frequency distributions in two variables; simple and multiple correlation and regression; sampling and sampling errors of means; proportions and percentages; and sampling distributions including the chi-square, F, and Student's distribution tests of significance, point estimation; confidence limits.

AS 4130 MATH STAT ACTUARIAL SCI II 3.0

Mathematical Statistics for Actuarial Science II.

Prerequisite: AS 4120. CSP: 2.

This course is a continuation of AS 4120.

AS 4140 MATH FOUNDATIONS ACT SCI 3.0

Mathematical Foundations of Actuarial Science.

Prerequisite: AS 4130. CSP: 2.

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.

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 MICROECON FOUNDATIONS AS 3.0

Microeconomic Foundations of Actuarial Science.

Prerequisite: Econ 2106 and concurrent registration in AS 4230. CSP: 1

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.

This course covers the application of basic stochastic models in an actuarial setting. Topics include review of frequency-severity models, introduction to compound distributions, stochastic models, and simulation techniques.

AS 4330 SURVIVAL & RUIN THEORY 3.0

Survival Models and Ruin Theory.

Prerequisite: AS 4130.

This course is concerned with methods of analyzing survival data and the construction of interpretive models. The objectives are to acquaint the student with the current literature, to assist in the choice of appropriate analytical methods, and to warn against uncritical use. The emphasis is placed on the principles underlying the methods and the interpretation of the results. Numerical examples from diverse fields are presented in considerable detail.

AS 4340 LIFE CONTINGENCIES I 3.0

Life Contingencies I.

Prerequisite: AS 4130, 4230. 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. 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.

AFRICAN-AMERICAN STUDIES

AAS 1140 INTRO TO AFR & AFR-AM HISTORY 3.0

Introduction to African and African-American 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 AFRICAN-AMER STUDIES 3.0

Introduction to African-American Studies.

Intellectual and social origins of African- American Studies. Key concepts, themes, and theories of the discipline.

AAS 3000 AFRICAN-AMERICAN FAMILY 3.0

African-American Family.

(Same as Soci 3162.)

Contemporary theories and research of the African-American family.

AAS 3050 INTRO TO AFRICAN-AMER PSY 3.0

Introduction to African-American Psychology.

Prerequisites: AAS 2010 or AAS/Hist 1140; Psyc 1010.

(Same as Psyc 3520.)

Examination of theory and research pertaining to African-American psychology. Special emphasis on the Afrocentric perspective.

AAS 3070 AFR-AMERICANS IN CRIM JUST SYST 3.0

African-Americans in the Criminal Justice System.

An examination of the relationship between the African-American community and the criminal justice system.

AAS 3080 ISSUES IN AFRICAN-AMER PHIL 3.0

Issues in African-American Philosophy.

Prerequisite: AAS 2010 or AAS/Hist 1140.

(Same as Phil 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, Cornell 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 or AAS/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 AFR-AMER IN GEORGIA 3.0

History of African-Americans in Georgia.

(Same as Hist 4890D.)

Examination of the political, economic, and social development of African- Americans in Georgia.

AAS 3480 AFRICAN-AMERICAN RHETORIC 3.0

African-American Rhetoric.

(Same as Spch 4520.)

Survey of African-American 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 AFRICAN-AMER MUSIC 3.0

History of African-American Music. (Same as Mus 3810.)

(Same as Mus 3810.)

History and styles of African- American music.

AAS 3880 AFRICAN-AMERICAN LITERATURE 3.0

African-American Literature. (Same as Engl 3880.)

(Same as Engl 3880.)

History and development of African- American literature, with emphasis on major writers.

AAS 3955 LANGUAGE IN AFR-AM COMMUNITY 3.0
 Language in the African-American Community. (Same as Engl
 (Same as Engl 3955.)

A sociolinguistic study of the characteristics that define
 and connote the varieties of African-American English:
 origins, currents of change, functions of language identity,
 styles, and modes of discourse.

AAS 3960 AFRICAN-AMERICAN LIT BY WOMEN 3.0
 African-American Literature by Women.
 (Same as Engl 3960/WSt 3960.)

Survey of literature from the eighteenth century to the
 present. Includes such authors as Wilson, Wheatley, Larson,
 Hurston, Dove, Hansberry, and Morrison.

AAS 3975 CONCEPTS/THEORIES IN A-AS 3.0
 Concepts and Theories in African-American 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 AFR-AM STUDIES 3.0
 Research Methods in African-American Studies.
 Prerequisite: AAS 2010.

Qualitative and quantitative research techniques employed to
 generate knowledge in the interdisciplinary field of
 African- American Studies.

AAS 4000 ISSUES IN AFRICAN-AM COMMUNITY 3.0
 Issues in the African-American Community.
 (Same as Soci 4310.)

Examination of the impact of major societal issues on the
 African-American community.

AAS 4030 AFR-AM MALE/FEMALE RELATIONS 3.0
 African-American Male/Female Relationships.
 (Same as Soci 4311 and WSt 4311.)

Explores historical, social, psychological, and economic
 factors affecting African-American relationships. Issues
 include negative images and stereotypes, color, beauty and
 pornography, sex-gender and role identity, consumerism and
 narcissism, and employment.

AAS 4080 AFRICAN-AMER FEMALE ACTIVISM 3.0
 African-American Female Activism.
 (Same as WSt 4110.)

Overview of African-American women's resistance to racial
 oppression and gender inequality.

AAS 4100 AFRICAN-AM WOMEN IN THE U.S. 3.0
 African-American Women in the United States.
 (Same as Soci 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 AFRICAN-AMER POLITICAL THOUGHT 3.0
 African-American Political Thought.
 (Same as PolS 4560.)

Examination and critical analysis of African-American
 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 AFRICAN-AMERICAN POLITICS 3.0
 African-American Politics.
 Prerequisite: AAS 2010 or AAS/Hist 1140.
 (Same as PolS 4165.)

Analysis of the ideology, public opinions, and political
 behaviors of African Americans. African-American 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 PAN-AFRICANISM 3.0
 Pan-Africanism.

Survey of Pan-African thought from the 1900 Pan-African
 Congress to the present. Major Pan-African 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 AFRICAN-AMERICAN RELIGION 3.0

African-American Religion.

(Same as RelS 4250.)

A survey of the development of African-American 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 AFRICAN-AMERICAN ANTHROPOLOGY 3.0

African-American Anthropology.

(Same as Anth 4280.)

Major writings in the field of African-American 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 African- American 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 EGYPT/NUBIA/MAGRIB 3.0

Art of Egypt, Nubia and the Magrib.

(Same as AH 4010.)

Introduction to the arts of North Africa. Painting, sculpture, architecture, ceramics, and metal arts. Objects and monuments examined within a cultural and historical framework.

AAS 4320 AFRICAN-AMERICAN ART 3.0

African-American Art.

(Same as AH 4620.)

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.

AAS 4400 GEOGRAPHY OF AFRICA 3.0

Geography of Africa.

(Same as Geog 4402.)

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.

AAS 4530 VOICES OF AFRICAN-AM FEMINISTS 3.0

Voices of African-American Feminists.

(Same as Spch 4530/WSt 4010.)

Overview of the rhetorical history of African-American female political and social activists.

AAS 4600 ENSLVMNT & 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, commonly know as slavery, and of the social development and popular responses of captive Africans to these systems. The character of enslavement in various societies in the western hemisphere. 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 nation-states.

AAS 4640 AFRICAN-AMERICAN PEOPLE 4.0

African-American People.

(Same as Hist 4270.)

Major topics and themes in African- American history, including slavery, development of American racism, urbanization, civil rights, and black contributions to American culture.

AAS 4650 AFRICAN-AMERICAN THEATRE 3.0

African-American Theatre.

(Same as Thea 4090.)

Examination of the history and contributions of African-Americans to the American theatre.

AAS 4660 AFRICAN AMERICAN WOMEN 4.0

African-American Women.

(Same as Hist 4260/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.

AAS 4750 AFRICAN-AM ETH/LEGAL ISSUES 3.0

African-American 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 or AAS/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/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 pre- colonial 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 post-colonial contexts.

AAS 4776 AFRICA AND HOLLYWOOD 3.0

Africa and Hollywood: Myth, Romance, and Savage Imagery.

(Same as Hist 4776/Film 4776.)

This course explores the image of Africa projected into American mass culture through the vehicle of commercial films produced about Africa.

AAS 4780 AFR-AM LESBIAN & GAY ACTIVISM 3.0

African-American Lesbian and Gay Activism.

Prerequisite: AAS 2010.

Examines the speeches, writings, and other public communication of African-American 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 or AAS/Hist 1140.

(Same as Engl 3970.)

Survey of twentieth-century literature of the English-speaking or Commonwealth Caribbean.

AAS 4900 AFRICAN-AMERICANS IN FILM 3.0

African-Americans in Film.

(Same as Film 4760.)

Mainstream Hollywood representation of African-Americans and the alternative film portrayals by African-American producers.

AAS 4950 AFRICAN-AMER POPULAR CULTURE 3.0

African-American Popular Culture.

(Same as Jour 4590.)

Intellectual debates over the definitions and diversities of everyday African-American cultural production.

AAS 4970 TOPICS IN AFRICAN-AMER STUDIES 3.0

Topics in African-American Studies.

Prerequisite: AAS 2010 or AAS/Hist 1140.

Intensive treatment of selected topics in African-American studies. May be repeated for 12 credit hours.

AAS 4980 SEM & PRACT IN AFR-AM STUDIES 3.0

Seminar and Practicum in African-American Studies.

Prerequisite: six hours in African-American Studies.

Integration and application of discipline knowledge in a field setting with nonprofit community organization.

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 with 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 2010, AAS/Hist 1140, or Anth 2020.

(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 4010 ETHNICITY IN THE WORLD SYSTEM 3.0

Ethnicity in the World System.

Prerequisite: Anth 1102 or 2020.

Examination of ethnicity as a system of classification, identity, and status relative to the nation-state, and within the historical, economic, and political parameters of the world system.

ANTH 4020 ANTHROPOLOGICAL THEORY 4.0

Anthropological Theory.

Prerequisite: Anth 2020 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 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 or consent of instructor.

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 4060 CULTURAL ECOLOGY 3.0

Ecological Anthropology.

Prerequisite: Anth 1102, 2010, 2020, 2030 or consent of instructor.

Interrelations between human cultures and their physical environments, utilizing the principles of cultural ecology and systems theory.

ANTH 4070 BELIEFS/SYMBOLS/SYSTMS THOUGHT 4.0

Beliefs, Symbols, and Systems of Thought.

Prerequisite: Anth 2020 or consent of instructor.

Magic, witchcraft, religion, and science as systems of explanation in contemporary societies; interrelationship of belief and behavior.

ANTH 4110 SOCIAL ORGNZN & CULTURE CHANGE 4.0

Social Organization and Culture Change.

Prerequisite: Anth 2020 or consent of instructor.

Survey of various theoretical perspectives used to understand cultural continuity in both kin-based and state-level societies.

ANTH 4112 MODERNITY AND IDENTITY 4.0

Modernity and Identity

Representations of modernity in postcolonial and metropolitan nation-states. National identities and their articulations with gender, class, and race.

ANTH 4150 PEOPLES/CULT:MEXICO & CEN AMER 3.0

Peoples and Cultures of Mexico and Central America.

Prerequisite: Anth 2020 or consent of instructor.

Origins, adaptations, and contemporary social, economic, political, and belief systems of indigenous and mestizo communities of the region.

ANTH 4160 ARCHAEOLOGY OF SOUTHWESTERN US 4.0

Archaeology of the Southwestern United States.

Prerequisite: Anth 2030 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 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 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&ETHNICITY-US 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 native-born Americans have continuously renegotiated and evolved notions of ethnicity, race, and American citizenship.

ANTH 4280 AFRICAN-AMERICAN ANTHROPOLOGY 3.0

African-American Anthropology.

(Same as AAS 4280.)

Major writings in the field of African-American 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 African- American cultures.

ANTH 4300 HUMAN EVOLUTION 3.0

Human Evolution.

Prerequisite: Anth 2010 or consent of instructor.

Principles and mechanisms of hominid evolution.

ANTH 4310 HUMAN VARIATION 3.0

Human Variation.

Prerequisite: Anth 1102 or 2010 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.)

Three lecture hours a week. 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 third-wave feminism; and girls’ movements.

ANTH 4330 PRIMATE BEHAVIORAL ECOLOGY 3.0

Primate Behavioral Ecology.

Prerequisites: Anth 1102 or 2010 or consent of instructor.

Examination of the diversity of free-ranging 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.

Prerequisites: Anth 1102, 2020 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 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.

Prerequisites: Anth 2010 or consent of instructor.

Laboratory-based 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 4380 PEOPLE AND PLANTS 3.0

People and Plants.

Prerequisite: Anth 1102, 2020, or consent of instructor.

Cross-cultural study of ethnobotany; the role of plants in culture and society; cross-cultural usage in food, medicine, and ritual.

ANTH 4390 DIET, DEMOGRAPHY, AND DISEASE 3.0

Diet, Demography, and Disease.

Prerequisite: Anth 1102, 2010, 2030 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 4410 CULTURE AND PERSONALITY 3.0

Culture and Personality.

Prerequisite: Anth 1102, 2020 or consent of instructor.

Study of concepts of self, person, individual and experience in a cultural context. Includes how people experience culture as well as the expression and performance of that experience.

ANTH 4420 WOMEN IN CROSS-CULTURAL PERSP 3.0

Women in Cross-Cultural Perspective.

Prerequisite: Anth 2020 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.

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.

Prerequisites: Anth 1102 or 2020.

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 RACIAL-ETHNIC GROUPS 3.0

American Racial-Ethnic Groups.

(Same as Soci 3214.)

The nature and implications of racial and cultural diversity in the United States, with emphasis on selected racial-ethnic 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 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 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 3.0

Ethnographic Analysis.

Prerequisite: Anth 2020 or consent of instructor.

Examination of classic ethnographies; practicum and instruction in research design, field techniques, and data analysis through ethnographic fieldwork.

ANTH 4490 GLOBAL AND LOCAL CULTURE 4.0

Global and Local Culture.

Prerequisite: Anth 1102, 2020, or consent of instructor.

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, 2020 or consent of instructor.

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 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, antiquities, 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.

Prerequisites: Anth 4550 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 or consent of instructor.

Data recovery techniques, analytic methods, and theoretical concepts. Experience with archaeological materials.

ANTH 4610 PEOPLE & CULTURES OF SE U.S. 3.0

Peoples and Cultures of the Southeastern United States.
Group differences in southern populations: emphasis on current trends in southern culture.

ANTH 4620 QUANTITATIVE METHODS IN ANTH 4.0

Quantitative Methods in Anthropology.

Prerequisite: Anth 1102 or 2020.

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 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 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 short-term 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 and either Anth 4360, 4480, 4590, 4620, or 4630.

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.

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 cross-cultural 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.

(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.

(Same as ForL 3041.)

Introduction to processes of acquiring a second (foreign or additional) language. Compares the experiences of young children, adolescents, and adult-age language learners.

AL 3051 METHODS OF TEACHING EFL 3.0

Methods of Teaching English as a Foreign Language. 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: ForL 3021.

(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: ForL 3021.

(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/ForL 3021 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.

(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.

(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.

(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.

(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.

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

Practicum.

Prerequisite: AL 2103.

Supervised field experiences in the English Language Study Partners Program. May be repeated for a maximum of 6 credit hours.

ARABIC

ARBC 1001 ELEMENTARY ARABIC I 3.0

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 3.0

Elementary Arabic II.

Prerequisite: Arbc 1001 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 3.0

Intermediate Arabic I.

Prerequisite: Arbc 1002 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 3.0

Intermediate Arabic II.

Prerequisite: Arbc 2001 or equivalent.

Continuing development of communicative skills; further work with the writing system; reading of simple authentic texts; and intermediate grammatical structures.

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.

Techniques, materials, and principles of drawing.

ART 1030 TWO-DIMENSIONAL DESIGN 3.0

Two-Dimensional Design.

The fundamentals of two-dimensional design introduced through projects in a variety of media.

ART 1040 THREE-DIMENSIONAL DESIGN 3.0

Three-Dimensional Design.

An investigation of three-dimensional forms and space using various materials and methods.

ART 1750 SURVEY OF ART II 3.0

History of Western Art II: Renaissance through Contemporary Art.

Art of the Western world from the fifteenth century to the present.

ART 3690 HONORS READINGS 1.0 to 6.0

Honors Readings.

Prerequisites: consent of the instructor and the 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 the instructor and the Honors Program director.

Readings or research preparatory to to honors thesis or project.

ART 4880 HONORS THESIS: WRITING 1.0 to 6.0

Honors Thesis: Writing.

Prerequisite: consent of the instructor and the 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 50 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.

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 P-5 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 art history surveys.

Curriculum, materials, and practicum.

AE 4300 ART FOR MIDDLE & SECONDARY SCH 3.0

Art for Middle and Secondary Schools.

Prerequisites: Art 1020, 1030, 1040, two 1000-level art history courses, and AE 4200.

Curriculum materials, theory and criticism, methods, and observations.

AE 4400 MEDIA, TECHNOLOGY, VISUAL PRESENTATION 3.0

Media, Technology, and Visual Presentation.

Prerequisites: Art 1020, 1030, 1040, two 1000-level art history courses, and AE 4200.

Computer-based educational media and visual presentation.

AE 4750 STUDENT TEACHING IN ART 3.0

Student Teaching in Art (TE).

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

Student Teaching in Art (TE).

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

Student Teaching in Art (TE).

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

Student Teaching in Art (TE).

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 4800 VISUAL ARTS MANAGEMENT 3.0

Visual Arts Management.

Administrative and management techniques for public, profit, and not-for-profit arts organizations. Public relations and advertising for individual artists and art groups.

AE 4900 ART THEORY & CRITICISM IN ART EDUCATION 3.0

Art Theory and Criticism in Art Education.

Prerequisites: Art 1020, 1030, 1040, two 1000-level art history courses, and AE 4200 (or concurrently).

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.

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 fourteenth century and the beginning of the Renaissance.

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 fifteenth 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 2000 CRITICAL APPROACHES-ART IN SOCIETY 2.0

Critical Approaches to Art in Society.

Introduction to the critical analysis of visual representations, including both the fine arts and popular media, in the context of significant social issues including obscenity, censorship, democracy, technology, commerce, the museum, propaganda, and the social role of the artist. Promotes understanding of the contemporary world through the analysis of the history and effects of dominant aesthetic values.

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 EGYPT, NUBIA, & MAGHRIB 3.0

Art of Egypt, Nubia, and the Maghrib.

(Same as AAS 4310.)

Introduction of the arts of North Africa. Painting, sculpture, architecture, ceramics, textiles, and metal arts. Objects and monuments examined within a cultural and historical framework.

AH 4011 ART & ARCH OF ANCIENT EGYPT I 3.0

Art and Architecture of Ancient Egypt I: 4000-1600 BC

Prerequisite: Art 1700 or consent of instructor.

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 context.

AH 4012 ART & ARCH OF ANCIENT EGYPT II 3.0

Art and Architecture of Ancient Egypt II: 1600-31 BC

Prerequisite: Art 1700 or consent of instructor.

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/ARCHITCT ANCIENT NEAR EAST 3.0

Art and Architecture of the Ancient Near East.

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.

Prerequisites: ART 1850 or AH 4000.

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: Art 1700 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: Art 1700 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: Art 1700 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:RENAISSANC ERA 3.0

Art of Northern Europe in the Renaissance Era.

Miniaturistic traditions incorporated into monumental artistic production in northern Europe during the fifteenth and sixteenth centuries.

AH 4320 ITAL RENAISSANC:AGE OF HUMANISM 3.0

Italian Renaissance Art: The Age of Humanism.

Prerequisite: Art 1750 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: Art 1750 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:NEOCLASS-POST-IMPRESS 3.0

Nineteenth Century: Neoclassicism through Post-Impressionism.

Prerequisite: Art 1750 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: Art 1750 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: Art 1750 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 PRE-COLOMBIAN ART 3.0

Pre-Columbian Art.

Introduction to the visual culture of the Andes and Mesoamerica before Columbus.

AH 4650 AMERICAN ART 3.0

American Art.

Prerequisite: Art 1750 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.

Prerequisites: Art 1750 and Art 1850.

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 AVANT-GARDES 3.0

Latin American Avant-Gardes of the 1920s: Argentina, Brazil, Mexico

Prerequisite: Art 1750 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 4670 CONTEMP ART IN LATIN AMERICA 3.0

Contemporary Art in Latin America.

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: Art 4610.

Linguistic bases of description, analysis, and evaluation of contemporary art.

AH 4900 SPECIAL STUDIES SEMINAR 3.0

Special Studies Seminar.

Prerequisite: one 4000-level art history course.

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 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.

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.

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 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: Physics 2211K-2212K 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.

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 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.

BIOLOGY

BIOL 1107K PRINCIPLES OF BIOLOGY I 4.0

Principles of Biology I.

Three lecture and three laboratory hours a week.

Introduction to evolution, ecology, inheritance, cell structures, metabolism, plant and animal anatomy and physiology. Not appropriate for Biology majors.

BIOL 1108K PRINCIPLES OF BIOLOGY II 4.0

Principles of Biology II.

Prerequisites: Biol 1107K or 2107K.

Three lecture and three laboratory hours a week.

The study of animals, plants, fungi, and bacteria including anatomy, physiology, classification, and their ecological relationships. Not appropriate for Biology Majors.

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.

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 2020K BASIC CONCEPTS IN BIOLOGY 3.0

Basic Concepts in Biology.

Two lecture and two laboratory hours a week. Principles governing the major levels of organization in biological systems with an emphasis on heredity, ecology, evolution, and classification of organisms. Focuses on the needs of early childhood educators. Not applicable to the major or minor in biology; admission by authorization only.

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 2107K FOUNDATIONS OF BIOLOGY I 4.0

Foundations of Biology I.

Prerequisite: Chem 1211K.

Three lecture and three laboratory hours per week.

Introduction to scientific method, theory and experimentation, cell chemistry, enzymes, metabolism, photosynthesis, genetics, ecology, and evolution. Fulfills Biology Major requirement.

BIOL 2108K FOUNDATIONS OF BIOLOGY II 4.0

Foundations of Biology II.

Prerequisites: Biol 2107K (or Biol 1107K and 2800) and Chem 1211K.

Three lecture and three laboratory hours per 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.

Prerequisites: Biol 1107K/1108K or Biol 2107K/2108K.

Three lecture hours per 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 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 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 or concurrently.

Three laboratory hours a week. Basic laboratory techniques for culture and identification of bacteria.

BIOL 2430 BIOTECHNOLOGY 2.0

Biotechnology.

Prerequisites: Biol 1107K/1108K or Biol 2107K/2108K, and Chem 1212K.

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 1107K/1108K or Biol 2107K/2108K, and Chem 1212K.

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 systems-level approaches.

BIOL 2510 ANIMAL CULTURE, LING AND BIOL 3.0

Animal Culture, Linguistics, and Biology.

Prerequisite: None.

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.

Prerequisites: Biol 1107K and 1108K (or equivalents).

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 3020K BASIC CONCEPTS IN BIOLOGY 3.0

Basic Concepts in Biology.

Two lecture and two laboratory hours a week. Principles governing the major levels of organization in biological systems with an emphasis on heredity, ecology, evolution, and classification of organisms. Focuses on the needs of middle childhood educators. Not applicable to the major or minor in biology; admission by authorization only.

BIOL 3240 HUMAN PHYSIOLOGY 3.0

Human Physiology.

Prerequisites: Biol 1107K, 1108K, and Chem 1212K, 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 or concurrently.

Three laboratory hours a week. Exercises dealing with the physiology of the major organ systems.

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 1107K/1108K and Biol 2800 or Biol 2107K/2108K.

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 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), 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 3820 or concurrently.

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) 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 3840 or concurrently.

Three laboratory hours a week. Comparative structure and function of representative animal types.

BIOL 3880 MICROBIOLOGY 3.0

Microbiology.

Prerequisites: Biol 2108K and 3800, 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 3880 or concurrently.

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, or equivalents. 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 3900 or concurrently.

Three laboratory hours a week. Experiments demonstrating concepts in genetics.

BIOL 4014K INVERTEBRATE BIOLOGY 4.0

Invertebrate Biology.

Prerequisites: Biol 3840 and 3850, 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, 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.

Prerequisites: Biol 3840 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.

Prerequisites: Biol 1107K/1108K or 2107K/2108K.

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 ECOLOGY OF SOUTHERN ROCKY MTNS 4.0

Ecology of the Southern Rocky Mountains.

Prerequisites: consent of instructor; Biol 2108K or equivalent.

Three lecture hours a week with a 27-day field lab.

Identification of the plant and animal communities characteristic of the southern Rocky Mountains and the Chihuahuan, Sonoran, and Great Basin Deserts. The factors responsible for the control and dynamics of these communities will be discussed in the class and examined in the field. A field fee is required in addition to the tuition. Field lab takes place during the break between semesters.

BIOL 4054K ECOLOGY OF GREAT SMOKY MTNS 4.0

Ecology of the Great Smoky Mountains

Prerequisites: consent of instructor; Biol 2108K or equivalent.

Three lecture hours a week with a one-week field lab.

Identification of the plant and animal communities characteristic of the Great Smoky Mountains. The factors responsible for the control and dynamics of these communities will be discussed in the class and examined in the field. A field fee is required in addition to the tuition. Field lab takes place during the break between semesters.

BIOL 4065K VERTEBRATE MORPHOGENESIS 4.0

Vertebrate Morphogenesis.

Prerequisites: Biol 3840 and 3850 or equivalent course work.

Three lecture and three laboratory hours a week.

Embryology and comparative anatomy of vertebrate animals.

BIOL 4074 DEVELOPMENTAL BIOLOGY 4.0

Developmental Biology.

Prerequisites: Biol 3840 and 3900.

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.

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.

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.

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 on-site 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.

One seminar-style 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 MECHANISMS-REG BEHAVIOR 4.0

Neural Mechanisms of Regulatory Behavior.

Prerequisites: Biol 3840 and 4102 or equivalent course work.

(Same as Psyc 4570.)

Four lecture hours a week. Brain-behavior 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.

Prerequisites: Biol 3840.

Four lecture hours per week. Human brain and spinal cord functional neuroanatomy and associated pathologies.

BIOL 4116K PRIMATE BEHAVIOR:FIELD & LAB 4.0

Primate Behavior: Field and Laboratory.

Prerequisite: Biol 3840 or Psyc 4110, or equivalent course work.

(Same as Psyc 4116.)

Three 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.

BIOL 4130 SENSATION AND PERCEPTION 3.0

Sensation and Perception.

Prerequisites: Biol 1107K, 1108K, and 3840.

(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.

Prerequisite: Biol 4102 and consent of instructor.

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.

Prerequisites: Biol 3840 and Chem 3410, or equivalent course work; Chem 4600 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.

(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 or Psyc 2050 or Psyc 4110.

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 ANIMAL PHYSIOLOGY 4.0

Advanced Animal Physiology.

Prerequisite: Biol 3840 or equivalent.

Four lecture hours a week. Physiological systems of animals with emphasis on the skeletal, muscular, circulatory, respiratory, gastrointestinal, and renal systems. Human physiology will be emphasized.

BIOL 4248 CELL PHYSIOLOGY 4.0

Cell Physiology.

Prerequisites: Biol 3820, 3840, 3880, 3900; Chem 3410.

Four lecture hours a week. Chem 4600 is recommended.

Mechanisms of cell and organelle function at the molecular level.

BIOL 4278 IMMUNOLOGY 4.0

Immunology.

Prerequisites: Biol 3880, 3890, 3900; Chem 3410 or equivalents.

Four lecture hours per week. Comprehensive overview of the immune system and its functions within the context of cell to cell interaction and communication.

BIOL 4284 BIOENERGETICS 3.0

Bioenergetics.

Prerequisite: Chem 4600 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 4428K MEDICAL MICROBIOLOGY 4.0

Medical Microbiology.

Prerequisites: Biol 3880 and 3890 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 4430K MICROBIAL DIVERSITY/SYSTEMATICS 4.0

Microbial Diversity and Systematics.

Prerequisites: Biol 3880 and 3890, or equivalent course work.

Three lecture and three laboratory hours a week. Diversity and systematics of selected groups of bacteria and yeasts.

BIOL 4438 APPLIED MICROBIOLOGY 4.0

Applied Microbiology.

Prerequisites: Biol 3880 and 3890, 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, Chem 4110, or equivalent course 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. 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 3890, 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 4480 PRINCIPLES OF TOXICOLOGY 4.0

Principles of Toxicology.

Prerequisites: Biol 1107K, 1108K, 2240, 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; their adverse effects.

BIOL 4481 MYCOLOGY 4.0

Mycology.

Prerequisites: Biol 3880 and 3890, 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.

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.

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 4564 ADVANCED GENETICS 4.0

Advanced Genetics.

Prerequisite: Biol 3900.

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, 3890, 3900; Chem 3410; Phys 1112K; or equivalents. Chem 4600 recommended.

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, Biol 3890, 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 bacterial-host interactions focusing on molecular and genetic approaches.

BIOL 4595 MICROBIAL PHYSIOLOGY & GENTCS I 4.0

Microbial Physiology and Genetics I.

Prerequisites: Biol 3800, 3880, 3900; Chem 4600.

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 4597 MICROBIAL PHYSIOLOGY & GENTC II 4.0

Microbial Physiology and Genetics II.

Prerequisite: Biol 4595.

Four lecture hours a week. Genetic approaches to the study of bacteria and bacteriophage; topics include: regulation of gene expression, mechanisms of recombination and mutagenesis, and use of microbial systems in recombinant DNA technology.

BIOL 4598 MOLECULAR GENETICS: EUKARYOTES 4.0

Molecular Genetics of Eukaryotes.

Prerequisite: Biol 4597 or consent of instructor.

Four lecture hours a week. Genetic approaches to the study of eukaryotic gene expression and genome organization; topics include chromosome structure, regulation of gene expression, human molecular genetics, developmental genetics, and molecular evolution.

BIOL 4630 ENZYMOLOGY 3.0

Enzymology.

Prerequisites: one year of organic chemistry (Chem 3410) and one semester of biochemistry (Chem 4600).

(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 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.
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.

Four lecture/laboratory 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.

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 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 3800, 3900, and Chem 4600.

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, or equivalents.
(Same as Math 4544.)

Three lecture hours a week. Principles and methods of statistics as applied to biology and medicine.

BIOL 4800 ADVANCED CELL BIOLOGY 4.0

Advanced Cell Biology.

Prerequisites: Chem 1211K and Biol 3800 and 3900, or consent of instructor.

Four lecture hours per week. Molecular basis of animal cell compartmentalization, vesicular transport, organization of the cytoskeleton, cell interactions with environment, cell division, cell cycle regulation, cell cycle deregulation in cancer cells, and stem cell renewal.

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, consent of instructor and Honors Program director.

Writing or production of honors thesis or project.

BIOL 4910 UNDERGRAD RESEARCH IN BIOLOGY 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.

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.

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 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 4.0

Topics in Biology.

Prerequisite: consent of instructor.

Four lecture hours, or two lecture and three laboratory 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. 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. To be taken at least once by biology majors. May be repeated a maximum of four times.

BUSINESS ADMINISTRATION

BUSA 2106 LEGAL ENVIRONMENT OF BUS 3.0

The Legal Environment of Business.

Prerequisite: none. CSP: 1, 6.

This course provides the business student with a study of the interrelationship of law, ethics, and business. The course also covers government regulation of business activities and the legal environment within which business must operate.

BUSA 3000 GLOBAL AND BUS PRACTICES 3.0

Globalization and Business Practice.

Prerequisite: none. 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, DSC 3120 Fi 3300, Mgt 3500, Mk 3010: completion of four upper-level major courses. CSP: 1, 2.

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.

BUSINESS COMMUNICATION

BCOM 3950 FUND OF BUSINESS COMMUNICATION 3.0

Fundamentals of Business Communication.

Prerequisites: Eng 1101, Engl 1102. CSP: 1, 6, 7.

Fundamentals of business communication prepares students to write and speak effectively in a variety of business situations. Students will examine the influence of audience, purpose, and situation and learn how to use those elements to formulate and apply communication strategies that enable them to inform, persuade, and motivate others. Topics include business letters, memos, and reports; oral presentations; nonverbal communication; personal styles and interpersonal communication; the influence of culture, ethics, and technology on communication; and the small group process. This class is required to fulfill the Junior Communication Course Requirement and students must earn a minimum grade of "C." Students may not register for this class until they have earned at least 45 semester hours of college-level credit.

CERAMICS

CER 3000 HAND BUILDING I 3.0

Hand Building I.

Prerequisite: Art 1040.

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.

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.

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.

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 4000-level ceramics course.

Emphasis on decoration methods and techniques.

CER 4300 CERAMICS MATERIALS 4.0

Ceramics Materials.

Prerequisites: Cer 3000 and 3100 and one 4000-level ceramics course; 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.

Individual studio problems for advanced students.

CER 4600 CERAMIC SCULPTURE 4.0

Ceramic Sculpture.

Prerequisite: Cer 3000.

Advanced methods of hand building with clay; emphasis on ceramic sculptural techniques. Studies in experimental hand-forming processes, including mold-making, technical and aesthetic explorations with large-scale 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.

Senior-year studio experiences for B.F.A. degree candidates. Committee review.

CER 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite: Cer 4940 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 School director.

Independent studies initiated by the student.

May be repeated for a maximum of 8 credit hours.

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 two-semester 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.

Three lecture and three laboratory hours a week. Second course in a two-semester 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 two-semester 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 or its exemption.

Three lecture and three laboratory hours a week. Second course in a two-semester 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 problem-solving 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. In-depth problem-solving 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 problem-solving 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.

Math 1113 as a prerequisite or corequisite is strongly advised. Three lecture and three laboratory hours a week. First course in a two-semester 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.

Three lecture and three laboratory hours a week. Second course in a two-semester 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.

One lecture and four laboratory hours a week. Fulfills quantitative analysis requirement for pre-medical students and chemistry majors. Fundamentals of quantitative analysis applied to a research project. Topics include acid-base 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.

Concurrent enrollment in Chem 3100 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 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.

Prerequisite: Chem 1212K.

Concurrent enrollment in Chem 2400 is strongly suggested. One lecture and four laboratory hours a week. Modern quantitative and physical laboratory methods applied to the synthesis, separation, purification, identification, and physical and chemical properties of organic compounds.

CHEM 3110 ORGANIC CHEMISTRY LAB II 2.0

Organic Chemistry Laboratory II.

Prerequisite: Chem 2400.

Concurrent enrollment in Chem 3410 is strongly suggested. One lecture and four laboratory hours a week. Modern quantitative and physical laboratory methods applied to the synthesis, separation, purification, identification, and physical and chemical properties of organic compounds.

CHEM 3410 ORGANIC CHEMISTRY II 4.0

Organic Chemistry II.

Prerequisite: Chem 2400.

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 and Math 2212.

Two lecture and four laboratory hours a week. Chemical equilibria of acid-base systems, metal ion complexes and solubility, and their relationship to chemical analysis; use of manual and semiautomatic methods of data collection.

CHEM 4010 INST METHODS I: CHROMATOGRPHY 3.0

Instrumental Methods I: Chromatography.

Prerequisite: Chem 4000. 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.

Prerequisite: Chem 4000, 4010, 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 FOUR-TRANS NMR SPECTRO 2.0

Introduction to Fourier-Transform NMR Spectroscopy.

Prerequisites: demonstrated research need and approval of the department chair.

Introduction to techniques of Fourier-Transform Nuclear Magnetic Resonance Spectroscopy.

CHEM 4100 CHEMICAL LITERATURE 3.0

Chemical Literature.

Prerequisites: Chem 3110 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, Math 2212, Phys 2212K.

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.

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 problem solving 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 or equivalent.

Not acceptable for credit toward a BS degree in Chemistry. Thermodynamics, theories of solution, and principles of dynamics applied to biological systems.

CHEM 4160 CHEMISTRY LABORATORY IVA 2.0

Chemistry Laboratory IVA.

Prerequisites: Chem 4000 and 4110, 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 4110, 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.

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.

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.

Prerequisite: one year of organic chemistry (Chem 3140) and one semester of biochemistry (Chem 4600).

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.

Prerequisite: One year of organic chemistry with laboratory (Chem 3110).

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 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 ADV ORG CHEM: BIOORGANIC I 3.0

Advanced Organic Chemistry: Bioorganic I.

Prerequisite: one year of organic chemistry (Chem 3410).

Applications of the principles of organic chemistry to biochemical problems. Emphasis is on construction methods of bioorganic molecular models for biochemical processes.

CHEM 4410 ADV ORG CHEM: BIOORGANIC II 3.0

Advanced Organic Chemistry: Bioorganic II.

Prerequisite: one year of organic chemistry (Chem 3410).

Applications of the principles of organic chemistry to biochemical problems. Emphasis is on construction methods of bioorganic molecular models for biochemical processes.

CHEM 4450 MOLECULAR MODELING METHODS 2.0

Molecular Modeling Methods.

Prerequisites: Chem 3410, Chem 4110, or equivalent course work and consent of instructor.

Use of molecular mechanics 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.

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 structure-activity 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 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.

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.

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 and concurrent registration for 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).

(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.

Prerequisites: Biol 3800 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, 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 4792 COMPUTATIONAL CHEMISTRY 3.0

Computational Chemistry.

Prerequisites: Chem 4110 and Chem 4120, or equivalent;

instructor approval is required.

Two lecture and three laboratory hours a week. Application of current computational chemistry programs to research problems and projects.

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.

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 or equivalent.

(Same as Biol 4284.)

Two hours lecture and three hours laboratory 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 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 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 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 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.

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 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 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 or equivalent.

Continuing development of communicative skills in Mandarin Chinese. Further work with the writing system; reading of simple texts; and intermediate grammatical structures.

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.

COMPUTER INFORMATION SYSTEMS

CIS 2010 INTRO COMP-BASED INFO SYS 3.0

Introduction to Computer-based 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 fourth-generation languages.

CIS 3210 END USER APPL PROGRAMMING 3.0

End User Applications Programming.

Prerequisite: CIS 2010. 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 fourth-generation language and one interactive third-generation 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. 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 object-oriented concepts, database linkages, graphics, and developing applications for the Internet. User interface design, code optimization and help file creation are covered. Students use state-of-the-art development tools and design methods to implement applications that run on a standalone PC, a network, and the Internet.

CIS 3220 INTRO PROGRAMMING COBOL 3.0

Introduction to Programming in COBOL.

Prerequisite: CIS 2010. CSP: 1.

This course will introduce program design and file processing as practiced in the application of computers to business data processing. Common business programming topics such as data validation, report program design, control breaks, table processing, file sorting, and sequential-file update will be presented. The programming language COBOL will be used as a vehicle for the presentation of processing techniques.

CIS 3260 INTRO TO PROG IN C/C++ 3.0

Introduction to Programming in C/C++.

Prerequisite: CIS 2010. 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. 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 object-oriented 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 OBJECT-ORIENT PROG IN C++ 3.0

Object-Oriented Programming in C++.

Prerequisite: CIS 3260. CSP: 1, 4, 7.

This course introduces the object-oriented 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 object-oriented analysis and design, encapsulation, inheritance, and polymorphism.

CIS 3290 SOFTWARE DEVELOPMNT IN C++ 3.0

Software Development in C++.

Prerequisite: CIS 3280. CSP: 1, 2, 3, 4, 5, 6, 7, 8.

This course covers software development for the Windows operating system using the C++ programming language. Various approaches to application development are examined, including class libraries, code generators, and direct use of the API, MDI, and OLE applications are also discussed.

CIS 3295 WEB APPLICATION DEVLPMNT 3.0

Web Application Development.

Prerequisite: CIS 3270. CSP: 1, 2, 3, 4, 5, 6, 7, 8.

This course builds upon the skills and knowledge developed in CIS 3270. Emphasis is placed upon the development of enterprise applications in Internet environments. Major topics include development, infrastructure, and implementation. Design methodologies, client-side and server-side programming, and implementation techniques for enterprise-wide web applications are covered. Web servers and web application servers, as well as their integration with legacy systems, are also discussed. Students

use state-of-the-art development tools and design methods to implement an enterprise web application.

CIS 3300 SYSTEMS ANALYSIS 3.0

Systems Analysis.

Prerequisite: CIS 2010, CIS 3210 or CIS 3220 or CIS 3260.

CSP: 1, 4, 7.

This course provides an introduction to the analysis and logical design of computer-based 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 data-oriented and process-oriented approaches are covered.

CIS 3310 SYSTEMS DESIGN 3.0

Systems Design.

Prerequisite: CIS 3300 and completion of a CIS programming track (CIS 3260 and CIS 3280, or CIS 3260 and CIS 8270, or CIS 3210 and CIS 3215). 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. Both data-oriented and process-oriented design methods 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. CSP: 1, 4, 7.

This course introduces the subject of computer networks and the use of computer networks in business applications. Topics covered include client-server 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. 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. 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 high-speed 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. 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 knowledge-intensive business processes and exploit the vast amount of data available, especially in the Internet age, are explored. Students are exposed to several knowledge-based development environments for the construction of knowledge-intensive applications. Several knowledge-intensive 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.

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, alternative information system delivery modes, managing distributed and end-user computing project and operations management, systems security, and the management of information system professionals.

CIS 4850 SOFTWARE DEVELOP ENVIR 3.0

Software Development Environments.

Prerequisite: varies depending on topic. 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 4980 SYSTEM DEVELOPMENT PROJ 3.0

System Development Projects.

Prerequisite: Math 1070, DSc 3120, Fi 3300, Mgt 3500, Mk 3010; all required CIS 3000-level courses. CSP: 1, 2, 3, 4, 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 BBA-CIS majors at Georgia State University. It requires students to meet with clients during normal business hours.

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 2010 INTRO TO COMPUTER SCIENCE 3.0

Introduction to Computer Science.

Prerequisite or corequisite: Math 2420.

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; 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.

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.

Continuation of fundamental principles of computer programming. Topics covered include searching, sorting, and merging. Emphasis on structure and clarity as well as correctness.

CSC 3210 COMPUTER ORG & PROGRAMMING 3.0

Computer Organization and Programming.

Prerequisite: CSc 2310.

Computer structure and machine language, addressing techniques, macros, file I/O, program segmentation, and linkage.

CSC 3320 SYSTEM-LEVEL PROGRAMMING 3.0

System-Level Programming.

Prerequisite: CSc 2311.

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 3360 WINDOWING SYSTEMS PROGRAM 3.0

Windowing Systems Programming.

Prerequisite: CSc 2311.

Development of application software within windowed environments. Concepts of programming including graphical user interfaces, event-driven architectures, and object-oriented language programming with an application programming interface.

CSC 3410 DATA STRUCTURES 3.0

Data Structures.

Prerequisites: CSc 2311 and Math 2211.

Basic concepts and analysis of data representation and associated algorithms, including linearly-linked lists, multi-linked structures, trees, searching, and sorting.

CSC 4110 EMBEDDED SYSTEMS 4.0

Introduction to Embedded Systems Laboratory.

Prerequisites: Phys 3500; CSc 3210, or equivalent course work with consent of instructor.

(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; microprocessor based applications; digital communications; and embedded systems programming.

CSC 4210 COMPUTER ARCHITECTURE 4.0

Computer Architecture.

Prerequisite: CSc 3210.

Logic design, combinatorial and sequential circuits, input-output devices, memory, processors, controllers, parallel architectures, bit-slicing, reduced instruction sets.

CSC 4220 COMPUTER NETWORKS 4.0

Computer Networks.

Prerequisites: CSc 3320 and Math 3030.

Introduction to computer networks; details of layered network protocols with emphasis on functionality and analysis. Principles of relevant state-of-the-art network standards.

CSC 4230 VLSI DESIGN 4.0

VLSI Design.

Prerequisite: CSc 4210.

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 (multi-chip modules) and FPGA (field-programming gate arrays) technologies.

CSC 4250 VLSI CAD & COMPUTER ARCH LAB 4.0

VLSI CAD & Computer Architecture Laboratory.

Prerequisite: CSc 4210.

Introduction to design techniques and tools to design large-scale integrated circuits. The goals are to design and analyze digital integrated circuits in CMOS technology and to use modern computer-aided 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.

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 Signal Processing.

Prerequisites: CSc 4210/6210.

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.

Introduction to various parallel and distributed computing paradigms, algorithms, architectures, programming environments, and tools. Hands-on programming on both shared-memory and message-passing parallel architectures.

CSC 4320 OPERATING SYSTEMS 4.0

Operating Systems.

Prerequisite: CSc 3320.

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.

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.

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.

Techniques used in large scale scientific or technical software development, including requirements analysis, specification, systems design, implementation, testing, validation, verification, and maintenance.

CSC 4360 NETWORK-ORIENTED SOFTWARE DEV 4.0

Network-Oriented Software Development.

Prerequisite: CSc 3410 Data Structures.

Object-oriented design of network-oriented 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 state-of-the-art technologies.

CSC 4510 AUTOMATA 4.0

Automata.

Prerequisite: CSc 2311.

Theory of computing devices and the languages they recognize.

CSC 4520 DESIGN & ANALYSIS: ALGORITHMS 4.0

Design and Analysis of Algorithms.

Prerequisite: CSc 3410.

Techniques for designing efficient algorithms; analysis of algorithms; lower bound arguments; algorithms for sorting, selection, graphs, and string matching.

CSC 4610 NUMERICAL ANALYSIS I 3.0

Numerical Analysis I.

Prerequisites: Math 2215 and the ability to program in a high-level language.

(Same as Math 4610.)

Nature of error; iteration; techniques for nonlinear systems; zeros of functions; interpolation; numerical differentiation; Newton-Cotes formulae for definite integrals; computer implementation of algorithms.

CSC 4620 NUMERICAL ANALYSIS II 3.0

Numerical Analysis II.

Prerequisite: Math 3030 or 3435, and the ability

to program in a high-level language.

(Same as Math 4620.)

Gaussian Elimination for linear systems; least squares; Taylor, predictor-corrector and Runge-Kutta 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 or written approval of instructor.

(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 three-dimensional 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.

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 HUMAN-COMPUTER INTERACTION 4.0

Human-Computer Interaction.

Prerequisite: CSc 2311.

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; for all other majors, consent of instructor.

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.

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.

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.

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 high-level language and a simulation language.

CSC 4840 COMPUTER GRAPHICS IMAGING 3.0

Computer Graphics Imaging.

Prerequisite: consent of instructor.

(Same as GrD 4840/Film 4840.)

Modeling techniques include lofting, extrusion, surfaces of revolution, constructive solid geometry, procedural modeling, metaballs, and others. Image synthesis techniques include scan-line graphics, ray tracing, and radiosity. Also covered are anti-aliasing, surface mapping, shadowing, lighting, and other relevant topics.

CSC 4841 COMPUTER ANIMATION 3.0

Computer Animation.

Prerequisite: CSC 4840.

(Same as GrD 4841/Film 4841.)

Three-dimensional 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.

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.

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 upper-division hours in computer science.

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.

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.

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

This course provides students with 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 social 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.

A survey of different research efforts and results in the field of criminal justice.

CRJU 3030 CRIMINAL JUSTICE PLANNING 3.0

Criminal Justice Planning.

A study of the techniques and policies of short- and long-range comprehensive planning in criminal justice.

CRJU 3070 RACE AND THE CJ SYSTEM 3.0

Race and the Criminal Justice System.

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 non-Criminal Justice majors only.

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.

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.

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.

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.

A survey of the history and present status of correctional procedures and the administration of correctional institutions.

CRJU 3410 CRIMINOLOGY 3.0

Criminology.

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.

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.

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.

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.

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.

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.

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.

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 4080 CRIME AND THE MEDIA 3.0

Crime and the Media.

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.

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.

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.

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.

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.

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

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.

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.

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.

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.

An analysis of major substantive issues in the field of criminal law affecting sentencing, post-conviction remedies, and institutional and community-based corrections.

CRJU 4760 ADJUD OF CRIM CASES 3.0

Adjudication of Criminal Cases.

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.

An introduction and description of the legal liabilities of criminal justice personnel in the United States.

CRJU 4900 SELECTED TOPICS IN CJ 3.0

Selected Topics in Criminal Justice.

Prerequisite: consent of instructor.

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.

A consideration of selected legal topics arising in the criminal justice system.

CRJU 4920 COMMUNITY POLICING 3.0

Community Policing.

An in-depth 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.

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 CrJu 4940.

CRJU 4940 CRIM JUST FIELD INSTRUC 3.0 to 6.0

Criminal Justice Field Instruction.

Corequisite: CrJu 4930.

(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 4950 CRIT THINK ABOUT CJ RESEARCH 3.0

Critical Thinking about Criminal Justice Research.

This course is designed to develop and enhance the ability of students to critically analyze and review research in criminal justice.

CRJU 4960 DOMESTIC TERRORISM 3.0

Domestic Terrorism.

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 6.0

Readings in Criminal Justice.

Prerequisite: Consent of instructor.

Permits selected qualified students to pursue an approved topic through independent study under the direction of a faculty member.

DECISION SCIENCES

DSC 3120 GEN MODEL TECH W/APPLICA 3.0

Generalized Modeling Techniques with Applications.

Prerequisite: Math 1070. CSP: 1, 2, 6.

B.B.A. students may not register for this course until Econ 2105, Econ 2106, and Acct 2102 are passed with degree credit.

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, deterministic simulation, time series and causal forecasting, decision analysis, and Monte Carlo simulation. The course emphasizes hands-on application of the techniques using commonly available software.

DSC 4020 BUSINESS INTELLIGENCE 3.0

Introduction to Business Intelligence

Prerequisite: DSc 3120. CSP: 1, 2, 4, 6.

This course focuses on the features, uses, and design strategies for IT-enabled managerial decision support. Model-based, data-based, and knowledge-based applications 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.

DSC 4100 ANALYSIS OF BUSINESS DATA 3.0

Analysis of Business Data.

Prerequisite: Math 1070 or consent of instructor. CSP: 1, 6.

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.

DSC 4120 BUS MODEL & OPTIMIZATION 3.0

Business Modeling and Optimization.

Prerequisite: DSc 3120. CSP: 1, 3, 4, 7.

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 nontechnical recommendation to management backed up by clearly organized technical appendices.

DSC 4130 PROBLEM SOLVING 3.0

Problem Solving. (Same as Mgt 4130.)

Prerequisite: DSc 3120.

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.

DSC 4220 MGT SUPPORT SYSTEMS 3.0

Management Support Systems.

Prerequisites: DSc 4020, DSc 4120, and DSc 4130.

CSP: 1, 2, 3, 4, 6.

In this course the students function in decision-making teams within a complex business simulation game.

A team is supported by a specific decision support system that is customized and maintained by the team. Students also develop supplementary support models, write user documentation of models, and present written and oral reports of decision strategies.

DSC 4240 BUSINESS MODELING 3.0

Business Modeling

Prerequisite: DSc 3120. CSP: 1, 2, 3, 6.

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.

DSC 4389 DIR READ IN DECISION SCI 1.0 to 3.0

Directed Readings in Decision Sciences.

Prerequisite: consent of instructor.

DSC 4760 TOTAL QUALITY MANAGEMENT 3.0

Total Quality Management. (Same as Mgt 4760.)

Prerequisite: DSc 3120. CSP: 1, 2, 3, 6.

The course emphasizes the strategic importance of quality, the management of quality, problem-solving 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.

DRAWING AND PAINTING

DP 3020 LIFE DRAWING 3.0

Life Drawing.

Prerequisite: Art 1020.

Structure, composition, representation, and interpretation of the human figure.

DP 3100 DRAWING & COMPOSITION 4.0

Drawing and Composition.

Prerequisites: Art 1020, 1030, 1040.

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/ WATER-BASED MEDIA 4.0

Painting with Water-Based Media.

Prerequisites: Art 1020, 1030, 1040.

Technical and organizational concerns using water-based media. May be repeated for a maximum of six credit hours.

DP 3300 PAINTING: OIL-BASED MEDIA 4.0

Painting with Oil-Based Media.

Prerequisite: Art 1020, 1030, 1040.

Technical and organizational concerns using oil-based media. May be repeated for a maximum of six credit hours.

DP 4000 SELECTD TOPICS IN DRAW & PAINT 4.0

Selected Topics in Drawing and Painting.

Prerequisite: DP 3100.

Special topics for drawing and painting majors.

May be repeated for a maximum of 8 credit hours.

DP 4500 DIR STUDY: DRAWING & PAINTING 4.0

Directed Study in Drawing and Painting.

Prerequisites: DP 3200 and 3300.

Individual studio problems for advanced students.

May be repeated for a maximum of 16 credit hours.

DP 4940 PORTFOLIO I 3.0

Portfolio I.

Prerequisite: DP 4500.

Senior-year studio experiences for B.F.A. degree candidates. Committee review.

DP 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite: DP 4940 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 School director.

Independent studies initiated by the student. May be repeated for a maximum of six credit hours.

EARLY CHILDHOOD EDUCATION

ECE 3010 INTRO TO EARLY CHILDHOOD EDUC 2.0

(TEA) 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 pre-kindergarten through fifth-grade classrooms are included.

ECE 3021 CHILD DEVELOPMENT 3.0

(TEA) Child Development.

Corequisites: ECE 3010, 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 pre-kindergarten through fifth-grade classrooms are included.

ECE 3031 CULTURAL DIVERSITY IN ECE 3.0

(TEA) Cultural Diversity in Early Childhood Education.

Corequisites: ECE 3010, 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 pre-kindergarten through fifth-grade classrooms are included.

ECE 3250 ESOL:LNG ACQUISITION/ASSESSMNT 3.0

(TEA) 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 non-ESOL classrooms with significant culturally and linguistically diverse student populations.

ECE 3255 ESOL: CULTURAL FOUNDATIONS 3.0
(TEA) 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 intercultural interactions is considered. Students have continuous supervised field placement in ESOL classrooms as well as in non-ESOL classrooms with significant culturally and linguistically diverse student populations.

ECE 3440 ESOL: CURRICULUM & INSTRUCTION 3.0
(TEA) 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 non-ESOL classrooms with significant culturally and linguistically diverse student population.

ECE 3600 LANGUAGE AND LITERACY 3.0
(TEA) Language and Literacy.
Corequisites: ECE 3010, 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 pre-kindergarten through fifth-grade classroom.

ECE 3601 READING/LANGUAGE ARTS IN ECE I 6.0
(TEA) Reading and Language Arts in Early Childhood Education I.
Prerequisite: ECE 3600.
Corequisites: ECE 3603, ECE 3606, 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 second-grade classrooms are included.

ECE 3602 READING/LANGUAGE ARTS IN ECE II 3.0
(TEA) Reading and Language Arts in Early Childhood Education II.
Prerequisite: ECE 3601.

Corequisites: ECE 3604, 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 third-grade through fifth-grade classrooms are included.

ECE 3603 MATHEMATICS & TECHNOLOGY ECE I 3.0
(TEA) 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 second-grade classrooms are included.

ECE 3604 MATHEMATICS & TECHNOLOGY ECE II 3.0
(TEA) 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 third-grade through fifth-grade classrooms are included.

ECE 3605 SOCIAL STUDIES METHODS IN ECE 3.0
(TEA) Social Studies Methods in Early Childhood Education.
Prerequisite: ECE 3600.
Corequisites: ECE 3602, ECE 3604, 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 second-grade classrooms are included.

ECE 3606 SCIENCE AND INQUIRY IN ECE 3.0
(TEA) Science and Inquiry in Early Childhood Education.
Prerequisite: ECE 3021.
Corequisites: ECE 3601, ECE 3603, 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 third-grade through fifth-grade classrooms are included.

ECE 3661 CLASSROOM MGMTMNT ECE/FLD EXP I 3.0
(TEA) Classroom Management in Early Childhood Education Field Experience I.

Corequisites: ECE 3010, 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.

ECE 3662 CLASSRM MGTMENT ECE/FLD EXP II 3.0
(TEA) Classroom Management in Early Childhood Education Field Experience II.

Prerequisite: ECE 3661.

Corequisites: ECE 3601, ECE 3603, and ECE 3606.
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.

ECE 3663 CLASSRM MGMTMNT ECE/FLD EXP III 3.0
(TEA) Classroom Management in Early Childhood Education Field Experience III.

Prerequisite: ECE 3662.

Corequisites: ECE 3602, ECE 3604, 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.

ECE 4650 OPENING SCHOOL EXPERIENCE 1.0
(TEA) 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.

ECE 4661 STUDENT TEACHING 12.0
(TEA) Student Teaching.

Prerequisites: all courses in areas A-G 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.

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)

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 sub-Saharan 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 GSU-Morehouse College economic studies abroad in South Africa course is designed to give students a broad understanding of the South African economy, its infrastructure, 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 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, cost-benefit 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 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.

EDUCATION/BUSINESS, & TECHNOLOGY

EDBT 3020 INSTRUCTN DEVELOPMNT TECHNOLOGY 3.0

Instructional Development in Technology, Career-Prep.

Students develop skills in organizing an instructional delivery system. Prepares students to adjust instructional time and learning opportunities to provide for mastery learning in outcome-based 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-Prep.

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 TEACHG PRACT TECHN CAREER-PREP 3.0

Teaching Practicum in Technology, Career-Prep.

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 TEACHG PRACT TECHN CAREER-PREP 3.0

Teaching Practicum in Technology, Career-Prep.

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 TEACHG PRACT TECHN CAREER-PREP 3.0

Teaching Practicum in Technology, Career-Prep.

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/PRCTICE TECHN CAREER-PREP 3.0

Principles and Practices in Technology, Career-Prep.

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 INSTR MGMTMNT TECHN CAREER-PREP 3.0

Instructional Management in Technology, Career-Prep.

Prepares instructors to improve the academic thinking skills of students enrolled in competency-based 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 STRATGY TECH CAREER-PREP 3.0

Instructional Strategies in Technology, Career-Prep.

Introduces students to strategies and methods for delivering job-related 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 3.0 to 9.0

Applied Practice.

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 INDEPENDENT STUDY 3.0 to 9.0

Independent Study.

Prior approval by advisor or department chair required.

This course provides an in-depth 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.

EDUCATION/CURRICULUM & INSTRUCTION

EDCI 3200 INSTRUCT/ORG ISSUES MIDDLE GR 3.0

(TEA) Instructional and Organizational Issues in the Middle Grades.

Examines the major programmatic and organizational features of middle schools as they relate to the instructional needs of middle graders. Addresses middle school philosophy, organizational, curriculum, teaching patterns, classroom management, and student support services. Introduces middle grade programmatic issues such as diversity, student-centered instruction, technology, interdisciplinary, collaborative teaching, and higher order thinking. Provides initial program identity and portfolio development. School observations are included.

EDCI 3220 EMPOWERING DIV LEARNERS MID GR 3.0

(TEA) 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

(TEA) 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, content-specific 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 4220 DIVERSITY & COMMUNIC IN MID GR 3.0

(TEA) Diversity and Communication in the Middle Grades.

Focuses on aspects of diversity (cultural/ethnic, language, gender, religious, socioeconomic, and ability/disability) and the equity issues involved in educating all children. Major emphases include understanding the role of educator's expectations, knowledge, and pedagogy on student expectations and learning, and on the development of viable interpersonal communication and instructional techniques for diverse classrooms. School and community observations and participation are included.

EDCI 4600 PRACTICUM 3.0 to 6.0

(TEA) 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

(TEA) Critical Issues in Secondary Education.

Students conduct research and reflect on critical issues in secondary education in today's changing world.

EDCI 4640 CRITICAL ISSUES MID CHILDHD ED 3.0

(TEA) Critical Issues in Middle Childhood Education.

Students conduct research and reflect on critical issues in middle schools in today's changing world.

EDCI 4700 STUDENT TEACHING MIDDLE GRADES 12.0

(TEA) 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.

EDCI 4750 STUDENT TEACHING SECONDARY SCH 9.0

(TEA) 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.

EDCI 4810 DIRECTED READING IN TCHG/ LRNG 3.0

Directed Reading in Teaching and Learning.

Prerequisite: consent of instructor.

Students engage in the in-depth study of appropriate topics in teaching and learning. (Repeatable)

EDUCATION/LANGUAGE ARTS

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

(TEA) 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.

EDUCATION/MATHEMATICS

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

(TEA) 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.

EDMT 4560 PRINCIPLES OF MATH INSTRUCTION 3.0

(TEA) Principles of Mathematics Instruction.

Examines lesson planning, instructional materials, teaching strategies, technology use, and assessment procedures for teaching secondary school mathematics.

EDUCATION/READING

EDRD 0071 ACADEMIC READING 4.0

Academic Reading.

Prepares students for college-level reading, focusing on reading, studying, writing about, and taking tests on the content of texts from various disciplines represented in the

undergraduate curriculum. Special emphasis is given to learning and integrating information from multiple sources such as textbook chapters, journal articles, books, and lectures.

EDRD 3490 READING METHODS MID CHILDHD ED 3.0

(TEA) 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

(TEA) 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.

EDRD 4590 MTHD/MATERIAL RDG SECONDARY ED 3.0

(TEA) Methods and Materials of Reading for Secondary Education.

Corequisites: EDLA 4550 and EDCI 4600.

Students examine the reading skills and abilities needed by students in grades 7-12 and focus on appropriate instructional strategies.

EDUCATION/SCIENCE

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 CONCPPTS/MTHDS MI CHLD SCIENCE 3.0

(TEA) 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.

EDUCATION/SOCIAL STUDIES

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 CNCPT/MTHD MID CHD SOC STUDIES 3.0

(TEA) 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.

EDUCATIONAL POLICY STUDIES

EPS 3070 CONFLICT RES:SERVICE LRNG PROJ 4.0

Conflict Resolution in Schools: A Service Learning Project.

The course provides the pedagogical content knowledge necessary for effective conflict resolution instruction P-12. The course begins with a 16-hour intensive workshop prior to the beginning of fall term classes. During the last few weeks of class, students will be assigned two hours per week in the public school. The course covers an understanding of conflict, types of conflict, causes of conflict, traditional and nontraditional ways of handling conflict, communication, problem solving and negotiation skills, anger management, and a study of power. Taught with EPS 6070.

EPS 3071 CONFLICT RES IN SCHL:PRACTICUM 4.0

Conflict Resolution in Schools: Practicum.

Prerequisite: EPS 3070.

This spring term course begins with an eight-hour workshop on the mediation process. Students learn the skill of mediation and how it can be applied as a next step in the

conflict resolution process. All classes are held at an assigned school site. Fieldwork in schools continues training in conflict resolution, creating new mediation programs or supporting existing programs, and assisting in appropriate support areas such as counseling centers and after school programs. Students receive teaching supervision and on-site training from CNCR staff. Students conduct ongoing research and evaluation of their training, keep a journal, and write a final paper on their findings. Taught with EPS 6071. Completion of this course may lead to qualification for registration with the Office of Dispute Resolution.

EDUCATIONAL POLICY STUDIES/ 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.

EDUCATIONAL PSYCHOLOGY

EPY 2050 HUMAN GROWTH AND DEVELOPMENT 3.0
Human Growth and Development.

Students study the principles and processes of growth and development from conception through adulthood with emphasis on various phases of development and their relations to the learning process. This course also addresses the effective use of technology and covers issues related to diversity and ethics. A field component is included.

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.

EPY 4190 INTRO TO BEHAVIOR MODIFICATION 3.0
Introduction to Behavior Modification.

Students study the principles underlying behavior analysis as they apply to various settings. Applied behavior projects are required. Emphasis is placed on empirical findings.

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 1101I ENG COMP FOR NON-NATIVE SPKRS1 3.0

English Composition for Non-native Speakers of English I.

Fulfills the Engl 1101: English Composition I requirement. The course is taught by instructors who are trained to teach second language writing. It is designed to increase non-native speaking students' academic writing abilities, including organization and development of ideas, paraphrasing and summarizing of reading selections, use of academic language structures to create coherence, and basic research skills. Revision and editing skills are stressed, and grammar review is provided as necessary. Readings consider issues of contemporary social and cultural concern. Passing grade is C.

ENGL 1102 ENGLISH COMPOSITION II 3.0

English Composition II.

Prerequisite: grade of C or higher in Engl 1101.

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: grade of C or higher in Engl 1102 or equivalent.

Nonspecialized techniques of writing that go beyond Engl 1102 or 1103 to prepare students for upper-level writing courses as well as for academic or professional writing.

ENGL 2110 WORLD LITERATURE 3.0

World Literature.

Prerequisite: grade of C or higher in Engl 1102 or equivalent.

May be listed as a course in the Department of Modern and Classical Languages. A survey of important works of world literature.

ENGL 2120 BRITISH LITERATURE 3.0

British Literature.

Prerequisite: grade of C or higher in Engl 1102 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: grade of C or higher in Engl 1102 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: grade of C or higher in Engl 1102 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 3080 HIST,THRY&PRCT/ARGMNTV WRITING 3.0

History, Theory, and Practice of Argumentative Writing.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103. 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: grade of C or higher in Engl 1102 or 1103.

Readings from selected writers such as Montaigne, Swift, Bacon, Coleridge, and Woolf. Practice at methods for developing nonfiction prose.

ENGL 3100 20TH-C COMP THEORY & PRACTICE 3.0

Twentieth-Century Composition Theory and Practice.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103.

Study of composition from current-traditional to postmodern rhetoric.

ENGL 3110 TECHNICAL WRITING 3.0

Technical Writing.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103.

Intensive study of scientific and technical style; practice at various formats, including reports, proposals, instructional manuals, and professional papers.

ENGL 3120 ELECTRONIC WRITING &PUBLISHING 3.0

Electronic Writing and Publishing.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103.

Study of on-line writing and electronic publishing, including asynchronous and synchronous media. May include document creation from computer-aided print publishing to hypertext and Internet publishing.

ENGL 3130 BUSINESS WRITING 3.0

Business Writing.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103.

Advanced composition applied to business writing techniques and problems.

ENGL 3135 VISUAL RHET IN ELECT ENVIRONS 3.0

Visual Rhetoric in Electronic Environments.

Presents visual information design theories and practices for professional writers. Examines the use of visual meanings in the production of texts, the influence of visual culture on written discourse, and electronic document production.

ENGL 3140 EDITING 3.0

Editing.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103.

Skills and resources needed for preparing unpublished documents for publication. May include academic publishing, textual editing, and commercial applications.

ENGL 3145 FEMINIST RHETORIC OF TECHNOLOGY 3.0

Feminist Rhetorics of Technology.

(Same as WSt 3145.)

Examines feminist rhetorical approaches to science and technology and activist technological practices.

ENGL 3150A INTRO TO CREATIVE WRIT-POETRY 3.0

Introduction to Creative Writing - Poetry.

Prerequisite: Nonmajors must have a grade of C or higher in Engl 2120 or 2130.

Introduction to the writing of poetry for the novice writer; practice in styles, points of view, and structure.

ENGL 3150B INTRO TO CREATIVE WRIT-FICTION 3.0

Introduction to Creative Writing - Fiction.

Prerequisite: Nonmajors must have a grade of C or higher in Engl 2120 or 2130.

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: grade of C or higher in Engl 3150 (fiction).

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: grade of C or higher in Engl 3150 (poetry).

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.

Prerequisite: Nonmajors must have a grade of C or higher in Engl 2120 or 2130.

Study of important voices in contemporary American and English poetry, with discussion of current literary climates.

ENGL 3180B CONTEMPORARY FICTION 3.0

Contemporary Fiction.

Prerequisite: Nonmajors must have a grade of C or higher in Engl 2120 or 2130.

Study of important voices in contemporary American and English fiction, with discussion of current literary climates.

ENGL 3190 LANG ANALYSIS FOR ENG TEACHERS 3.0

Language Analysis for Teachers of English.

Nonmajor prerequisite: grade of C or higher in Engl 1102 or 1103.

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: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120,

2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

Critical and theoretical perspectives on literature, art, and culture from Saussure to the present.

ENGL 3250 CONTEMPORARY THEORY 3.0

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 STUDIES IN POPULAR CULTURE 3.0

Studies in Popular Culture.

Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140.

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 BRITISH-AMERICAN CULTURE SEM I 3.0 to 4.0

British-American 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 BRITISH-AMERICAN CULTURE SEM II 3.0 to 4.0

British-American 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: grade of C or higher in Engl 2120.

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: grade of C or higher in Engl 2120.

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 eighteenth-century novels, nineteenth-century novels, or

modern novels. May be repeated for credit if topic varies.

ENGL 3300 MEDIEVAL ENGLISH LITERATURE 3.0

Medieval English Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

English literature from the Anglo-Saxon 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 ENGLISH RENAISSANCE LIT I 3.0

English Renaissance Literature I.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Sixteenth-century English poetry, prose, and drama.

ENGL 3410 ENGLISH RENAISSANCE LIT II 3.0

English Renaissance Literature II.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Earlier seventeenth-century English poetry, prose, and drama; special attention to Donne and Jonson.

ENGL 3500 RESTOR/EARLY 18TH-C ENG LIT 3.0

Restoration and Earlier Eighteenth-Century English Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works by such authors as Dryden, Swift, Pope, and Lady Mary Wortley Montague.

ENGL 3510 LATER 18TH CENT ENGLISH LIT 3.0

Later Eighteenth-Century English Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works by such authors as Johnson, Boswell, Burney, Goldsmith, and Gray.

ENGL 3600 EARLY ENGLISH ROMANTIC LIT 3.0

Early English Romantic Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Works by such authors as Wollstonecraft, Blake, Baillie, Barbauld, Scott, Lamb and Coleridge.

ENGL 3605 LATE ENGLISH ROMANTIC LIT 3.0

Late English Romantic Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Works by such authors as Byron, Hemans, Percy Shelley, Mary Shelley, Keats, Landon, DeQuincy, and Hazlitt.

ENGL 3610 ENGLISH VICTORIAN POETRY 3.0

English Victorian Poetry.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works by such authors as Tennyson, Browning, Arnold, Christina Rossetti, the Pre-Raphaelites, Hopkins, and Hardy.

ENGL 3620 19TH-C ENG NON-FICTION PROSE 3.0

Nineteenth-Century English Nonfiction Prose.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works by such writers as Coleridge, DeQuincy, Darwin, Hazlitt, Gaskell, Carlyle, George Eliot, Newman, and Wilde.

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: 1900-1945 3.0

English Literature: 1900-1945.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works by writers from Great Britain, Ireland, and other English-speaking 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: 1945-PRESENT 3.0

English Literature: 1945-Present.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works by writers from Great Britain, Ireland, and other English-speaking nations. Writers such as Larkin, Lessing, Rushdie, Pinter, Stoppard, Walcott, and Churchill; issues such as postmodernism and responses to political violence.

ENGL 3720 20TH-CENTURY ENGLISH POETRY 3.0

Twentieth-Century English Poetry.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

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: grade of C or higher in Engl 2130.

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: 1820-1865 3.0

American Literature: 1820-1865.

Nonmajor prerequisite: grade of C or higher in Engl 2130.

Emphasis on writers such as Poe, Fuller, Emerson, Thoreau, Hawthorne, Melville, Douglass, Dickinson, and Whitman.

ENGL 3820 AMERICAN LIT: 1865-1914 3.0

American Literature: 1865-1914.

Nonmajor prerequisite: grade of C or higher in Engl 2130.

Emphasis on writers such as Chesnutt, Twain, James, Wharton, Crane, Dreiser, Chopin, Dunbar, and Adams.

ENGL 3830 AMERICAN LIT: 1914-1945 3.0

American Literature: 1914-1945.

Nonmajor prerequisite: grade of C or higher in Engl 2130.

Emphasis on writers such as Frost, Stein, Anderson, Hemingway, Eliot, Stevens, Cather, Faulkner, Wright, Fitzgerald, Toomer, and Hurston.

ENGL 3840 AMERICAN LIT: 1945-PRESENT 3.0

American Literature: 1945-Present.

Nonmajor prerequisite: grade of C or higher in Engl 2130.

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: grade of C or higher in Engl 2130.

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: grade of C or higher in Engl 2130.

Selected plays and theatre history, primarily from the twentieth century, including works from such playwrights as O'Neill, Glaspell, Williams, Miller, Albee, Hansberry, Fommes, Wilson, Mamet, and Shepard.

ENGL 3870 AMERICAN FICTION 3.0

American Fiction.

Nonmajor prerequisite: grade of C or higher in Engl 2130.

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: grade of C or higher in Engl 2130.

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 3900 IRISH LITERATURE 3.0

Irish Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

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: grade of C or higher in Engl 2120, 2130, or 2140.

(Depending on topic, may be cross-listed with African-American Studies as AAS 3940.)

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 AFRICAN-AMERICAN LIT 3.0

African-American Literature.

Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140.

(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 AFR-AMER COMMUNITY 3.0

Language in the African-American Community.

Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140.

(Same as AAS 3955.)

A sociolinguistic study of the characteristics that define and connote the varieties of African-American English: origins, currents of change, functions of functions of language identity, styles, and modes of discourse.

ENGL 3960 AFRICAN-AMERICAN LIT BY WOMEN 3.0

African-American Literature by Women. (Same as AAS 3960/WSt 3960.)

Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140.

(Same as AAS 3960/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: grade of C or higher in Engl 2120, 2130, or 2140.

(Same as AAS 4890.)

Survey of literature of the English-speaking 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: grade of C or higher in Engl 2120, 2130, or 2140.

(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: grade of C or higher in Engl 2120, 2130, or 2140.

(Same as WSt 3990.)

Selected works by women writers after 1800.

Multicultural and inclusive in scope; may include Mary Shelley, the Brontës, Dickinson, Cather, Woolf, Emecheta, Hurston, Morrison, and Esquivel.

ENGL 3995 FEMINIST LITERARY CRITICISM 3.0

Feminist Literary Criticism.

Nonmajor prerequisite: grade of C or higher in Engl 2120, 2130, or 2140.

(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 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: grade of C or higher in Engl 2120. A selection of Chaucer's works, including Troilus and Criseyde and The Canterbury Tales.

ENGL 4120 SPENSER 3.0

Spenser.

Nonmajor prerequisite: grade of C or higher in Engl 2120. The Shepherdes Calender, The Faerie Queene, and other

selected works of Spenser.

ENGL 4130 SHAKESPEARE I 3.0

Shakespeare I.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works from the first half of Shakespeare's career, such as *Romeo and Juliet*, *Julius Caesar*, *Much Ado About Nothing*, *As You Like It*, and the sonnets.

ENGL 4140 SHAKESPEARE II 3.0

Shakespeare II.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

Selected works from the second half of Shakespeare's career, such as *Othello*, *King Lear*, *Macbeth*, and *The Tempest*.

ENGL 4150 MILTON 3.0

Milton.

Nonmajor prerequisite: grade of C or higher in Engl 2120.

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 nineteenth-century American culture, and literature of World War I. May be repeated for credit if topic varies.

ENGL 4300 SENIOR SEM: LITERARY STUDIES 3.0

Senior Seminar: Literary Studies.

Prerequisite: Majors must have completed at least 12 semester hours of upper-division 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: grade of C or higher in Engl 3150A and 3160.

For English majors only. Majors must have completed at least 12 semester hours of upper-division 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: grade of C or higher in Engl 3150B and 3170.

For English majors only. Majors must have completed at least 12 semester hours of upper-division English coursework before registering.

Writing and critique of student work at an advanced level. (Limited to 15 students.)

ENGL 4320 SR SEM: ADVANCED COMP & RHET 3.0

Senior Seminar: Advanced Composition and Rhetoric.

Prerequisite: majors must have completed at least 12 semester hours of upper-division English course work before registering.

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.

Prerequisites: 12 hours upper-division 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 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.

EXCEPTIONAL CHILDREN

EXC 2010 EXCEPTIONAL CHILDREN AND YOUTH 3.0

Exceptional Children and Youth.

Students learn about the education of exceptional students, with an emphasis on appropriate educational identification and programming. This course integrates issues from instruction with the wide range of abilities and teaching practices that are effective with these abilities.

Successful completion meets the State of Georgia requirements for House Bill 671. This course also addresses the effective use of technology and covers issues related to diversity and ethics. A field component is included.

EXC 4320 INTRO TO LANGUAGE DISORDERS 3.0

Introduction to Language Disorders.

Prerequisites: Major in Communication or Communication Disorders and SPCH 4400; or consent of instructor.

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.

Prerequisites: Major in Communication or Communications Disorders; or consent of instructor.

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 non-manual markers of American Sign Language at the intermediate level. Students increase their understanding of deaf culture. (Taught with EXC 6380.)

EXC 4810 DIRECTED READG & RESEARCH-SPE 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)

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 Picture.

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 3.0

Lighting Design for Theatre, Film, and Television.

(Same as Jour 3000 and Thea 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.

FILM 3300 DRAMATIC WRITING 3.0

Dramatic Writing for Stage and Screen.

Prerequisite: consent of instructor.

(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.

(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 4120 FILMMAKING I 4.0

Filmmaking I.

Prerequisites: Film 1010 and 2700.

Two lecture and two laboratory hours per week.

Introduction to basic filmmaking, including processes and equipment. Students must bear the cost of all materials and services required for the completion of class projects and assignments. (Special authorization required. See degree requirements.)

FILM 4125 COMMUNITY-BASED MEDIA PROD 4.0

Community-Based Media Production

Prerequisite: consent of instructor.

Two lecture and two lab hours. Seminar combines service learning and digital video production to preserve stories of overlooked local communities.

FILM 4130 FILMMAKING II 4.0

Filmmaking II.

Prerequisites: Film 4120 and consent of instructor.

Film and single camera video methods in location directing, lighting, and sound. Script development and casting also included as part of project work. 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.

FILM 4140 POSTPRODUCTION 4.0

Postproduction.

Prerequisite: Film 4130.

(Formerly Film 415.) Film and video postproduction processes and techniques, including all stages of editing, audio mixing, answer print, and off-line review. 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.

FILM 4170 HOLLYWOOD CINEMA TO 1967 3.0

Hollywood Cinema to 1967.

Prerequisites: Film 1010 and 2700.

Examination of the careers of John Ford, Orson Welles, Alfred Hitchcock, or other major American directors. Discussion of auteur theory and the director in classic Hollywood filmmaking.

FILM 4180 INTERNATIONAL CINEMA 3.0

International Cinema.

Prerequisites: Film 1010 and 2700.

Survey of major international films and their contribution to world cinema from the modernist to the contemporary era. Films will be studied in their immediate cultural and larger historical and critical contexts.

FILM 4210 CRITICAL HISTORY OF TV 3.0

Critical History of Television.

(Same as Comm 6210.)

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 3.0

Documentary Film.

Prerequisite: Film 1010.

The history of nonfiction film and production.

FILM 4250 PRODUCING FOR TV & FILM 3.0

Producing for Television and Film.

Prerequisite: Film 2700.

(Same as Comm 6250.)

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 3.0

Film and Literature.

Prerequisites: Film 1010 and 2700.

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 3.0

Film Genres.

Prerequisite or co-requisite: Film 1010 and 2700.

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 3.0

Feature Screenwriting I.

Principles of writing the full-length 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.

Principles of writing the full-length 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.

(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 3.0

Film Theory and Criticism.

Prerequisites: Film 1010 and 2700.

Film form and techniques; theoretical and critical writing about film; screenings.

FILM 4760 AFRICAN-AMERICANS IN FILM 3.0

African Americans in Film.

(Same as AAS 4900.)

Mainstream Hollywood representation of African-Americans and the alternative film portrayals by African-American producers.

FILM 4776 AFRICA AND HOLLYWOOD 3.0

Africa and Hollywood: Myth, Romance, and Savage Imagery.

Prerequisites: Film 1010 and 2700.

(Same as AAS 4776.)

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 3.0

Special Topics.

May be repeated once if topic varies.

FILM 4800 AMERICAN FILM & TV INDUSTRIES 3.0

American Film and TV Industries.

Technological, economic, historical, political, and social forces that shape the industries.

FILM 4810 MEDIA AND POPULAR CULTURE 3.0

Media and Popular Culture

Prerequisites: Film 1010 and 2700. (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.

(Same as CSc 4840/GrD 4840.)

Modeling techniques include lofting, extrusion, surfaces of revolution, constructive solid geometry, procedural modeling, metaballs, and others. Image synthesis techniques include scan-line graphics, ray tracing, and radiosity. Also covered are anti-aliasing, surface mapping, shadowing, lighting, and other relevant topics. (For film majors.)

FILM 4841 COMPUTER ANIMATION 3.0

Computer Animation.

Prerequisites: Film 1010 and 2700.

(Same as CSc 4841/GrD 4841.)

Three-dimensional computer animation including classical animation techniques, cel animation, key framing, storyboarding, physically based 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, 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.

Individually designed project in the area of film utilizing on-campus and/or field resources. May be repeated for a maximum of nine hours.

FILM 4960 CONTEMPORARY HOLLYWOOD CINEMA 3.0

Contemporary Hollywood Cinema.

Prerequisites: Film 1010 and 2700.

Examination of the careers of directors such as Coppola, Scorsese, Altman, Spielberg, and Lee. Discussion of post-studio filmmaking from the late 1960s to the present day; effects of conglomeration and studio oligopoly on filmmaking with emphasis on political/artistic achievement.

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.

FINANCE

FI 3010 CONSUMER FINANCE 3.0

Consumer Finance.

Prerequisites: None.

(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. 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 income-producing physical assets, determination of the cost of capital and the profitability of proposed investments in fixed assets, risk-return 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. CSP: 1, 2, 6.

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.

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, common-sized statements, cash budgets, proforma statements, sustainable growth rates, and cost-volume-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.

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.

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.

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, bond-equity-portfolio management, and overall asset allocation. Practical aspects of portfolio management 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.

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 restructurings and research and development. They also form

the basis for the valuation of firms in traditional and new-technology 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.

This course focuses on financial policy-making and practical applications of the topics covered in Fi 4300 through case analyses, complementary contemporary readings, and problem solving. The course also provides an opportunity 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 applications-oriented style.

FI 4389 DIR READ IN FINANCE 1.0 to 3.0

Directed Readings in Finance.

Prerequisites: Fi 4000, consent of instructor.

FI 4400 FIN MGT OF FIN SER FIRMS 3.0

Financial Management of Financial Services Firms.

Prerequisite: Fi 4000. CSP: 1, 2, 6.

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.

This is a macro-finance 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.

FOLKLORE

FOLK 3000 AMERICAN FOLKLORE 3.0

American Folklore.

Prerequisite: grade of C or higher in Engl 1102 or 1103.

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: grade of C or higher in Engl 1102 or 1103.

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: grade of C or higher in Engl 1102 or 1103.

European-American, African-American, 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: grade of C or higher in Engl 1102 or 1103.

Traditional hand skills of North American folk-culture regions including folk arts, crafts, architecture, food-ways and preindustrial technology, their Old World sources, and display in folk museums.

FOLK 4100 BRITISH FOLK CULTURE 3.0

British Folk Culture.

Prerequisite: grade of C or higher in Engl 1102 or 1103.

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: grade of C or higher in Engl 1102 or 1103.

Traditional culture from the Celts to the present, including saga literature, farmsteads and houses, music, singing, storytelling, and supernatural beliefs.

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 LINGUISTI 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.

(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.

(Same as AL 3041.)

Introduction to processes of acquiring a second (foreign or additional) language. Compares the experiences of young children, adolescents, and adult-age language learners.

FORL 4011 PHONETICS AND PHONOLOGY 3.0

Phonetics and Phonology.

Prerequisite: ForL 3021.

(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.

(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 (TE)MET/MAT-TCHG-FOR LANG: P-8 3.0

(TE) Methods and Materials for Teaching Foreign Languages, P-8.

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 P-8.

FORL 4026 (TE)MET/MAT-TCH-FOR LANG:9-12 3.0

(TE) Methods and Materials for Teaching Foreign Languages, 9-12.

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 9-12.

FORL 4027 (TE)MET/MAT-TEACHING LAT: P-12 3.0

(TE) Methods and Materials for Teaching Latin: P-12.

Methodologies for teaching Latin in P-12; 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

Practicum in Foreign Language Education.

Prerequisites: ForL 4025 or ForL 4026.

Observation, lesson planning, and supervised micro-teaching with a variety of instructional techniques in grades P-8 and 9-12. Application of instructional and curricular theories; systemic analysis of decision-making processes in instruction.

FORL 4060 INTERNSHIP FL ED 12.0

Internship in Foreign Language Education. (3)

Prerequisite: Consent of instructor.

Full-time teaching in elementary, middle, or high school under the supervision of a university supervisor with guidance from an on-site mentor. For provisionally certified teachers.

FORL 4061 STU TEACH IN FOREIGN LANG 4.0

Student Teaching in Foreign Languages (TE).

Prerequisites: completion of all other course in teacher education; 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

Student Teaching in Foreign Language (TE).

Prerequisites: completion of all other courses in teacher education; 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

Student Teaching in Foreign Language (TE).

Prerequisites: completion of all other courses in teacher education; passing score on the departmental 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 equivalent.

(Same as AL 4411.)

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.

(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.

(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.

(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.

(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.

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 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 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 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 or equivalent.

Intensive exposure to intermediate French, with emphasis on communicative competence, equivalent to Fren 2001 and 2002.

FREN 2212 FREN THEATER IN TRANSLATN 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 3013 INTENSIVE GRAMMAR REVIEW 3.0

Intensive Grammar Review.

Prerequisite: Fren 2002 or equivalent.

Intensive review and in-depth analysis of grammatical structures.

FREN 3023 ADV CONVERSTN & COMPOSITN 3.0

Advanced Conversation and Composition.

Prerequisite: Fren 2002 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.

FREN 3151 FRENCH FOR READING 3.0

French for Reading.

Introductory course in reading French 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 French.

FREN 3395 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 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, 3033.

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 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, 3033.

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, 3033.

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, 3033.

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 or 3043.

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.

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.

Rise and development of the “philosophical” movement and of pre-romanticism. 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, 3033.

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.

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.

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.

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, 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 average, and at least 15 hours of upper-level courses in the major.

Extensive reading, discussion, and analysis of a broad spectrum of representative works covering the most important genres and historical periods.

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 3.0

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 3202 HUMAN GEOGRAPHY 3.0

Human Geography.

Not open to students who have taken Geog 2202. Topical survey of major themes, concepts, and theories in human geography.

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 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 GEOGRAPHY OF THE MIDDLE EAST 3.0

Geography of the Middle East.

Three lectures a week. An examination of the physical and human geography of the Middle East, from Turkey to Morocco. Emphasis is placed on forces which define and shape the Middle East today, including geographical aspects of 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 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.

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 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 PRODCTN 3.0

Automated Cartographic Production.

Prerequisite: consent of instructor.

Computer-generated maps with printer, plotter, and video-graphic output.

GEOG 4528 MAP FUNDAMENTALS: GEOG INFO SYS 3.0

Mapping Fundamentals for Geographic Information Systems.

Basic skills of mapping with respect to earth measurement, map projections, compilation, and relief mapping.

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, 4518, or consent of instructor.

Fundamental concepts and applications of raster and vector-based GIS emphasizing analysis of digital spatial data through applied methods.

GEOG 4534 ADVANCED GEOGRAPHIC INFO SYSTM 4.0

Advanced Geographic Information Systems.

Prerequisite: Geog 4532 or consent of instructor.

Advanced GIS concepts relating to spatial database creation and on-line distribution.

GEOG 4536 INTERNET GIS & VISUALIZATION 4.0

Internet GIS and Visualization.

Prerequisite: Geog 4518, 4532, or consent of instructor.

History, concepts, and applied methods of on-line 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, Geol 1122K, 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 ADVNCD WEATHER & CLIMATE 4.0

Advanced Weather and Climate.

Prerequisite: Geog 1112 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/1122K, Geog 1112/1113, 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 1112/1113, 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, 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, Geol 1112K, 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 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.

Prerequisite: Geol 1121K, 1122K, Math 2212, and Chem 1212K.

(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 4770 THIRD WORLD URBANIZATION 3.0

Third World Urbanization.

Prerequisite: Geog 4762 or 4764 and consent of instructor. Examination of urbanization process in regions outside North America and Europe. Emphasis on the divergence from Western models, impact of economic development, internal structure of Third World cities, and prediction of urban trends.

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.

(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 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 2204, 4520, and 4522.

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 three credits may be applied toward major requirements.

GEOG 4832 GEOGRAPHY INTERNSHIP 3.0

Geography Internship.

Prerequisites: advanced standing, approval of sponsoring faculty advisor and department chair.

Academic training and professional experience through short-term 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 real-world 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, consent of instructor and the Honors Program director.

Writing or production of honors thesis or project.

GEOLOGY

GEOLOGY
GEO 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.

GEO 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.

GEO 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.

GEO 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.

GEO 3002 INTRO TO EARTH MATERIALS 4.0

Introduction to Earth Materials.

Prerequisite: Geol 1121K.

Three lecture and three laboratory hours a week, plus field trips. Fundamentals of crystallography and mineralogy; classification, identification, and origin of the common rock-forming minerals and rocks.

GEO 4002 INTRO TO OCEANIC ENVIRONMENTS 3.0

Introduction to Oceanic Environments.

Prerequisites: Geol 1121K and completion of eight semester hours of laboratory science.

(Same as Geog 4670.)

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.

GEO 4003 AQUEOUS GEOCHEMISTRY 4.0

Aqueous Geochemistry.

Prerequisites: Geol 1121K and 1122K, 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.

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 1121K and 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 3003 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 4009 FIELD GEOLOGY 6.0

Field Geology.

Prerequisite: Geol 3003 and 4006, and consent of instructor.

Nine hours a day, six days a week for six weeks.

Geology in its natural environment, emphasizing field methods. Course includes six weeks of study in the Rocky Mountains.

GEOL 4011 PRINCIPLES OF PALEONTOLOGY 4.0

Principles of Paleontology.

Prerequisite: Geol 1122K.

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 1121K, 1122K, and 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.

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.

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 4042 ANALYTICAL METHODS 3.0

Analytical Methods

Prerequisites: Chem 1211, Math 2212.

Two lecture and two laboratory hours per week. Principles and practical application of modern analytical methods in environmental geology, geochemistry, petrology, and related fields. Theory and methods of chemical and isotopic analysis, including mass spectrometry, laser ablation mass spectrometry, electron microprobe, electron microscopy, X-ray fluorescence, X-ray diffraction, and atomic absorption. Overview of related methods. Radiation safety.

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 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 4530/6530.)

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.

Prerequisites: 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 1121K and 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: Geog 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.

GEORGIA STATE UNIVERSITY

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 SKLLS 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.

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 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.

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.

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 gramamr. 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 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.

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 3.0

Introduction to Reading German Literature.

Prerequisite: Grmn 2002.

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 3.0

Introduction to Reading German Literature.

Prerequisite: Grmn 2002 and 3311.

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

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.

Analysis of, and practice with, the sounds of standard German.

GRMN 4402 ADV GRAM:MORPHOL & SYNTAX 3.0

Advanced Grammar: Morphology and Syntax.

Prerequisites: Grmn 3302.

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.

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.

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.

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.

Social, philosophical, artistic, and literary movements and the individuals who have contributed to the formation of present-day Germany; further development of conversational skills.

GRMN 4422 CONTEMPORARY GERMANY 3.0

Contemporary Germany.

(Essentially the same as former Ger 375.) Social,

political, and economic issues as reflected in current German texts.

GRMN 4431 GERMAN OF INTL BUSNSS I 3.0

German for International Business I.

Prerequisites: Grmn 3302 and 3312.

Business vocabulary and correspondence. Protocol of business environment. Reading and analysis of commercial texts.

GRMN 4432 GERMAN OF INTL BUSNSS II 3.0

German for International Business II.

Prerequisite: Grmn 4431.

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 average, and at least nine hours of upper-level courses.

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.

GRAPHIC DESIGN

GRD 3000 INTRODUCTION TO GRAPHIC DESIGN 4.0

Introduction to Graphic Design.

Prerequisites: Art 1010, 1020, 1030, and 1040 and consent of instructor.

Introduction to concepts and practices of graphic design through combining of type and images; introduction to Macintosh-based graphics software; graphics presentation techniques.

GRD 3150 INTRODUCTION TO TYPOGRAPHY 3.0

Introduction to Typography.

Prerequisites: Art 1010, 1020, 1030, and 1040.

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 4.0

Intermediate Graphic Design.

Prerequisites: GrD 3000.

Continued development of conceptual and traditional/digital media skills including art direction, image-making, and specialized problem areas.

GRD 3300 ILLUSTRTN:CONCEPTS THRU IMAGES 3.0

Illustration: Concepts through Images.

Prerequisites: Art 1030 and 1040 plus two additional 1000-level studio or art courses.

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 4.0

Advanced Typographic Design.

Prerequisites: GrD 3200 and consent of instructor.

Advanced concepts in typographic design within a studio problem-solving format; advanced digital techniques, formal, and experimental applications of typography.

GRD 4100 PRINT & EDITORIAL DESIGN 4.0

Print and Editorial Design.

Prerequisites: GrD 3200 and consent of instructor.

Advanced editorial design concepts within a studio problem-solving format; print and electronic publishing applications, identity, and format design; art direction and image-making 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, GrD 3200, or consent of instructor.

Advanced graphic concepts in print collateral applications; annual report design; identity and logotype; brochures and mailers; original visual concepts through image-making; digital techniques; pre-press and print production principles.

GRD 4200 CORPORATE IDENTITY DESIGN 4.0

Corporate Identity Design.

Prerequisites: GrD 4020, 4100, 4310, and consent of 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 4.0

Graphic Design in Popular Culture.

Prerequisites: GrD 4020, 4100, 4310, and consent of instructor.

Chronology of popular culture through graphic design from the late nineteenth through the twentieth century; presented in a studio problem-solving format; sociological and cultural impact of design and design technology.

GRD 4300 INTERNSHIP IN GRAPHIC DESIGN 4.0

Internship in Graphic Design.

Prerequisites: GrD 4020, 4100, 4310, and consent of instructor.

Specialized field training allowing practical professional experience with major design firms, advertising agencies, and corporations.

GRD 4310 MULTIMEDIA DESIGN 4.0

Multimedia Design.

Prerequisites: GrD 3200 and consent of instructor.

Exploration of multimedia, interactive concepts, and nonlinear view editing technologies presented in studio problem-solving format; work on creative teams. Includes research-based proposals, contextual meaning, and production scheduling.

GRD 4350 GRAPHIC DESGN THRU ADVERTISING 4.0

Graphic Design through Advertising.

Prerequisites: GrD 4200, 4250, 4300, 4400, and consent of instructor.

Applications of graphic design in advertising in a studio problem-solving format; collaboration and art direction on creative teams; visual marketing concepts; campaign development, copywriting; development of presentation skills.

GRD 4400 DESIGN FOR FILM & TV 4.0

Design for Film and Television.

Prerequisites: GrD 4020, 4100, 4310, and consent of 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 (or concurrently) or consent of instructor.

Practical client-based 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, or consent of instructor.

Directed study in subjects of student's specialized interests or through unique client-based projects of the "Visual Design Project." May be repeated for a maximum of six credit hours.

GRD 4550 SPEC APPLICATIONS OF GRAPHIC DESIGN 4.0

Specialized Applications of Graphic Design.

Prerequisites: GrD 4350, 4400, or consent of 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 4.0

Senior Workshop in Graphic Design.

Prerequisite: GrD 4200, 4250, 4400 and consent of 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.

(Same as CSc 4840/Film 4840.)

Modeling techniques include lofting, extrusion, surfaces of revolution, constructive solid geometry, procedural modeling, metaballs, and others. Image synthesis techniques include scan-line graphics, ray tracing, and radiosity.

Also covered are anti-aliasing, surface mapping, shadowing, lighting, and other relevant topics.

GRD 4841 COMPUTER ANIMATION 3.0

Computer Animation.

Prerequisites: Art 1030, 1040, and GrD 4840.

(Same as CSc 4841/Film 4841.)

Three-dimensional 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, 4450, or consent of instructor.

Preparation of final professional portfolio; consolidation and revision of previous projects; addition of projects reflecting student's specialized interests; self-promotion; 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 School director.

Independent studies initiated by the student.

May be repeated for a maximum of six credit hours.

GREEK, ANCIENT

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 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 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 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.

GREEK, MODERN

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 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 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 or equivalent.

Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Greek.

HEALTH ADMINISTRATION

HA 3900 INTRO HEALTH CARE SYSTEM 3.0

Introduction to the U.S. Health Care System.

Prerequisite: none.

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.

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 4389 DIRECTED READINGS IN HA 1.0 to 3.0

Directed Readings in Health Administration.

Prerequisite: consent of instructor.

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.

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 3300 POLICY, PLANNING & TRENDS 3.0

Human Services Policy, Planning and Trends.

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.

HHS 3400 SPANISH FOR HLTH & HUM SCI 3.0

Spanish for Health and Human Sciences.

The purpose of this course is to establish language skills for effective communication that can be used by health and human service practitioners in culturally diverse settings to assist Spanish-speaking clients.

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 4100 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.

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 non-health 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.

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 & AFR-AMER HISTORY 3.0

Introduction to African and African-American History. (Same as AAS 1140.)

African history and culture, the coming of Africans to the Americas, and the development of African-American 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 upper-division selections.) The nature of historical knowledge and analysis, historical resources in Atlanta-area 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.

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 4.0

Medieval Europe.

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 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 native-born Americans have continuously renegotiated and evolved notions of ethnicity, race, and American citizenship.

HIST 4228 ASIANS IN AMERICA 4.0

Asians in America to 1965.

Explores the Asian immigrant experience in the U.S. from the nineteenth century through the passage of the Naturalization and Immigration Act of 1965. Topics include immigration patterns, anti-Asian legislation, social organization and the Pan-Asian Movement.

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 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 pre-colonial 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 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 4350 FILM AND HISTORY 4.0

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 GREEK CIVILIZATION 4.0

Greek Civilization.

Political, cultural, economic, and social developments of ancient Greece from the Bronze Age to Alexander the Great.

HIST 4520 ROMAN CIVILIZATION 4.0

Roman Civilization.

Political, cultural, economic, and social developments of ancient Rome from its founding in the eighth century, BCE, to its decline in the West, fifth century, CE.

HIST 4525 WORLDS OF EASTERN CHRISTIANITY 4.0

Worlds of Eastern Christianity (to 1300).

Examination of Eastern Christian societies throughout western Eurasia and northern Africa with reference to their Judaic, Hellenistic, Roman, Islamic, and indigenous contexts down to the Mongol conquest of the thirteenth century. Special emphasis upon the Byzantine (Christian Roman) Empire and its interplay with the “national” churches and societies of Georgia, Armenia, Syria, Ethiopia, Egypt, and the Slavs.

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 “nation-state,” 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 ENGLAND TO 1689 4.0

England to 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 BRITAIN & IRELAND SINCE 1689 4.0

Britain and Ireland since 1689.

The construction of “nation-states” in the British Isles; special attention to aristocratic rule and popular politics; causes and consequences of agrarian and industrial change; class, gender, religion, and national identity; war, welfare, economic decline, and sectarian conflict.

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 nation-states 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; de-Stalinization, "Stagnation," and Perestroika; Post-Soviet 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 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 mass-media cultures. May be repeated for credit if topic varies.

HIST 4630 BRIT EMPIRE:NATN/RACE/GENDER 4.0

The British Empire: Nation, Race, and Gender.

The interaction of "imagined communities" in the British empire; special attention to imperial identities in the metropole and colonies; slavery, emancipation, and segregation; race and gender in colonial discourse; anticolonialism, decolonialism, immigration, and multiculturalism.

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 4700 CHINA & 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 4710 CHINA & JAPAN SINCE 1600 4.0

China and Japan since 1600.

East Asia in modern transformation from 1600 to the present, emphasizing pre-nineteenth-century prosperity, nineteenth-century crises, and twentieth-century change.

HIST 4720 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 4730 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 4740 LATIN AMERICAN REVOLUTIONS 4.0

Latin American Revolutions.

Socio-political and economic revolutions in Latin America with comparisons to other twentieth-century 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 pre-colonial 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 post-colonial contexts.

HIST 4776 AFRICA AND HOLLYWOOD 3.0

Africa and Hollywood: Myth, Romance, and Savage Imagery. (Same as AAS 4776 and Film 4776.)

This course explores the image of Africa projected into American mass culture through the vehicle of commercial films produced about Africa.

HIST 4780 THE MIDDLE EAST, 600 TO 1800 4.0

The Middle East, 600 to 1800.

Political, cultural, social, and economic developments in the lands from Spain to Central Asia since the rise of Islam.

HIST 4790 THE MIDDLE EAST SINCE 1800 4.0

The Middle East since 1800.

Political, cultural, social, and economic developments from Morocco to Iran, including imperialism, nationalism, independence, and religious revival.

HIST 4800 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 4810 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 post-independence.

HIST 4820 CROSS-CULTURAL ENCOUNTERS 4.0

Cross-Cultural Encounters in World History.

Contexts, impulses, and implications of encounters among cultures/civilizations in world history; testing of theoretical models of cross-cultural 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)A 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 world-wide 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 large-scale approaches and methodologies including civilizations, world systems, dependency analysis, migration, and cross-cultural interactions. Emphasis on the inter- and cross-disciplinary nature of the field.

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 Cultural 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 AMERICAN 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 and at least five upper-division 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 five 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 and at least five upper-division 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.

HONORS

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.

On-site 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.

HOSPITALITY ADMINISTRATION

HADM 3010 PERSPEC HOSPITALITY INDUS 3.0

Perspectives in the Hospitality Industry.

Prerequisite: None. CSP: 1, 6.

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.

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.

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.

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.)

Co-requisite: HAdm 3401.

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.

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.

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 3600 EXPOS,FAIRS ENTERTNMT MGT 3.0

Expos, Fairs, and Entertainment Management.

Prerequisite: None. CSP: 1, 6.

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.

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.

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.

CSP: 1, 2, 6.

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 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.

Internal systems for monitoring revenues and expenses, ratio analysis, break-even, 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 4389 DIR READ IN HOSP ADMIN 1.0 to 3.0

Directed Readings in Hospitality Administration.

Prerequisite: Consent of instructor.

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.

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.

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 work-hour requirement and the portfolio which details work experiences and involves the students' self-critique 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.

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.

INSTRUCTIONAL TECHNOLOGY

IT 2010 COMPUTER SKILLS FOR INFORMATION 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 3210 TEACHERS AND TECHNOLOGY 3.0

Teachers and Technology.

Introduces students to resource-based 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 P-12 educational environment are emphasized.

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 low-intermediate 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 non-academic literature for basic level nonnative speakers of English.

IEP 0520 EXTENSIVE READING II 3.0

Extensive Reading II.

Extensive reading of academic and non-academic literature for low-intermediate level nonnative speakers of English.

IEP 0530 EXTENSIVE READING III 3.0

Extensive Reading III.

Extensive reading of academic and non-academic literature for intermediate level nonnative speakers of English.

IEP 0540 EXTENSIVE READING IV 3.0

Extensive Reading IV.

Extensive reading of academic and non-academic literature for high-intermediate level nonnative speakers of English.

IEP 0550 EXTENSIVE READING V 3.0

Extensive Reading V.

Extensive reading of academic and non-academic 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 low-intermediate 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 high-intermediate 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 low-intermediate 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 high-intermediate 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 low-intermediate 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 high-intermediate 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 ACAD WRITING: UNIV EXAMS III 3.0

Academic Writing for University Exams III.

Academic writing for intermediate level nonnative speakers of English.

IEP 0940 ACAD WRITNG: UNIV EXAMS IV 3.0

Academic Writing for University Exams IV.

Academic writing for high-intermediate level nonnative speakers of English.

IEP 0950 ACAD WRITNG: UNIV EXAMS V 3.0

Academic Writing for University Exams V.

Academic writing for advanced level nonnative speakers of English.

INTERIOR DESIGN

ID 3000 INTERIOR DESIGN: DRAFTING 3.0

Interior Design: Drafting.

Prerequisites: Art 1020, 1030, 1040, 1700, 1750.

Plan, elevation, section drawing including visualization, lettering, multiview paraline, and perspective projections are explored.

ID 3100 INTERIOR DESIGN: PRESENTATION 3.0

Interior Design: Presentation.

Prerequisite: ID 3000 or consent of instructor.

Pencil, ink, marker, and water media are investigated as techniques for interior delineation.

ID 3200 INTERIOR DES:WORKING DRAWINGS 3.0

Interior Design: Working Drawings.

Prerequisite: ID 3000 or consent of instructor.

Drafting standards, including construction details and material specifications, required for contract documents.

ID 3300 INTERIOR DESIGN I: THEORY 3.0

Interior Design I: Theory.

Prerequisite: ID 3000 or consent of instructor.

Design analysis; architectural space and the human scale.

ID 3400 INTERIOR DES II:STYLE/DECORATN 3.0

Interior Design II: Style and Decoration.

Prerequisite: ID 3300 or consent of instructor.

Investigation of design as ornamentation, including a study of designers' attitudes and aesthetic convictions.

ID 3500 INTERIOR DES III:SPATIAL ORG 3.0

Interior Design III: Spatial Organization.

Prerequisite: ID 3400.

Organizing objects in space using architectural dimension and human factors.

ID 4000 INTERIOR DES: SELECTED TOPICS 3.0

Interior Design: Selected Topics.

Prerequisite: ID 3000 or consent of instructor.

Special topics for interior design majors. May be repeated for a maximum of six credit hours.

ID 4200 INTERIOR DES IV: RESIDENTIAL 3.0

Interior Design IV: Residential.

Prerequisite: ID 3500 or consent of instructor.

Social, economic, and regional difference affecting residential design processes.

ID 4250 COMPUTER AIDED DRAFT & DESIGN 3.0

Computer-Aided Drafting and Design.

Prerequisite: ID 3000 or consent of instructor.

An introduction to computer-aided drafting and designing of interior spaces.

ID 4300 INTERIOR DES V: NONRESIDENTIAL 3.0

Interior Design V: Nonresidential.

Prerequisite: ID 3500 or consent of instructor.

Program development, functional analysis, and design accountability for nonresidential environments.

ID 4350 3-D COMPUTER AIDED DRAFT & DES 3.0

Three-Dimensional Computer Aided Drafting and Design.

Prerequisite: ID 4250 or consent of instructor.

An introduction to computer-aided drafting techniques for creating three-dimensional interior spaces.

ID 4500 INTERIOR DES VI: DIR STUDIES 3.0

Interior Design VI: Directed Studies.

Prerequisite: ID 3500 or consent of instructor.

Individual studio problems for advanced students.

May be repeated for a maximum of six credit hours.

ID 4600 HISTORIC INTERIORS-18TH/19TH C 3.0

Historic Interiors: Eighteenth and Nineteenth Centuries.

Prerequisites: Art 1020, 1030, 1040, 1700, 1750, or consent of instructor.

Development of American decorative arts, interiors, and architecture.

ID 4700 HISTORIC INTERIORS: 20TH CENT 3.0

Historic Interiors: Twentieth Century.

Prerequisites: Art 1020, 1030, 1040; 1700, 1750, or 1850; or consent of instructor.

Development of the decorative arts, interiors, and the interior designer from 1900 to the present.

ID 4930 INTERIOR DESIGN INTERNSHIP 3.0

Interior Design Internship.

Prerequisite: ID 3500.

Professional experiences in interior design or related fields. This course must be requested at least one quarter in advance. May be repeated for a maximum of nine credit hours.

ID 4940 INTERIOR DESIGN PORTFOLIO I 3.0

Interior Design Portfolio I.

Prerequisite: ID 3500 or consent of instructor.

Senior-year studio experiences for B.F.A. degree candidates.

Committee review.

ID 4950 INTERIOR DESIGN PORTFOLIO II 3.0

Interior Design Portfolio II.

Prerequisite or corequisite: ID 4940.

Culminating experiences for B.F.A. degree candidates.

Committee review.

ID 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.

INTERNATIONAL BUSINESS

IB 3090 INTRO TO INTERNATL BUS 3.0

Introduction to International Business.

Prerequisite: Econ 2105 and Econ 2106, or consent of instructor.

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 firm-specific variables into a meaningful conceptual framework.

IB 4020 INTERNATL TRADE MGT 3.0

International Trade Management.

Prerequisite: none.

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 3.0

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.

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 in-country experience is a required segment of the course. This course may be repeated for different world regions.

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 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 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.

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.

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.

Grammar and its application in written and oral composition.

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 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.

Intermediate grammar; practice in conversation, composition, and reading.

JAPN 2002 INTERMEDIATE JAPANESE II 3.0

Intermediate Japanese II.

Prerequisite: Japn 2001.

Intermediate grammar; further practice in conversation, composition, and reading.

JAPN 2101 INTENSIVE INTER JAPANESE 6.0

Intensive Intermediate Japanese.

Prerequisite: Japn 1002 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 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 or equivalent.

Practice in all receptive and productive language skills; further vocabulary expansion; grammar review.

JAPN 3011 ADVANCED JAPANESE III 3.0

Advanced Japanese III.

Prerequisite: Japn 3002.

Advanced grammar and word formation; conversation and writing practice.

JAPN 3012 ADVANCED JAPANESE IV 3.0

Advanced Japanese IV.

Prerequisite: Japn 3011.

Advanced grammar and word formation; conversation and writing practice.

JAPN 3081 JAPANESE LANG AND SOCIETY 3.0

Japanese Language and Society.

Prerequisite: Japn 3012.

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: Japanese 3001 or consent of instructor.

Three lectures and one supervised lab a week. Mastery of 250 Kanji and practice in Japanese word processing.

JEWELRY DESIGN & METALSMITH**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 or consent of instructor.

Design and techniques of metalsmithing.

JEWL 4000 SELECTED TOPICS-JEWELRY DESIGN 3.0

Selected Topics in Jewelry Design.

Prerequisite: consent of instructor.

Special topics for studio art majors. May be repeated for a maximum of six credit hours.

JEWL 4500 DIRECTED STUDY: JEWELRY DESIGN 3.0

Directed Study in Jewelry Design.

Prerequisite: Jewl 3100.

Individual studio problems for advanced students. May be repeated for a maximum of 15 credit hours.

JEWL 4910 HISTORY OF JEWELRY 3.0

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.

Senior-year studio experiences for B.F.A. degree candidates. Committee review.

JEWL 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite or corequisite: Jewl 4940.

Culminating studio experiences for B.F.A. degree candidates. Committee review.

JEWL 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.

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 and Engl 1102 or 1103.

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 on-line resources for communication research.

JOUR 3000 LIGHTING DES: THEATR, FILM, TV 3.0

Lighting Design for Theatre, Film, and Television.

(Same as Film 3000/Thea 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.

JOUR 3030 REPORTING II:NEWS GATHER/REPRT 3.0

Reporting II: News Gathering and Reporting.

Prerequisite: Jour 1010.

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 1010.

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 1010.

The development and application of theoretical perspectives on mediated communication, including critical and social-scientific approaches.

JOUR 3120 FEATURE WRITING 3.0

Feature Writing.

Prerequisite: Jour 1010.

In-depth 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.

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.

Projects for selected not-for-profit 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.

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.

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.

Comparative study of the origins and development of news systems in relation to their historical, social, political, and economic environments.

JOUR 4125 COMMUNITY-BASED MEDIA PROD 4.0

Community-Based Media Production

Prerequisite: consent of instructor.

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.

(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.

(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.

(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.

Prerequisite: Jour 3500 and 3950.

Case study analysis and critique of public relations programs. Students examine research, case specific policy-making implementation, outcomes, and impact of public relations serving local to global markets.

JOUR 4590 AFRICAN-AMERICAN POP CULTURE 3.0

African-American Popular Culture.

Prerequisites: Jour 3060 and 3070.

(Same as AAS 4950.)

(For journalism majors only.) Intellectual debates over the definitions and diversities of everyday African-American cultural production.

JOUR 4600 READINGS IN JOURNALISM 3.0

Readings in Journalism.

Readings and discussion of selected books and periodicals; reports, critiques, and lectures.

JOUR 4610 DESKTOP EDITING AND PUBLISHING 3.0

Desktop Editing and Publishing.

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.

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.

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.

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 multi-camera studio techniques.

JOUR 4710 TELECOMMUNICATION PRODUCTIN II 4.0

Telecommunication Production II.

Prerequisite: Jour 4700 and consent of instructor.

Two lecture and two lab hours per week. Production for the telecommunication industry emphasizing electronic field production techniques involving scripting and pre-production, videography, lighting, location audio, and a variety of post-production systems, emphasizing digital non-linear editing systems.

JOUR 4740 NEWS FOR TELECOMM I 3.0

News for Telecommunication I.

Prerequisite: Jour 4700.

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 3710 or consent of instructor.

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.

Long-form writing for radio, television, and other electronic media, including documentaries and institutional productions; and short-form writing, including commercials, promotions and public service announcements.

JOUR 4770 MEDIA MANAGEMENT & MARKETING 3.0

Media Management and Marketing.

Prerequisites: Jour 3060 and 3070.

Planning, organizing, coordinating, controlling, and marketing media entities.

JOUR 4780 WOMEN AND MEDIA 3.0

Women and Media.

Prerequisites: Jour 3060 and 3070 for journalism majors.

(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.

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.

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 and consent of instructor.

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, consent of the instructor and Honors Program director.

Writing or production of honors thesis or project.

JOUR 4900 SELECTED TOPICS 3.0

Selected Topics.

Prerequisite: consent of instructor.

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.

Representative experiences in print and broadcast journalism or in public relations.

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 grade-point 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 grade-point average computation even though a grade is assigned for the course. (Repeatable)

KH 1030 ADVANCED LEISURE LIFE SKILLS 1.0

Advanced Leisure Life Skills.

Prerequisites: KH 1010, KH 1020 or equivalent course work or consent of instructor.

This course is designed to provide students an advanced competency in individual or recreational sports or dance. This course is nonacademic and is not used in grade-point 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.

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 P-12 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.

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 P-5 curriculums. Emphasis is placed on the ability to analyze and instruct the associated movement skills.

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.

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 P-12 school curriculums. Emphasis is placed on developing performance skills, as well as developing the ability to analyze and teach the associated movement skills.

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 P-12 school curriculums. Emphasis is placed on producing competent performers, as well as developing the ability to analyze and teach the associated movement skills.

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.

KH 3100 INSTRUCTIONAL TECHNOLOGY HPE 1.0

Instructional Technology in Health and Physical Education. Students participate in one hour of lecture/skill training and two hours of skill practice and field application each week. Lab assignments are completed in the Instructional Technology Center in the College of Education. Field-based instructional technology applications for health and physical education are completed in selected P-12 schools. A course portfolio including technology applications and materials developed during the course are created for use in subsequent HPE courses.

KH 3200 INSTRUCTIONAL SKILLS HPE, P-12 3.0 to 4.0

Instructional Skills for Health and Physical Education, P-12. Prerequisites: KH 2130 and tort liability. Introduces effective classroom management, teaching skills, and instructional models for health and physical education in grades P-12. Field experiences are included in selected P-12 classrooms.

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.

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. Red Cross certification is contingent upon a grade of "B" or higher and attendance record.

KH 3400 CURRICULUM & ASSESSMENT IN HPE 4.0

Curriculum and Assessment in Health and Physical Education.

Students examine contemporary curriculum models, theory and standards for adapted, elementary, and secondary physical education, and for health education. Traditional and alternative 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.

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.

KH 3550 EVALUATION/INSTRUMENTATION PE 3.0

Evaluation and Instrumentation in Physical Education.

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.

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.

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.

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.

KH 3660 PRACTICUM IN HEALTH & PHYS ED 2.0

(TEA) Practicum in Health and Physical Education.

Prerequisites: KH 3200, current tort liability protection, and permission of instructor.

Students observe and assist health and physical education clinical teachers in a variety of P-12 school settings for no fewer than six hours each week.

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.

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.

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.

KH 4360 CARDIAC FIT ASSESS/REHAB EXER 3.0

Cardiac Fitness Assessment and Rehabilitation Exercise Prescriptions.

Describes basic principles of exercise testing and programming for optimizing functional capacity in persons with chronic diseases and/or disabilities. Primarily focuses on cardiovascular disease and rehabilitation, but includes pulmonary disease, diabetes, obesity, and other chronic diseases.

KH 4390 ECG & EXERCISE STRESS TESTING 3.0

ECG and Exercise Stress Testing.

Prerequisites: KH 3650 or consent of instructor.

Students study the scientific aspects of electrocardiography including the reading, recognition, and interpretation of ECG's. The usefulness and administration of stress testing is also covered.

KH 4510 CONT/INSTR MODELS PRE-K/ELE PE 3.0

(TEA) Contemporary Instructional Models for Pre-K 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 field-based teaching experiences.

KH 4520 CONT/INSTR MODELS SECONDARY PE 3.0

(TEA) 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 field-based practice teaching experiences.

KH 4530 CONT/INSTR MODELS HEALTH EDUC 3.0 to 4.0

(TEA) 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 field-based practice teaching experiences, peer coaching during lesson plan development, and peer critiquing of field-based teaching videos.

KH 4540 CONTMP/INSTR MODELS ADAPTED PE 3.0

(TEA) 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 field-based practice teaching experiences.

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.

KH 4650 OPENING SCHOOL EXPERIENCE 0.0 to 1.0

(TEA) Opening School Experience.

Prerequisite: current tort liability protection and permission of instructor.

Student teachers complete a 10-day internship in one of the placement schools during the clinical teacher's pre-planning and first week of instruction.

KH 4710 STUDENT TCHNG HEALTH & PE, P-5 6.0

(TEA) Student Teaching in Health and Physical Education, P-5.

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 P-5 classes in health and physical education under the direct supervision of a clinical teacher. Includes seminars scheduled by the instructor.

KH 4720 STUDENT TCHG HEALTH & PE, 6-12 6.0

(TEA) Student Teaching in Health and Physical Education, 6-12.

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 6-12 classes in health and physical education under the direct supervision of a clinical teacher. Includes seminars scheduled by the instructor.

KH 4750 PRACTICUM EXERCISE SCIENCE I 3.0

Practicum in Exercise Science I.

Prerequisites: completion of all course work and permission of instructor.

Students receive practical experience in planning, organizing, assessing, and implementing exercise science programs in various settings. Practicum may extend beyond one term.

KH 4760 PRACTICUM EXERCISE SCIENCE II 3.0

Practicum in Exercise Science II.

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. Practicum may extend beyond one term.

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. (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. (Repeatable).

KH 4941 WORKSHOP IN EVENT PLANNING 3.0

Workshop in Event Planning.

This course addresses the major trends and most successful business practices in the event management marketplace today. It provides the critical background knowledge and tools that you need to improve your effectiveness and profitability as an event manager. Technological, economic, competitive, and global challenges are carefully examined to establish a framework within which you can achieve your business and career goals.

KH 4942 WORKSHOP IN SCHOOL HEALTH 1.0

Workshop in School Health.

At the completion of the course, the student understands strategies for prevention and intervention effective in addressing health and safety risks of children and youth interacting within schools and communities.

KH 4943 WORKSHOP HIV PREVENTION & HLTH 1.0 to 3.0

Workshop in HIV Prevention and Health.

At the completion of the course, the student is aware of the social, psychological, and health implications of HIV/AIDS for all populations, appreciates the importance of equal gender representation in clinical trials, understands the five stages in combating perceptions of invulnerability, and is sensitive to issues of early treatment and drug resistance.

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 or equivalent.

Grammar, composition, and prose translation.

LATN 2001 INTERMEDIATE LATIN 3.0

Intermediate Latin.

Prerequisite: Latn 1002 or equivalent.

Completion of grammar; composition and reading from prose authors.

LATN 2002 LATIN PROSE 3.0

Latin Prose.

Prerequisite: Latn 2001 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 or equivalent.

Reading and interpretation of passages from Books I-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 13th 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 NEO-LATIN SEMINAR 3.0

Neo-Latin 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.

LEGAL STUDIES

LGLS 3020 INTRODUCTION TO THE LAW 3.0

Introduction to the Law.

Prerequisite: none. CSP: 1, 6.

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.

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.

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.

MANAGEMENT

MGT 3500 MGT CONCEPTS/THEORY/PRACT 3.0

Management Concepts, Theory, and Practice.

Prerequisite: none.

B.B.A. students may not register for this course until Econ 2105, Econ 2106, and Acct 2102 are passed with degree credit. This course is concerned with the study of management theory and practice and their impact on the performance and development of organizations. It covers a number of important topics, such as the functions of management in the organizational environment, decision theory and techniques, operations management, communications, leadership, human resource management, and organizational development and change. It examines their effect on productivity and performance.

MGT 4010 INTRO TO ORG BEHAVIOR 3.0

Introduction to Organizational Behavior.

Prerequisite: Mgt 3500.

In this course, students examine the sources of organizational behavior and organizational issues. These sources include human qualities and individual differences, organizational structure, and power and political behavior.

MGT 4130 PROBLEM SOLVING 3.0

Problem Solving. (Same as DSc 4130.)

Prerequisite: Math 1070.

This course focuses on how managers, individually and in groups, solve problems. The course draws from the areas of logic, creativity, small group behavior, and the decision sciences. It covers the art and science of managerial problem diagnosis, alternative generation, and choice. Through cases and examples, students apply the problem-solving concepts and methods to real-world problems.

MGT 4220 BECOMING A LEADER 3.0

Becoming a Leader.

Prerequisite: Mgt 3500.

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.

MGT 4250 NEGOTIATION 3.0

Negotiation.

Prerequisite: Mgt 3500 or consent of instructor.

CSP: 1, 6, 7.

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.

MGT 4300 INTRO HUMAN RESOURCE MGT 3.0

Introduction to Human Resource Management.

Prerequisite: Mgt 3500.

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.

MGT 4350 ORGANIZING FOR EFFECTIVENESS 3.0

Organizing for Effectiveness.

Prerequisite: Mgt 3500.

This course emphasizes organizational design for effectiveness and survival. The course stresses organizational change and learning organizations. Students examine critical contextual factors in design such as environment, technology, goals, and strategy.

MGT 4360 HUMAN RESOURCE SELECTION 3.0

Human Resource Selection.

Prerequisite: Mgt 3500.

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.

MGT 4370 INTRO TO ORGANIZ COMM 3.0

Introduction to Organizational Communication.

Prerequisite: Mgt 3500.

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.

MGT 4389 DIRECT READ IN MGT 1.0 to 3.0

Directed Readings in Management.

Prerequisites: Mgt 3500, consent of instructor.

MGT 4390 COMPENSATION 3.0

Compensation.

Prerequisite: Mgt 3500.

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.

MGT 4395 HUMAN RESOURCES PRACTICUM 3.0

Human Resources Practicum.

Prerequisites: Mgt 3500, Mgt 4300, and either Mgt 4360 or Mgt 4390; plus consent of instructor.

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.

MGT 4440 WORK TEAM DESIGN & DEVELOP 3.0

Work Team Design and Development.

Prerequisite: Mgt 3500.

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 team-based organization, team organizational models, work team implementation issues, training and developing teams, team building programs, and leadership in a team-based organization.

MGT 4500 ENTREPRENRSH/NEW VEN MGT 3.0

Entrepreneurship and New Venture Management.

Prerequisites: Mgt 3500, Fi 3300, Mk 3010.

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.

MGT 4505 ENTREPRENRSH/ FIELD STUDY 3.0

Entrepreneurship Field Study.

Prerequisite: consent of instructor.

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.

MGT 4510 LEGAL ENVIRONM OF HR MGT 3.0

Legal Environment of Human Resource Management.

Prerequisite: Mgt 4300 or consent of instructor.

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.

MGT 4540 UNION/MGT RELATIONS 3.0

Union/Management Relations.

Prerequisite: Mgt 4300 or consent of instructor.

This course discusses the historical basis for the nature of the labor-management relationship and the laws that regulate that relationship. The focus is on understanding the process through which employers and unions negotiate pay, hours of work, and terms and conditions of employment for the group of workers represented by the union; sign a contract that defines management constraints and union and employee rights and constraints for the length of the contract period; and share the responsibility for administering the negotiated contract.

MGT 4550 MANAGING A FAMILY BUS 3.0

Managing a Family Business.

Prerequisite: Mgt 3500.

Management principles and practices are examined within the context of a family-owned 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.

MGT 4580 EMPLOYEE BENEFIT PLANS 3.0

Employee Benefit Plans. (Same as RMI 4530.)

Prerequisite: Mgt 3500. CSP: 1, 6, 7.

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.

MGT 4650 PERSPECTIVES INTERN'L MGT 3.0

Perspectives in International Management.

Prerequisite: Mgt 3500.

The objective of this course is to develop an understanding of management from a global perspective. Cross-cultural management issues are explored across several countries. The course emphasizes the impact of economic, political, legal, social, and cultural factors on the theory and practice of management. The challenges for international management are examined from a systems theory perspective.

MGT 4660 COMPARATIVE MGT PRACTICES 3.0

Comparative Management Practices.

Prerequisites: Mgt 3500, consent of instructor.

This course involves a selective analysis of management practices in varied cultural settings. Concepts and practices of organizing and motivating employees, labor/management relations, and other concerns are examined in different national settings. The human element in the managerial process is emphasized. Situational influences (both cultural and political) in the management process are identified and examined. An extensive international on-site program is an integral part of this course.

MGT 4700 OPERATIONS MANAGEMENT 3.0

Operations Management.

Prerequisites: Mgt 3500, DSc 3120. CSP: 1.

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.

MGT 4710 OPER PLANNING & CONTROL 3.0

Operations Planning and Control.

Prerequisite: Mgt 4700 or consent of instructor. CSP: 1.

This is a problem-oriented course in production and operations management combining the case method with computer technology. Emphasis is placed on developing an integrative approach to formulating and solving in-depth operations planning and control problems, depth operations planning and control problems.

MGT 4720 DESIGN/IMPROV OPER SYS 3.0

Design and Improvement of Operating Systems.

Prerequisite: Mgt 4700 or consent of instructor.

This course covers design and analysis for improving operations. Emphasis is on the study of organizational policies and programs for ensuring continuing productivity improvements. Topics include organizational planning and improvement programs, equipment investment analysis, facilities design, job design, time data, and wage incentive plans.

MGT 4730 PROJECT MGT PRINCIPLES 3.0

Project Management Principles.

Prerequisites: Math 1070, Mgt 3500. CSP: 1.

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.

MGT 4740 PRODUCTION/OPERAT STRAT 3.0

Production/Operations Strategy.

Prerequisite: Mgt 4700.

This course addresses 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.

MGT 4750 SMALL BUSINESS MGT 3.0

Small Business Management.

Prerequisites: Fi 3300, Mgt 3500, Mk 3010; or consent of instructor.

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.

MGT 4760 TOTAL QUALITY MANAGEMENT 3.0

Total Quality Management. (Same as DSc 4760.)

Prerequisite: Dsc 3120. CSP: 1, 2, 3, 6.

The course emphasizes the strategic importance of quality, the management of quality, problem-solving 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.

MGT 4900 BUSINESS & SOCIETY 3.0

Business and Society.

Prerequisite: Mgt 3500.

This course examines the external environment of the firm and the ways in which the environment has influenced business decision making and business operations. It attempts to integrate all parts of business environment into a balanced analysis of the whole business system and develop a conceptual framework which can be helpful in business policy formulation. The course also attempts to forecast the future shape of business and its environment.

MARKETING

MK 3010 BASIC MARKETING 3.0

Basic Marketing.

Prerequisite: Econ 2106.

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 on-going 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.

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, DSc 3120. CSP: 1, 2, 4.

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.

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.

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.

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.

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. 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.

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, trade-oriented needs of the job-seeking 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.

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.

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, socio-cultural, 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. 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 4700 ELECTRONIC MARKETING 3.0

Electronic Marketing.

Prerequisite: Mk 3010. CSP: 1, 2, 4, 6, 7.

This course introduces students to marketing applications of developing information and communication technologies and examines the impact of these technologies on marketing practice. Students explore how these technologies are changing every aspect of the marketing function. Course topics include Internet direct marketing, database marketing and marketing applications of data warehousing and data mining, channel integration through electronic data interchange, and Internet advertising.

MK 4900 MARKETING PROBLEMS 3.0

Marketing Problems.

Prerequisite: completion of 12 semester hours in marketing 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.

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.

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 its equivalent.

Three lecture hours a week. Mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world 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: high school algebra II.

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, 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.

Differential and integral calculus of selected real-valued functions of one and several real variables with applications.

MATH 2030 PRINCIPLES OF MATHEMATICS 3.0

Principles of Mathematics.

This course will not be accepted as part of the requirements of a major in mathematics. Designed for teachers at the elementary and middle school level; topics included are numerical systems, sets and relations, primes and divisors, binary operations and properties, rational numbers and real numbers.

MATH 2050 INFORMAL GEOMETRY 3.0

Informal Geometry.

Not acceptable as part of the requirements for a major in

mathematics. Designed for teachers at the elementary and middle school level. Sets; points; lines, including the real number line; space figures; elementary theorems and proofs, congruence and measurement of segments and angles; parallels and parallelograms; areas.

MATH 2211 CALCULUS OF ONE VARIABLE I 4.0

Calculus of One Variable I.

Prerequisite: Math 1113 or the equivalent.

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.

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.

Real-valued 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 1220 or 1113.

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.

Prerequisite: Math 2212.

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.

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.

Three lecture hours a week. Building on Euclidean geometry this course is designed to develop a more visual understanding of geometry and enhance geometric intuition in two- and three-dimensions. Topics include measurement, two-dimensional geometry, three-dimensional geometry, spherical geometry, symmetry, tessellations, efficient shapes, transformations.

MATH 3070 INTRO: PROBABILITY & STATISTICS 3.0

Introduction to Probability and Statistics.

Prerequisite: Math 2030 or consent of the 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 3260 DIFFERENTIAL EQUATIONS 3.0

Differential Equations.

Prerequisite: Math 2215.

First-order 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.

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.

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.

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.

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.

Basic probability theory, combinatorial problems, random variables, laws of large numbers, random walks, Markov chains; applications drawn from decisions and stochastic processes.

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.

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, syncopated 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 2211.

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, non-Euclidean geometry, abstract algebra, probability, and analysis.

MATH 3998 TOPICS FOR NON-MAJORS 1.0 to 3.0

Topics for Non-majors.

Prerequisite: consent of the instructor.

Selected topics in mathematics appropriate for upper division mathematics non-majors. May be repeated if topics are different.

MATH 4211 OPTIMIZATION 3.0

Optimization.

Prerequisite: Math 2215.

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.

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.

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.

(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.

(Same as Phys 4520.)

First-order equations, classification of linear second-order equations, separation of variables, Fourier series, orthogonal functions, Green's functions.

MATH 4301 COLLEGE GEOMETRY 3.0

College Geometry.

Prerequisite: Math 3435.

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.

Euclidean and non-Euclidean geometry, including incidence, order, and the parallel postulate.

MATH 4391 INTO TO DIFFERENTIAL GEOMETRY 3.0

Introduction to Differential Geometry and Its Applications. (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 Gauss-Weingarten equations; the Egregium Theorem; surfaces of constant curvature and non-Euclidean geometry. Minimal surfaces; the Gauss Bonnet Theorem; submanifolds in Euclidian 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.

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.

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.

Integers; rational, real, and complex numbers; group theory.

MATH 4442 MODERN ALGEBRA II 3.0

Modern Algebra II.

Prerequisite: Math 4441.

Rings, integral domains, and fields; polynomials over a field, matrices over a field, algebraic numbers and ideals.

MATH 4450 THEORY OF NUMBERS 3.0

Theory of Numbers.

Prerequisite: Math 3000.

Properties of integers, divisibility, congruence of problems.

MATH 4455 ERROR CORRECTION CODES 3.0

Error Correcting Codes.

Prerequisite: Math 3030 or Math 3435.

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, Reed-Muller codes, cyclic codes, BCH codes, and fast decoding BCH codes.

MATH 4460 CRYPTOGRAPHY 3.0

Cryptography.

Prerequisite: Math 3030 or Math 3435 and the ability to program in a high level 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: Biol 1107K, 1108K, and Math 2211.

(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: 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 t-tests, chi-square 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: 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 and the ability to program in a high-level language.

(Same as CSc 4610.)

Nature of error; iteration; techniques for nonlinear systems; zeros of functions; interpolation; numerical differentiation; Newton-Cotes formulae for definite integrals; computer implementation of algorithms.

MATH 4620 NUMERICAL ANALYSIS II 3.0

Numerical Analysis II.

Prerequisites: Math 3030 or 3045, and the ability to program in a high-level language.

(Same as CSc 4620.)

Gaussian Elimination for linear systems; least squares; Taylor, predictor-corrector and Runge-Kutta methods for solving ordinary differential equations; boundary value problems; partial differential equations.

MATH 4661 ADVANCED CALCULUS I 3.0

Advanced Calculus I.

Prerequisite: Math 3435; corequisite: Math 4435.

Rigorous introduction to the theory of Mathematical Analysis with emphasis on proofs. Topics include: real numbers, limits and continuity of real valued functions, numerical sequences and series, differentiation and integration of functions of a single variable.

MATH 4662 ADVANCED CALCULUS II 3.0

Advanced Calculus II.

Prerequisite: Math 4661.

Sequences and series of functions; differentiation and integration of functions of several variables; basic theory of metric spaces.

MATH 4671 TRANSFORMS IN APPLIED MATH 3.0

Transforms in Applied Mathematics.

Prerequisite: Math 3030 or Math 3435.

The Laplace transform, discrete and continuous Fourier Transforms, z-transforms, discrete filters, and wavelets.

MATH 4751 MATHEMATICAL STATISTICS I 3.0

Mathematical Statistics I.

Prerequisite: Math 2215.

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.

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 and the ability to program in a high-level 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 user-written programs.

MATH 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.

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 upper-division hours in mathematics.

Authorization required. Independent investigation of topics of common interest to student and instructor.

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.

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 in 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.

Study 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 , 2020 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, MSL 2020 or military service equivalent.

Examines the role communications, values, and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey Army leadership doctrine. Emphasis on improving oral and written communication abilities.

MSL 4010 LEADERSHIP AND MANAGEMENT 3.0

Leadership and Management.

Prerequisite: MSL 1010, MSL 1020, MSL 2010, MSL 2020 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, MSL 1020, MSL 2010, MSL 2020 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 semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

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 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 CHORAL ENSEMBLE 1.0

Choral Ensemble.

Study, rehearsal, and concert performance of choral literature of various periods and styles. 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 two-semester sequence which serves as an introduction to fundamental principles of note reading, rhythm and meter, aural-pattern recognition, singing, and keyboard rudiments.

MUS 1420 BASIC MUSICIANSHIP II 4.0

Basic Musicianship II.

Prerequisite: Mus 1410.

Not acceptable for credit for Bachelor of Music candidates.

Second in a two-semester sequence which serves as an introduction to fundamental principles of note reading, rhythm and meter, aural-pattern 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 or a score of 70 percent or higher 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 music-theory 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.

MUS 1540 AURAL SKILLS I 1.0

Aural Skills I.

Prerequisites: 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.

Prerequisites: Mus 1540.

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: consent of instructor or Mus 1710.

Continuation of skills, literature, and technique introduced in Mus 1710 at a more advanced level.

MUS 1730 GROUP INSTRUC IN VOICE I 1.0

Group Instruction in Voice I.

Fundamentals of vocal production. Development of technique through group and solo singing.

MUS 1740 GROUP INSTRUC IN VOICE II 1.0

Group Instruction in Voice II.

Prerequisite: Mus 1730.

Continuation of Mus 1730.

MUS 1750 GROUP INSTR IN GUITAR I 1.0

Group Instruction in Guitar I.

Prerequisite: consent of instructor.

Beginning instruction of skills necessary to play the guitar.

MUS 1760 GROUP INSTRUC GUITAR II 1.0

Group Instruction in Guitar II.

Prerequisite: Mus 1750 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.

Prerequisites: Mus 1450.

Corequisite: Mus 1550, 2540, or 2550.

Continuation of common-practice chromatic harmony; study of post-common practice chromaticism including linear chords and remote modulation. Introduction to three-part counterpoint and fugue.

MUS 2450 THEORY IV 3.0

Theory IV.

Prerequisites: Mus 2440.

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.

Prerequisite: Mus 2450.

Baton techniques, score reading.

MUS 2540 AURAL SKILLS III 1.0

Aural Skills III.

Prerequisite: Mus 1550.

Corequisite: Mus 1450, 2440, or 2450.

Continuation of the two-year 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.

Corequisite: Mus 2440 or 2450.

Completion of the two-year 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 INSTRUC IN PIANO IV 1.0

Group Instruction in Piano IV.

Prerequisite: Mus 2710 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.

Prerequisite: Mus 1440, 1540, 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.

Topics include dominant function chords, bebop scales, pentatonic scales, II-V 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.

Half-hour public recital.

MUS 3010 BASIC IMPROVISATION 1.0

Basic Improvisation.

Prerequisite: Mus 1450, 1550, or consent of instructor.

Introduction to improvisation, from chord-scale techniques to nonharmonic-based improvisation.

MUS 3050 NEW MUSIC ENSEMBLE 1.0

New Music Ensemble.

Prerequisite: Audition or consent of instructor.

Chamber ensemble that performs primarily post World 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 3070 ORCHESTRA 1.0

Orchestra.

Study, rehearsal, and concert performance of orchestral literature of various periods and styles. May be repeated for credit.

MUS 3080 CHORAL ENSEMBLE 1.0

Choral Ensemble.

Study, rehearsal, and concert performance of choral literature of various periods and styles. 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

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 3270 STRING PEDAGOGY 1.0

String Pedagogy.

Prerequisite or corequisite: Mus 3240 or consent of instructor.

Teaching string students in group and individual settings. Investigation of major string methods, review of teaching materials at various stages of string performance levels, motivation, evaluation, and recruiting and retention.

MUS 3271 WIND PEDAGOGY 2.0

Wind Pedagogy.

Prerequisite or corequisite: Mus 3230, 3250, or consent of instructor.

Two lectures per week. Teaching brass and woodwind students in large and small groups and individual settings.

Topics include investigation of major wind methods, review of teaching materials at various stages of wind performance levels, motivation, evaluation, recruiting and retention, and the national standards. Students perform on secondary 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

(TE) 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

(TE) 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

(TE) Choral Music in the Schools.

Prerequisite: Admission to music education program or consent of instructor.

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 3360 INSTRU MUSIC IN SCHOOL 3.0

(TE) Instrumental Music in the Schools.

Prerequisite: Admission to music education program or consent of instructor.

Principles and techniques for organizing and teaching instrumental music in school settings. Topics include program development, articulation among levels, repertoire,

teaching strategies, and assessment and evaluation. Field experience in a school setting.

MUS 4000 RECITAL II 0.0

Recital II.

Prerequisite: Must be admitted to applied music study at the 3000 level.

One-hour public recital.

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 computer-aided instruction.

MUS 4100 JAZZ COMBO ARRANGING 1.0

Jazz Combo Arranging.

Prerequisite: Mus 2400.

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 or equivalent.

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.

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.

Contemporary arranging techniques for rhythm section and two, three, and four wind instruments.

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, Mus 1450, Mus 1540, Mus 1550, or equivalent.

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.

Part-time 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.

Full-time 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.

Part-time supervised on-the-job 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 3.0

Piano Pedagogy I.

Approaches and materials for children and high-school 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.

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.

Three lecture hours a week. Advanced structural and stylistic analysis of large one-movement and multi-movement works from the common-practice period.

MUS 4460 POST-TONAL ANALYSIS 3.0

Analysis of Post-Tonal Music.

Prerequisite: Mus 2450.

Three lecture hours a week. Theories of musical structure in the post-tonal 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.

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 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.

Three lecture hours a week. Exploration, through composition and analysis, of the style and contrapuntal techniques of the Renaissance (Palestrina-style modal counterpoint) and Baroque (Bach-style 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 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 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 INSTRCT IN JAZZ KEYBOARD 1.0

Group Instruction in Jazz Keyboard.

Prerequisite: Mus 2720 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.

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.

Prerequisites: Mus 2780 or consent of instructor.

Jazz improvisation including compositional techniques, altered dominant scales, minor ii-v7s, ballad interpretation, memorization, and chord substitutions.

MUS 4791 ADV JAZZ IMPROV II. 1.0

Advanced Jazz Improvisation II.

Prerequisite: Mus 4790/6790 or consent of instructor.

Continuation of Mus 4790. Advanced improvisation concepts and performance skills emphasizing composition, altered dominant scales, minor ii-v7s, ballad interpretation, memorization, and chord substitutions.

MUS 4792 JAZZ THEORY 2.0

Jazz Theory.

Prerequisite: Mus 2450 or equivalent.

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 1440 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 1440 or consent of instructor.

An investigation of western art music from 1740 through the twentieth century.

MUS 4820 WORLD MUSIC 2.0

World Music.

Comparative survey of various nonwestern musical cultures.

MUS 4830 PRACTICUM IN MUSIC ED II 9.0

Internship in Music Education II.

Prerequisite: Approval of music education faculty.

Full-time, supervised on-the-job music teaching internship in a school setting.

MUS 4850 JAZZ STYLES 2.0

Jazz Styles.

Prerequisite: Mus 2450, 2780 or equivalent.

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 and consent of the 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 or consent of instructor.

Literature for small string and wind chamber ensemble.

MUS 4940 ORCHESTRAL LITERATURE 3.0

Orchestral Literature.

Prerequisite: Mus 2450 or Mus 6070 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 or equivalent.

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 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 or consent of the 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 or consent of the 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.

MUSIC APPRECIATION**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 2BEGIN PIANO/NON-MUS MAJOR 2.0

Beginning Piano for Non-Music 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 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 1930 UNDERSTANDING GREAT MUSIC 3.0

Masterworks: Listening to and Understanding Great Music. Music, its forms, styles, and media, as an element of modern culture through lecture and listening assignments. Ability to read music is not 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 HISTORY OF POPULAR MUSIC 3.0

History of Popular Music.

In-depth musical and sociological analysis of the origin and development of contemporary popular music including folksongs, blues, minstrelsy, tin pan alley, popular songs, musical theater, rhythm and blues, rock, country and western, soul, gospel, contemporary Christian, and popular music of the late-twentieth century.

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 3810 HISTORY OF AFR-AMER MUSIC 3.0

History of African-American Music.

(Same as AAS 3810.)

Musical and sociological survey of the origins and development of African-American 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 3930 UNDERSTANDING GREAT MUSIC 3.0

Masterworks: Listening to and Understanding Great Music. Music, its form, styles, and media, as an element of modern culture through lecture and listening assignments. Ability to read music is not 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 HISTORY OF POPULAR MUSIC 3.0

History of Popular Music.

In-depth musical and sociological analysis of the origin and development of contemporary popular music including folksongs, blues, minstrelsy, tin pan alley, popular songs, musical theater, rhythm and blues, rock, country and western, soul, gospel, contemporary Christian, and popular music of the late-twentieth century.

MUSIC TECHNOLOGY MANAGEMENT

MTM 3010 INTRO TO MUSIC INDUSTRY 3.0

Introduction to Music Industry.

Prerequisite: Engl 1102.

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 MUS 3.0

Promotion of Recorded Music.

Prerequisite: MTM 3010.

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 MARKT AND BRANCH SALES MI 3.0

Marketing and Branch Sales in the Music Industry.

Prerequisite: MTM 3010.

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 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 3020.

Copyrights, contracts, and legal considerations in recording, producing, artist representation, retail, and other areas of the music industry. Examination of well-known legal cases pertaining to the music industry.

MTM 3060 INTERNSHIP I 3.0

Internship.

Prerequisites: MTM 3010, 3020, 3030; minimum of 2.5 cumulative GSU GPA; and consent of MTM faculty.

On-campus internship or representative experiences in the music industry.

MTM 3070 INTERNSHIP II 3.0

Internship II.

Prerequisite: MTM 3060 and consent of the MTM faculty.

Second internship experience in an approved on-the-job music industry setting.

MTM 3080 INTERNSHIP 6.0

Internship.

Prerequisite: consent of MTM faculty.

Full-time 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 and 1112K, Phys 2030K, Mus 2440.

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 and 1112K, Phys 2030K, Mus 2440.

Two lecture and two laboratory hours. Studio-based 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 and 1112K, Phys 2030K, Mus 2330.

Two lecture and two laboratory hours. Studio-based application of recording techniques including musical judgments in audio mixing, recording production, and post-production. Editing, mastering, and master recording preparation. Laboratory training in techniques for high-quality 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 Post-Production.

Prerequisite: MTM 3130.

Three lecture hours and three laboratory hours. Introduction to the digital audio workstation as the central tool for audio post-production. 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 compact-disc mastering. Digital filter theory, time-frequency manipulations, and software for audio post-production are also covered.

MTM 3250 MUSIC VIDEO PRODUCTION 2.0

Music Video Production.

Prerequisite: MTM 3020 or consent of the 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 post-production and business/legal implications.

MTM 3300 COPYRIGHT AND MUSIC PUBL 3.0

Copyright and Music Publishing.

Prerequisite: MTM 3020; Corequisite: MTM 3050.

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.

Prerequisites: MTM 3020, Acct 2101, CIS 2010.

Decision-making for starting a business; emphasis on business organization. Accounting methods, royalty statements, balance and income sheets, cash flow, operational and regulatory taxes, break-even 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 3020 and 3050.

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 3050.

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.

Prerequisite: MTM 3120 and consent of the 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.

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.

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.

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.

NURSING

NURS 2010 HLTH & HUM LIFESPAN DEVEL 3.0

Health and Human Development Across the Lifespan. This course focuses on health issues related to the stages of human development across the lifespan within 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. 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. 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. 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.

NURS 2160 BASIC SKILLS 6.0

Basic Skills. Prerequisites: Biol 2300/2310, Nurs 2060. Four lecture hours and six laboratory hours a week. Prerequisite or Corequisite: Nursing 2061. The course is designed to facilitate the student's acquisition of basic nursing practice skills.

NURS 3510 HEALTH IN ADULT POPULATIONS 3.0

Promoting, Protecting and Restoring Health in Adult Populations. Prerequisites: Nurs 2040, Nurs 2060, Nurs 2061, Nurs 2160, and HHS 3000. Corequisite: Completion of or concurrent registration in Nutr 3200. The course focuses on patterns of nursing interventions associated with health system alterations in young, middle, and older adults. Examples of dysfunction are selected from current morbidity and mortality data for the respective age groups and are organized under the framework utilized in the prerequisite nursing pathophysiology course. The content is presented from bio-psycho-social-cultural-development perspectives.

NURS 3520 HLTH IN ADULT POP PRACT 2.0

Practicum in Promoting, Protecting and Restoring Health in Adult Populations. Corequisite: Concurrent registration in Nurs 3510. Twelve clinical hours per week for seven weeks. The course is the clinical component of Nurs 3510. The course's main focus is on developing the student's ability to apply nursing knowledge associated with health system alterations in young, middle, and older adults with the goal of assisting them in the promotion, maintenance, and restoration of optimal patterns of health. Under faculty supervision, the student develops and refines professional practice.

NURS 3610 HLTH IN MOTHERS/NEWBORNS 3.0

Promoting, Protecting and Restoring Health in Mothers and Newborns. Prerequisites: Nurs 2040, Nurs 2060, Nurs 2061, Nurs 2160, and HHS 3000. Completion of or concurrent registration in 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.

NURS 3620 MOTHERS/NEWBORNS PRACT 2.0

Practicum in Promoting, Protecting, and Restoring Health in Mothers and Newborns.

Prerequisite: Concurrent registration in Nurs 3610.

Twelve clinical hours per week for seven weeks. The course is the clinical component of Nurs 3610. The major focus is on developing the student's ability to apply nursing knowledge in the care of childbearing families with the goal of assisting them in the promotion, maintenance, and restoration of optimal patterns of health. Under faculty supervision, the student develops and refines professional practice.

NURS 3710 HLTH IN CHLDRN & ADOLSCNTS 3.0

Promoting, Protecting, and Restoring Health in Children and Adolescents.

Prerequisites: Nurs 2040, Nurs 2060, Nurs 2061, Nurs 2160, and HHS 3000.

Three lecture hours per week for 15 weeks. Completion of or concurrent registration in Nutr 3200. The focus of the course is on the nursing knowledge 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.

NURS 3720 CHLDRN & ADOLSCNTS PRACT 2.0

Practicum in Promoting, Protecting, and Restoring Health in Children and Adolescents.

Prerequisite: Concurrent registration in Nurs 3710.

Twelve clinical hours per week for seven weeks. The course is the clinical component of Nurs 3710. The major focus is on developing the student's ability to apply nursing knowledge in the care of children and their families with the goal of assisting them in the promotion, maintenance, and restoration of optimal patterns of health. Under faculty supervision, the student develops and refines professional practice.

NURS 3810 MENT HLTH IN POPULATIONS 3.0

Promoting, Protecting, and Restoring Mental Health in Populations.

Prerequisites: Nurs 2040, Nurs 2060, Nurs 2061, Nurs 2160,

HHS 3000, and Psyc 3140.

Corequisite: Completion of or concurrent registration in 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, theoretical knowledge of the nursing process, principles and concepts of cultural diversity, communication theory, and psychopharmacology and articulates them with the care of the patient in a psychiatric setting.

NURS 3820 MENT HEALTH IN POPS PRACT 2.0

Practicum in Promoting, Protecting, and Restoring Mental Health in Populations.

Corequisite: Concurrent registration in Nurs 3810.

Twelve clinical hours per week for seven weeks. The course is the clinical component of Nurs 3810. The major focus of this course is on developing the student's ability to care for individuals whose dysfunctional health patterns are associated with mental illness. Under faculty supervision, the student develops and refines professional practice.

NURS 3910 HLTH IN COM & ALT SETTINGS 4.0

Promoting, Protecting, and Restoring Health in Communities and Alternative Settings.

Prerequisites: Nurs 3510/3520, Nurs 3610/3620, Nurs 3710/3720, and Nurs 3810/3820; for RN-BS students: Nurs 3980 and Nurs 4490.

Focus on interdisciplinary, participatory learning and knowledge needed to care for communities as clients with the goal of assisting communities in the promotion, maintenance, and restoration of optimal patterns of health. Key concepts and related disciplines will be used to systematically analyze health patterns in selected communities.

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 RN-BS 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, Nurs 3520, Nurs 3610, Nurs 3620, Nurs 3710, Nurs 3720, Nurs 3810 and Nurs 3820.

The course focuses on obtaining beginning nursing skills in caring for critically ill patients and families. An emphasis is placed on the day-to-day 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, Nurs 3520, Nurs 3610, Nurs 3620, Nurs 3710, Nurs 3720, Nurs 3810, Nurs 3820.

Prerequisite or Corequisite: Nurs 4210 must be taken concurrent with or prior to Nurs 4220.

This course focuses on obtaining beginning nursing skills on the day-to-day information required of a critical care nurse, such as assessments and interventions related to pathophysiology, pharmacology, and technology.

NURS 4230 INTERNATIONAL NURSING 3.0

International Public Health Nursing.

Prerequisite: completion of junior clinical courses or RN students.

This course is designed to help students develop and international perspective as they prepare to practice nursing in a world of interdependent nations and cultures. It provides the student with the opportunity to synthesize knowledge and competencies developed in families, and communities in a developing country with different cultural

values, customs, and manners. An overview of the health care system is provided with an emphasis on social, environmental, political, spiritual, and cultural influences and their relationship to the health status of the people in a developing country.

NURS 4240 INTERNATIONAL NURSING PRACT 1.0 to 3.0

International Public Health Nursing Practicum

Prerequisite Concurrent with or following NURS 4230.

This course is the clinical component of NURS 4230, International Public Health Nursing. The student will have the opportunity to assess nursing in an international setting. The major focus is to provide the student with the opportunity to apply nursing knowledge, competencies, and skills in the systematic analysis of population health patterns in a developing country. The student will examine the role of selected international health organizations and see how they contribute to the achievement of the delivery of low-cost technologies.

NURS 4490 BACC NURS PERSPECTIVE RN 3.0

Baccalaureate Nursing Perspective for Registered Nurses.

Prerequisite: acceptance into the RN-BS program.

The course focuses on the orientation of the registered nurse into baccalaureate nursing education. The course is designed for the registered nurse who is returning for completion of the baccalaureate degree in nursing. The learner is provided with the opportunity to explore professional nursing from the baccalaureate perspective. The learner is introduced to the philosophy and conceptual framework of Georgia State University's School of Nursing. Group process is reviewed and implemented in seminar. The nursing process and major curriculum concepts are reviewed and applied in the care of selected clients and to the discussion of case studies.

NURS 4600 TRANSITION TO PROFSNL NURSG 3.0

Transition into Professional Nursing.

Prerequisites: HHS 3500, Nurs 3510/3520, 3610/3620, 3710/3720, and 3810/3820.

For RN-BS students: NURS 3980 and 4490.

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: Concurrent registration in Nurs 4600.

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, Nurs 3520, Nurs 3610, Nurs 3620, Nurs 3710, Nurs 3720, Nurs 3810, Nurs 3820, HHS 3500.

Corequisites: Nurs 4600, Nurs 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.

NUTRITION

NUTR 3000 INTRO TO NUTRITION PROF 1.0

Introduction to the Profession of Nutrition.

Prerequisites: Permission of instructor.

Through class discussion, visits from practitioners, and faculty lectures, students are introduced to the present and projected roles of dietitians and nutritionists. Medical terminology, professional organization membership, and ethical behavior in nutrition and dietetics are discussed.

NUTR 3100 NUTRITION AND HEALTH 3.0

Nutrition and Health.

Students will obtain basic knowledge about nutrients and energy, selecting foods of high nutrient density, and identifying truths and untruths among advertised claims for food products. Controversial issues such as supplementation, reducing diets, dietary fats, sugar in cardiovascular disease, and many others are 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 permission of instructor.

This on-line course introduces the student to the characteristics of food-borne illnesses and of their causal agents, including bacteria, parasites, viruses, and natural toxicants are covered in this course. 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. For Nursing students. 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 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 will be 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. Age-specific dietary recommendations for optimal health and disease prevention are components of this course.

NUTR 4000 FOOD AND CULTURE 3.0

Food and Culture.

Prerequisites: Nutr 3100.

This course includes 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 4200 MED NUTRITION THERAPY I 3.0

Medical Nutrition Therapy I.

Prerequisites: Nutr 3500.

This course introduces students to medical nutrition therapy through evidence-based 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 evidence-based practice. Medical nutrition therapy for the prevention and treatment of the following conditions are covered: gastrointestinal, liver, gallbladder, renal, trauma, pulmonary, and special feeding techniques. For 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 skills in the application of interviewing and counseling models to help clients achieve and maintain dietary behavior change. The course includes factors influencing dietary intake and adherence, models of dietary behavior development of instructional materials, 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 community-based nutrition interventions for specific target groups; includes U.S. government food and nutrition programs and the policy-making 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.

This 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: Permission 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 supervision of weight change, unique dietary concerns for the female, endurance and the vegetarian athletes, the pre-game meal, and the interrelationships among nutrition, physical activity and cardiovascular health.

NUTR 4970 NUTRITION AND THE MEDIA 3.0

Nutrition and The Media.

Prerequisites: Nutr 3100, Spch 1000 or consent of instructor

This course is design to provide students with a hands-on experience with various media formats. Students will write press releases, plan and practice radio and TV interviews, and write short nutrition feature stories for print.

NUTR 4980 GERIATRIC NUTRITION 3.0

Geriatric Nutrition.

Prerequisites: Nutr 3100.

Nutritional needs and food habits of the elderly are explored as they relate to food intake and nutrient utilization. Special attention is placed on the effect of the various aspects of aging: biological, psychological and social.

NUTR 4990 ENTREPRENEURIAL NUTRITION 3.0

Entrepreneurial Nutrition.

Prerequisites: NUTR 3100 or consent of instructor.

Students learn successful techniques of entrepreneurship in dietetics. Business plans are formulated for development of private practice in dietetics.

NUTR 4999 NUTRITION PROJECT 1.0 to 6.0

Nutrition Project.

Prerequisites: Permission of instructor.

This course includes supervised independent study in an area of special interest to the student.

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 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 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 or equivalent.

Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Persian.

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.

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.

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 on-line 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.

PHILOSOPHY

PHIL 1010 CRITICAL THINKING 2.0

Critical Thinking (previously Phil 2410).

Development of practical, logical, and problem-solving skills important to all disciplines, with emphasis on the composition of argumentative essays. Definitions, types of meanings, fallacious and deceptive arguments, deductive and inductive reasoning. This course may be used as one of the courses required in Area B, Institutional Options.

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 2.0

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 2430 HONORS CRITICAL THINKING 3.0

Honors Critical Thinking.

Corequisite: Engl 1103H.

Development and application of principles of logic and sound reasoning. Open only to Honors students.

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 HIST-W 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 HISTORY-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 HIST-W PHIL III-19-20TH CENTRY 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 mid-twentieth 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 HISTORY OF AFRICAN-AMER PHIL 3.0

History of African-American Philosophy.

(Same as AAS 3080.)

Analysis of selected figures, such as W.E.B. DuBois, Frederick Douglass, Martin Luther King, Jr., Alain Locke, and Angela Davis.

PHIL 3200 CONSCIOUSNESS & THE PARANORMAL 3.0

Consciousness and the Paranormal.

(Same as RelS 3200.)

Examination of issues such as ESP, reincarnation, remote viewing, prophecy, near-death experience, mystical experiences from both Eastern and Western traditions, meditation, Kundalini, and possession.

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 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 CLAS/ERLY MODERN POLIT 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 4010 PLATO 3.0

Plato.

Prerequisite: one 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.

PHIL 4020 ARISTOTLE 3.0

Aristotle.

Prerequisite: one course in philosophy 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.

PHIL 4030 SPECIAL TOPICS IN ANCIENT PHIL 3.0

Special Topics in Ancient Philosophy.

Prerequisite: one course in philosophy 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. A maximum of six hour credit may be applied toward the major.

PHIL 4040 AUGUSTINE & AQUINAS 3.0

Augustine and Aquinas.

(Same as RelS 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.

PHIL 4050 SPECIAL TOP: MODERN PHILOSOPHY 3.0

Special Topics in Modern Philosophy.

Intensive study of major works of at least two of the following rationalist or empiricist philosophers: Descartes, Spinoza, Leibniz, Malbranche, Locke, Berkeley, Hume, or Reid.

PHIL 4060 KANT 3.0

Kant.

Selected works of Kant, such as The Critique of Pure Reason or The Foundations of the Metaphysics of Morals.

PHIL 4070 MARXISM 3.0

Marxism.

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.

PHIL 4080 WITTGENSTEIN 3.0

Wittgenstein.

Intensive study of selected works, including the Tractatus Logico-Philosophicus, Philosophical Investigations, On Certainty, and others.

PHIL 4090 SPEC TOP:CONTINENTAL PHILOSOPHY 3.0

Special Topics in Continental Philosophy.

Study of works of such authors as Husserl, Scheler, Heidegger, Sartre, Merleau-Ponty, and Ricoeur.

PHIL 4095 SPEC TOPICS IN ANALYTIC PHIL 3.0

Special Topics in Analytic Philosophy

Study of works of such authors as Russell, Moore, Carnap, Putnam, Lewis, Feinberg, Hart, and Rawls

PHIL 4100 EPISTEMOLOGY 3.0

Epistemology.

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.

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 4300 METAPHYSICS 3.0

Metaphysics.

Prerequisite: one upper-level course in philosophy or religious studies.

(Same as RelS 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.

PHIL 4330 PHILOSOPHY OF MIND 3.0

Philosophy of Mind.

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 4520 SYMBOLIC LOGIC 3.0

Symbolic Logic.

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.

Prerequisite: one course in philosophy or consent of instructor.

Efforts in twentieth-century 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 Hindu religion and philosophy, with some consideration of Indian Buddhism, Jainism, Sikhism, Islam, and contemporary thought.

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 4630 COMPARATIVE STUDY OF MYSTICISM 3.0

Comparative Study of Mysticism.

(Same as RelS 4630.)

Theoretical and methodological investigation of mystical experiences and traditions.

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.

Comparative study of attitudes toward war and violence in major religious traditions. Topics may include the Christian just-war 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 4700 ETHICS 3.0

Ethics.

Major Western theories, such as relativism, egoism, emotivism, utilitarianism, deontology, naturalism, intuitionism, virtue ethics, existential ethics, and feminist ethics.

PHIL 4710 BIOMEDICAL ETHICS 3.0

Biomedical Ethics.

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 4800 SOCIAL & POLITICAL PHILOSOPHY 3.0

Social and Political Philosophy.

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.

Prerequisite: one course in philosophy 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 4830 PHILOSOPHY OF ART 3.0

Philosophy of Art.

Historical and contemporary accounts of the nature of art, aesthetic experience, creative activity, imagination, expression, interpretation, and aesthetic evaluation.

PHIL 4850 AFR-AMER ETHICAL/LEGAL ISSUES 3.0

African-American Ethical and Legal Issues.

Prerequisite: one course in philosophy or consent of instructor.

(Same as AAS 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.)

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.

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 4900 ISSUES IN PHILOSOPHY 3.0

Issues in Philosophy.

Examination of selected philosopher(s) or topic(s).

May be repeated if topic varies, but only six hours credit 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 upper-level courses.

PHOTOGRAPHY

PHOT 3000 PHOTOGRAPHY I 3.0

Photography I.

Introduction to photography within fine arts context.

Operation of 35mm camera, black and white film exposure and development, silver gelatin print processing, archival presentation.

PHOT 3010 PHOTOGRAPHY II 4.0

Photography II.

Prerequisite: Phot 3000.

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.

Prerequisites: Phot 3000, 3010.

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.

Prerequisites: Phot 3000, 3010.

Techniques and aesthetic elements of color. Negative and positive films, negative print processing.

PHOT 4200 DOCUMENTARY PHOTOGRAPHY 3.0

Documentary Photography.

Prerequisites: Phot 3000, 3010.

History and practice of documentary photography within studio context. Emphasis on contemporary practice.

PHOT 4300 STUDIO PHOTOGRAPHY 4.0

Studio Photography.

Prerequisites: Phot 3000, 3010.

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 4000-level photography course, or consent of instructor.

Exploration in photography examining philosophy of art making through intensive studio practice.

PHOT 4420 DIGITAL I 4.0

Digital I.

Prerequisites: Phot 3100 and one 4000-level photography course.

Introduction to computer-assisted imaging. Basic understanding of Macintosh computer operation is essential.

PHOT 4430 DIGITAL VIDEO FOR ARTISTS 4.0

Digital II.

Prerequisite: Phot 4420.

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.

Individual studio problems for advanced students.

May be repeated for a maximum of 12 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 3100, 4910, and two 4000-level photo studio courses, 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.

Senior-year studio experiences for B.F.A. degree candidates. Committee review.

PHOT 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite: Phot 4940 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 School director.

Independent studies initiated by the student.

May be repeated for a maximum of 8 credit hours if topic varies.

PHYSICAL SCIENCE

PHSC 1011K PHYSICAL SCIENCE 3.0

Physical Science.

Two lecture and two laboratory hours a week. Basic concepts of physical science with attention given to the underlying philosophy of natural science. The laboratory will complement the series of lectures with attention given to measurement, experimentation, and generalization. Not open to B.S. students in the College of Arts and Sciences. No credit if Phys 1111K, 1112K, 2211K, or 2212K are taken.

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.

Phys 1111K-1112K. Introductory Physics I and II. (4 each)

Three lecture and two laboratory hours a week, each. Phys

1111K: Mechanics, heat, and wave motion. Phys 1112K:

Electricity, light, modern physics. Phys 1111K-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-2212K.

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 Chi-A 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 self-defense, exercise,

rehabilitation and meditation. Application of the

principles and practices of Tai Chi to various physical

impairments and disabilities is discussed.

PHYSICS

PHYS 1111K INTRODUCTION TO PHYSICS I 4.0

Introductory 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

Introductory 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.

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.

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-1112K; Math 2212 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.

Prerequisite: Phys 2211K-2212K.

Four lecture hours a week. Special relativity, quantum optics, wave and particle duality, Bohr theory, Shroedinger's quantum mechanics, one-electron atom, spin, and angular momentum.

PHYS 3402 MODERN PHYSICS II 3.0

Modern Physics II.

Prerequisite: Phys 3401.

Three lecture hours a week. Atomic spectra, X-ray spectra, nuclear structure, nuclear reactions, elementary particles, molecular spectra and structure, solid-state physics.

PHYS 3500 ELECTRONICS 3.0

Electronics.

Prerequisite: Phys 2212K.

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.

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.

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 three-hour 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 solid-state 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.

Prerequisites: Phys 3500; CSc 3210, 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 4391 INTRO TO DIFFERENTIAL GEOMETRY 3.0

Introduction to Differential Geometry and Its Applications.

(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 Gauss-Weingarten equation; the Egregium Theorem; surfaces of constant curvature and non-Euclidean 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.

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.

(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.

(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, Sturm-Liouville system, complex analysis, and integration.

PHYS 4600 CLASSICAL MECHANICS 4.0

Classical Mechanics.

Prerequisite: Phys 2212K, Math 3260 or equivalent, or consent of nstructor.

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 3.0

Electricity and Magnetism.

Prerequisite: Phys 2211K, 2212K, or equivalent.

Three lecture hours a week. Electrostatics, steady currents, magnetic fields, magnetic induction, AC circuits, dielectrics, magnetic properties of matter.

PHYS 4810 INTRO TO QUANTUM MECHANICS 3.0

Introduction to Quantum Mechanics.

Prerequisites: Phys 3401 and Math 3260, or consent of instructor.

Three lecture hours a week. Schroedinger's theory of quantum mechanics; solutions of Schroedinger's equation; perturbation theory; one-electron 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 (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 hands-on 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, 3402, 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.

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 2130 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 2401 GLOBAL ISSUES 3.0

Global Affairs.

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 decision-making. 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 3200 COMPARATIVE POLITICS 3.0

Comparative Politics.

Comparative analysis of major political systems.

POLS 3230 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 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 nation-states.

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 STUDS-FOREIGN POL/INTERNL 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.

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.

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 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, federal-local 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 federal-state 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 ELECTORAL PROCESS 3.0
Electoral Process.
Political, institutional, social, and psychological factors involved in individual and group electoral decisions. Emphasis placed on theories of voter-policy linkage in the political system.

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 AFRICAN-AMERICAN POLITICS 3.0
African-American Politics.

(Same as AAS 4160.)

Analysis of the ideology, public opinions, and political behavior of African-Americans. African-American impact on the electoral system.

POLS 4167 WOMEN AND POLITICS 3.0

Women and Politics.

(Same as WSt 4030.)

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: Anglo-American-

adversarial-precedent systems; Napoleonic-inquisitorial-code 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 4230 AFRICAN POLITICS 3.0

African Politics.

Prerequisite (recommended): PolS 3200.

Addresses the politics of Sub-Saharan 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 nation-state.

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 socio-economic 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.

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 PERSPCT 3.0

Politics and Religion in Comparative Perspective.

Prerequisite (recommended): PolS 3200 or 3400.

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 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 north-south 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 nation-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 laissez-faire, 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 4560 AFRICAN-AMER POLITICAL THOUGHT 3.0

African-American Political Thought.

(Same as AAS 4120.)

Examination and critical analysis of African-American 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, post-colonial theory, and revisions to classic Marxist theories of social class.

POLS 4590 STUDIES IN WESTERN POL THEORY 3.0

Studies in 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 4900 STUDIES IN AMERICAN POLITICS 3.0

Studies in American Politics.

Intensive treatment of current topics in American politics and government. May be repeated for credit if topic varies.

POLS 4920 SENIOR RESEARCH 1.0 to 3.0

Senior Research.

Special directed research. Paper required. By arrangement at student request, as approved by the department.

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 GOVERNMENT INTERNSHIPS 1.0 to 6.0

Government Internships.

Prerequisite: consent of instructor.

Program to combine academic training with professional experience through short-term internships in government.

POLS 4950 PRACTICUM IN POLITICAL SCIENCE 2.0

Practicum in Political Science.

Prerequisite: consent of instructor.

Modeling of either: A. Prelaw Practices. B. International Practices. May be repeated for credit.

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 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 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 or equivalent.

Continued development of listening, speaking, reading, and writing. Vocabulary expansion; further work with grammatical structures. Not open to native speakers of Portuguese.

PRINTMAKING

PRT 3000 INTRODUCTION TO PRINTMAKING 4.0

Introduction to Printmaking.

Prerequisites: Art 1010, 1030, and one 1000-level art history course.

Basic printmaking processes including intaglio (etching), relief (linocut), and monoprint.

PRT 3150 INTAGLIO/ETCHING & LITHOGRAPHY 4.0

Intaglio/Etching and Lithography.

Prerequisite: one Prt 3000-level course or consent of instructor.

Traditional and experimental processes including etching, aquatint, and drypoint. Lithographic printing directly from prehistoric limestone slabs.

PRT 3250 SCREEN PRINT & EXPERMTL PRNTMK 4.0

Screen Print and Experimental Printmaking.

Prerequisites: one Prt 3000-level course 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 mixed-media applications.

PRT 3350 MONOPRINTING 3.0

Monoprinting.

Prerequisites: Art 1020, 1030, 1040, and two 1000-level art history courses.

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 1000-level art history courses.

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 1000-level art history courses.

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 3.0

Selected Topics in Printmaking.

Prerequisite: consent of instructor.

Special topics for studio art majors. May be repeated for a maximum of six 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 12 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 and consent of instructor.

Senior-year experiences for B.F.A. candidates. Committee review.

PRT 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite: PRT 4940 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.

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 high level 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 behavior, development, learning, memory, personality, and abnormal.

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 well-being (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.

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 well-being.

PSYC 2103 INTRO TO HUMAN DEVELOPMENT 3.0

Introduction to Human Development: Individual and Family Issues.

An introductory, nonlaboratory-based 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: one college mathematics course.

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 t-test, the F-test for one way factorial designs, and Chi Square. Computer software will be used to demonstrate statistical concepts and analyze data.

PSYC 3030 PRINCPLS&METHD/PSY INVESTIGATN 4.0

Principles and Methods of Psychological Investigation.

Prerequisite: Psyc 3010.

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,

quasi-experimental, 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.

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.

An examination of the defining characteristics, causes, and treatments of abnormal or maladaptive behaviors and psychopathology.

PSYC 3200 CLIN INTERVIEW:THEORY & PRACT 3.0

Clinical Interviewing: Theory and Practice.

Prerequisite: Psyc 1101.

Theoretical foundation of interviewing and practice of related skills.

PSYC 3450 HEALTH PSYCHOLOGY 3.0

Health Psychology.

Prerequisite: Psyc 1101.

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 AFRICAN-AMERICAN PSYC 3.0

Introduction to African-American Psychology.

Prerequisite: Psyc 1101.

(Same as AAS 3050.)

Examination of theory and research pertaining to African-Americans with emphasis on the Afrocentric perspective.

PSYC 3560 LEADERSHIP & GROUP DYNAMICS 3.0

Leadership and Group Dynamics.

Prerequisite: Psyc 1101.

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 two-hour 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.

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

Cross-Cultural Psychology.

Prerequisite: Psyc 1101.

The influence of culture on human cognition, emotion, and behavior with focus on theory and research in developmental, personality-social, health, and organizational psychology.

PSYC 4040 DEVELOPMENTAL PSYCHOLOGY 3.0

Developmental Psychology.

Prerequisite: Psyc 1101.

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, 3010, and 3030.

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 one-hour laboratory experience (Psyc 4000) is available.

PSYC 4110 PHYSIOLOGICAL PSYCHOLOGY 3.0

Physiological Psychology.

Prerequisites: Psyc 1101, 3010, and 3030.

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 or consent of instructor.

(Same as Biol 4116.)

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, 3010, and 3030.

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 one-hour laboratory experience (Psyc 4000) is available.

PSYC 4130 SENSATION AND PERCEPTION 3.0

Sensation and Perception.

Prerequisites: Psyc 1101, 3010, and 3030.

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, 3030, 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"), event-related 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.

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, 3010.

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.

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.

The psychology of people as members of larger systems, including work, volunteer, religious and community

groups and organizations. Joining, socialization, commitment, satisfaction, leadership, decision-making, conflict, accountability, and organizational change.

PSYC 4300 ADOLESCENT PSYCHOLOGY 3.0

Adolescent Psychology.

Prerequisite: Psyc 1101.

Characteristics and theories of adolescent development.

PSYC 4310 CRIME, DELINQUENCY & PSYCHOLOGY 3.0

Crime, Delinquency, and Psychology.

Prerequisite: Psyc 1101.

In-depth consideration of psychological approaches to the understanding and correction of criminal and delinquent behavior.

PSYC 4400 PSYCHOLGY OF THE ATYPICAL CHILD 3.0

Psychology of the Atypical Child.

Prerequisite: Psyc 1101.

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, 3140, plus 4200 or 4220.

Introduction to major theories concerning etiology and remediation of emotional distress; diagnostic nomenclature.

PSYC 4510 COMMUNITY PSYCHOLOGY 3.0

Community Psychology.

Prerequisite: Psyc 1101.

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.

(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.

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.

(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.

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, 3010, and 3030.

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.

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.

(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 3030 or 3840.

(Same as Biol 4241/6241.)

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 4760 RESEARCH PRACTICUM IN PSYC 1.0 to 3.0

Research Practicum in Psychology.

Prerequisites: Sophomore standing, Psychology GPA of 3.0 or better, 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 full-time faculty supervisor is required. An off-campus supervisor may be used from community-based 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, sophomore standing, Psychology GPA of 3.0 or better, overall GPA of 2.5 or better, 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 full-time faculty supervisor is required. An off-campus supervisor may be used from community-based 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.

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 DEVELOP PROCESS 3.0

The Career Development Process.

This course uses a highly participative, student-centered learning format. Students will learn about a variety of ways to align the career aspirations of employees with the goals of organizations. Major career development system components will be examined, including targeted selection, job enrichment, fast-tracking, core competency assessments, work-family programs, diversity initiatives, management development, performance planning, mentoring, and succession planning. Career planning and development issues that impact people during different life stages will be addressed. Methods of influencing organizational decision makers to adopt effective career development interventions will be studied. Students will also examine their personal and professional goals, preferences, interests, skills, and values in order to formulate concrete action plans.

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.

Prerequisite: PAUS 3011.

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 3511 AVIATION METEOROLOGY 3.0

Aviation Meteorology.

Interpretation of meteorological phenomena affecting aircraft flight. Basic concepts of aviation meteorology: temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, fog. Analysis and use of weather data for flight planning and safe flying; interpretation of U.S. Weather Service maps, reports, and forecasts.

PAUS 3521 AERONAUTICS & FLIGHT TECH 3.0

Aeronautics and Flight Technology.

This course covers basic aerodynamics at the commercial pilot level and provides an overview of modern technology in aircraft instrument and flight control systems, communication, navigation, and surveillance. It is intended to provide the student with a working knowledge of aircraft technologies used in modern air transport and general aviation aircraft.

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 HUMAN RES DEV 3.0

Introduction to Human Resource Development.

This course will introduce students to the human resource development (HRD) profession. A full range of roles and issues will be explored that include issues and procedures associated with the design and development of training programs, organizational development interventions and strategies for career development and counseling. Students will learn how HRD practitioners view their mission and how they work with others in their organizations. For those who do not expect to be HRD practitioners, the course will provide insights about how HRD professionals provide a very important service to their organizations and how these practitioners respond to the needs of their co-workers as

internal colleagues or external consultants. The course will be highly participative and discussions will center on recent research and real life 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 real-world 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 SEM URBAN RESEARCH DESIGN 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 HUMAN RESOURCE MGT 3.0

Issues and Problems in Human Resource Management.

This is an advanced undergraduate introduction to the human resources management process in organizations, with an emphasis on public and nonprofit agencies. The course concentrates on the policy issues and problems that challenge today's human resources specialists, managers, and supervisors. Students will study important 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 ORGANIZ CONTEXTS OF HR 3.0

Organizational Contexts of Human Resources.

The contemporary HR practitioner faces special challenges in every type of work environment. This course will explore how organizational contexts can affect the need for and impact of employee and organizational development interventions. Of particular interest will be the learning organizations, the link between culture and organization performance, and recommendations for managing organizational change.

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 AFR-AMER POLITICAL PARTIC 3.0

African-American Political Participation.

Analysis of the ideology, public opinions and political behavior of African-Americans. Study of the African-American impact on the electoral system.

PAUS 4401 PLANNING THEORY & ANAL 3.0

Planning Theory and Analysis.

Prerequisites: PAUS 3411, PAUS 4021, PAUS 4031. (3)

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.

PAUS 4421 GIS APP. PLAN & POL ANAL 3.0

GIS Application to Planning and Policy Analysis.

Prerequisites: PAUS 4021 and PAUS 4031.

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 role-play 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.

Prerequisite: Econ 2105 or Econ 2106.

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 4511 INTRO TO CIVIL AVIATION 3.0

Introduction to Civil Aviation.

This course is an overview of the U.S. air transportation system, including the historical evolution of legislative, technological, and economic developments in the air transportation industry. Subjects include the U.S. airline and general aviation industries, air traffic control, airports, air cargo, international air transportation, and the socioeconomic impact of air transportation upon modern civilization. It is recommended that students complete this course prior to taking higher numbered aviation courses.

PAUS 4521 AVIATION HISTORY 3.0

Aviation History.

This course is a history of manned flight. With emphasis on the role of national defense in the development of aeronautical science, subjects span man's earliest notions of flight to modern space travel. This study of aviation history provides a perspective from which to understand and appreciate the problems of flight in the modern world.

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 4541 AVIATION & TRANS LAW REGS 3.0

Aviation and Transportation Law and Regulations.

Government laws, regulations, and requirements affecting ground and air transportation system operations. Study of regulatory agencies involving transportation and aviation.

PAUS 4551 AIRLINE MANAGEMENT 3.0

Airline Management.

Topics for this course include: management in airline operations; organizational structures of airlines; personnel supervision; federal labor regulations and practices; scheduling of resources; effect of federal regulations; internal control and auditing; industrial, financial, and economic implications. International air transportation operations topics include global airline competition, international organizations, bilateral agreements, and international marketing.

PAUS 4561 AIRLINE MK, PUBLIC RELATIONS 3.0

Airline Marketing, Public Relations, and Passenger Operations.

An overview of practices in advertising, sales, public relations, and marketing efforts; measurement of marketing effectiveness; public relations programs; relationship to scheduling of services. Operations of travel agencies relative to airline bookings and promotion; general principles of tourism. Overview of passenger operations, ticketing systems, and seat inventory management.

PAUS 4571 AIR CARGO OPERATIONS 3.0

Air Cargo Operations and Systems.

Ground support functions and maintenance for aircraft; operational activities prior to and after flight. Practices and responsibilities in the varied operations centered about the transshipment of air cargo. Includes logistics of air freight and special regulations and laws pertaining to air cargo operation; security practices; handling hazardous cargo; liability policies.

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 4591 GENERAL AVIATION MANAGEMENT 3.0

General Aviation Management.

A study of fixed base operations and corporate aviation.

The course will examine in the fixed base operation: sources of profit, cash flow, finance, use of human resources, management information systems, maintenance, and operations. In corporate aviation the course will examine benefits of controlling internal aviation assets and development of profit centers.

PAUS 4592 BASIC AERONAUTICS 3.0

Practicum in Basic Aeronautics.

135 hours of classroom and flight instruction in areas including basic aerodynamics, meteorology, principles of navigation, Federal Aviation Regulations, aircraft control and performance, instruments and systems, flight planning and operations, weight and balance, safety, and flight physiology. The practicum includes all subject matter and operations required by the FAA for the private pilot rating and is completed upon successful completion of the private pilot written examination and practical test. Materials and resources for the practicum are provided by the affiliated flight school. Fees for flight and ground training are arranged separately. This course can ONLY be used in the approved elective area in the PAUS programs.

PAUS 4593 INSTRUMENT FLIGHT 3.0

Practicum in Instrument Flight.

135 hours of classroom and flight instruction in areas including advanced aircraft systems, advanced navigation and principles of instrument navigation, attitude instrument flying, airport and air traffic control instrument flight operations, Federal Aviation Regulations IFR enroute and approach procedures, safety, and flight physiology. The practicum includes all subject matter and operations required by the FAA for the instrument pilot rating and is completed upon successful completion of the instrument pilot written examination and practical test. Materials and resources for the practicum are provided by the affiliated flight school. Fees for flight and ground training are arranged separately. This course can ONLY be used in the approved elective area in the PAUS programs.

PAUS 4594 COMMERCIAL AVIA/FLT OPERATIONS 3.0

Practicum in Commercial Aviation and Flight Operations.

135 hours of classroom and flight instruction in areas including advanced aerodynamics, advanced aircraft control and performance, complex aircraft systems, commercial flight operations, and Federal Aviation Regulations to include Part 135, multi-engine aircraft procedures and operations, multi-engine aircraft aerodynamics, multi-engine aircraft systems, engine-out procedures and operations. The practicum includes all subject matter and operations required by the FAA for the commercial pilot (single engine and multi-engine) and multi-engine pilot ratings and is completed upon successful completion of the commercial pilot written examination and commercial pilot and multi-engine practical tests. Materials and resources for the practicum are provided by the affiliated flight school. Fees for

flight and ground training are arranged separately. This course can ONLY be used in the approved elective area in the PAUS programs.

PAUS 4595 FLIGHT INSTRUCTION 3.0

Practicum in Flight Instruction.

135 hours of classroom and flight instruction in areas including the learning process; barriers to learning; effective communication; teaching methods; testing and evaluation; FAA Advisory Circular 61-65D Certification of Pilots, Flight Instructors, and Ground Instructors; CFI responsibilities as stated in FAR Part 61; and an instructional-level treatment of the subject areas in PAUS 4594, Commercial Aviation and Flight Operations. The practicum includes all subject matter and operations required by the FAA for the basic Certificated Flight Instructor (CFI) rating and is completed upon successful completion of the FAA Fundamentals of Instruction and FAA Certified Flight Instructor written examinations, and the Certificated Flight Instructor practical test. Materials and resources for the practicum are provided by the affiliated flight school. Fees for flight and ground training are arranged separately. This course can ONLY be used in the approved elective area in the PAUS programs.

PAUS 4596 FLIGHT INSTRUCTION II/MEI 3.0

Practicum in Flight Instruction - Instrument & Multi-Engine.

135 hours of classroom and flight instruction in areas focusing on the application of instructional methods to instrument flight training, a comprehensive review of requirements for the instrument rating, the application of instructional methods to multi-engine flight training and a comprehensive review of requirements for the multi-engine rating. The practicum includes all subject matter and operations required by the FAA for the CFII/MEI ratings and is completed upon successful completion of the CFII/MEI practical test. Materials and resources for the practicum are provided by the affiliated flight school. Fees for flight and ground training are arranged separately. This course can ONLY be used in the approved elective area in the PAUS programs.

PAUS 4597 ADVANCED FLIGHT TRAINING 6.0

Practicum in Advanced Flight Training.

This practicum prepares the student for qualification as a commercial airline pilot. 270 hours of classroom and flight instruction in areas including advanced ground school, AST simulator, briefings, advanced multi-engine dual, advanced

systems ground school and CRM training, and full-motion simulator training. Materials and resources for this course are provided by Peachtree Flight Center, Atlantic Southeast Airlines, and Flight Safety International. Students are pre-screened for acceptance into the course by Atlantic Southeast Airlines. Materials and resources for the practicum are provided by the affiliated flight school. Fees for flight and ground training are arranged separately. This course can ONLY be used in the approved elective area in the PAUS programs.

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.

REAL ESTATE

RE 3010 REAL ESTATE PRINCIPLES 3.0

Real Estate Principles.

Prerequisite: None. CSP: 1, 7.

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.

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 cycle-costing. 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 REAL ESTATE VALUATION 3.0

Real Estate Valuation.

Prerequisite: RE 3010. CSP: 1, 6, 7.

This course covers the theory and techniques of appraising real estate by examining the principles of appraisal, the appraisal process, and standards of performance. The sales comparison, cost, and direct capitalization approaches for valuing real 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. In addition to reviewing current appraisal literature, the student is prepared to challenge beginning professional designation examinations. E-commerce aspects of the appraisal business are presented.

RE 4150 REAL EST FIN & MTGE BKG 3.0

Real Estate Finance and Mortgage Banking.

Prerequisites: Fi 3300. 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, Fi 3300. CSP: 1, 2, 6, 7.

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 4600 ADV INCOME PROPERTY ANALYS 3.0

Advanced Income Property Analysis.

Prerequisite: RE 4100, RE 4160. CSP: 1, 2, 6.

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 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.

RE 4800 APPLIED RE MARKET ANALYSIS 3.0

Applied Real Estate Market Analysis.

Prerequisites: RE 3010, Econ 2105, Econ 2106. CSP: 1, 2.

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 on-line 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.

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.

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.

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.

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. (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 socio-ameliorative processes.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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 community-based programs including transitional living, semi-independent care hospice, public parks and recreation departments, and school-based programs are covered. Community reintegration training, follow-up, transitional care, resource development, and family integrations are included. Aging, terminal illness, and mental impairment are also reviewed.

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.

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.

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.

REGENTS' TEST READING

RGTR 0199 READING REVIEW REGENTS TEST 3.0

Reading Review for the Regents' Test.

Prepares students for the reading comprehension and essay portions of the Regents' Test. Topics include the development of vocabulary, a range of comprehension skills, and rate of reading, while providing for practice in taking reading tests.

RGTR 0199I RDG REVIEW GSTEP REGENTS' TEST 3.0

Reading Review for the GSTEP Regents' Test.

Prepares nonnative speakers of English (e.g., international students, refugees, immigrants) for the reading sections of the GSTEP Regents' Test. Topics include developing vocabulary, recognizing main ideas, skimming, scanning, and inferring meaning from context. Also included is practice in responding to multiple choice and short answer test questions within a time period. Reading skills learned can be applied to other academic courses in the university.

REGENTS' TEST WRITING

RGTE 0199 WRITE REVIEW FOR REGENTS TEST 3.0

Writing Review for the Regents' Test.

Prepares students for the Regents' Test through the study of the principles of reading and writing. Topics include strategies for planning, organizing, writing, and proofreading an essay within a time period.

RGTE 0199I WRITING REVIEW: GSTEP REGENTS' 3.0

Writing Review for the GSTEP Regents' Test.

Prepares non-native speakers of English (e.g., international students, refugees, immigrants) for the writing sections of the GSTEP Regents' Test. Topics include strategies for

planning, organizing, writing, and proofreading short answer responses and essays within a time period. Reading strategies are also included to help students respond in writing to reading passages. Writing skills learned can be applied to other academic courses in the university.

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 HIST-W 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 HISTORY-WESTRN 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 HIST-W PHIL III-19-20TH CENTRY 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 mid-twentieth 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 3200 CONSCIOUSNESS & THE PARANORMAL 3.0

Consciousness and the Paranormal.

(Same as Phil 3200.)

Examination of issues such as ESP, reincarnation, remote viewing, prophecy, near-death experience, mystical experiences from both Eastern and Western traditions, meditation, Kundalini, and possession.

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 3300 HIST CHRISTIAN THOUGHT TO 20C 3.0

History of Christian Thought to the Twentieth-Century.

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 Luther; alternatives to Orthodoxy such as Gnosticism and Pelagianism; the impact of science and historical criticism in thinkers such as Hume, Schleiermacher, and Feuerbach.

RELS 3310 CONTEMPORARY RELIGIOUS THOUGHT 3.0

Contemporary Religious Thought.

Topics such as religious existentialism, hermeneutics, liberation theology, fundamentalism, and feminist theology.

RELS 3400 INTRODUCTION TO JUDAISM 3.0

Introduction to Judaism.

Central practices and beliefs of the Jewish tradition; historical development of Judaism from its origins to the re-establishment 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.

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.

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 science-fiction) and religion, western appropriations of eastern traditions, and religion in the mass media.

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 African-American religion.

RELS 4220 THEORIES OF RELIGION 3.0

Theories of Religion.

Leading theoretical and philosophical approaches to the study of religion.

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 4250 AFRICAN-AMERICAN RELIGION 3.0

African-American Religion.

(Same as AAS 4250.)

Survey of the development of African-American 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.

(Same as Phil 6270.)

Multicultural exploration of the role of women and female divinities in diverse religious traditions; readings from ancient myths to contemporary feminist theology.

RELS 4280 RELIG DIMENSIONS OF HOLOCAUST 3.0

Religious Dimensions of the Holocaust.

Introduction to the experiences of Jewish and Christian communities during and after the Holocaust. Topics include: repression of Jewish worship under the Nazis; the response of Christian communities to Jewish persecution; Jewish and Christian post-Holocaust theologies; Holocaust memorials; varied individual responses to the Holocaust, from apostasy to increased religious devotion.

RELS 4300 METAPHYSICS 3.0

Metaphysics.

Prerequisite: one upper-level 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 JUDAISM IN THE MODERN WORLD 3.0

Judaism in the Modern World.

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 4480 ISLAMIC FUND & MODERN WORLD 3.0

Islamic Fundamentalism and the Modern World.

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.

Examination of selected topics in Judaism. May be repeated if topic varies.

RELS 4570 SPECIAL TOPICS IN ISLAM 3.0

Special Topics in Islam.

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 4610 HINDUISM 3.0

Hinduism.

(Same as Phil 4610.)

Introduction to Hindu religion and philosophy, with some consideration of Indian Buddhism, Jainism, Sikhism, Islam, and contemporary thought.

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 4630 COMPARATIVE STUDY OF MYSTICISM 3.0

Comparative Study of Mysticism.

(Same as Phil 4630.)

Theoretical and methodological investigation of mystical experiences and traditions.

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.

Comparative study of attitudes towards war and peace in major religious traditions. Topics may include the Christian just-war 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 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 4910 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 hours credit may be applied toward the major.

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 upper-level courses.

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 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 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.

Twenty-four 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 ten-week period to allow for understanding of pathophysiology and the assimilation of the knowledge to carry out skills required in emergent circumstances.

RT 4075 PROF PRACT OF RESP CARE 3.0

Professional Practice of Respiratory Care.

An analysis of the professional environment for the current practice of respiratory care. The role and function of the respiratory therapist in preventing and managing respiratory diseases is discussed. Topics and emphasis may vary.

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 REHAB & HOME CARE IN PULM 3.0

Rehabilitation and Home Care in Pulmonary Disease.

This course provides an overview of the concepts, procedures, and equipment utilized in the delivery of long-term care to persons with a chronic pulmonary disorder. The respiratory therapist's role in the continuity of care between the acute care facility and self-administered care in the patient's home is emphasized. The Durable Medical Equipment (D.M.E.) Company as a home-care provider of rehabilitation and long-term health care services is examined along with technology and procedural aspects of respiratory equipment in the home.

RT 4340 EXERCISE PHYSIOLOGY 3.0

Exercise Physiology.

Response and adaptation of cells and organ systems to the stress of increased exercise performed either voluntarily or in compensation for disease or debilitation. This course is also RT 6340.

RT 4440 CASE STUDIES PULM DIS 3.0

Case Studies in Pulmonary and Related Diseases.

A study of acute pulmonary diseases requiring critical care management and diseases of other systems compromising the pulmonary system. Disorders such as smoke inhalation, neurotrauma, sepsis, pulmonary aspiration, acute renal failure, acute myocardial ischemia, acute lung injury, and acute endocrine emergencies will be discussed using a case study approach.

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.

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.

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.

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.

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. CSP: 1, 2, 6, 7.

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 4530 EMPLOYEE BENEFIT PLANS 3.0

Employee Benefit Plans. (Same as Mgt 4580.)

Prerequisite: Mgt 3500. CSP: 1, 6, 7.

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; or consent of instructor. CSP: 1, 6, 7.

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.

The principal focus of this capstone course for the RMI major is the study of current problems and issues in risk management and insurance.

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 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 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 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.

SCULPTURE

SCUL 3000 SCULPTURE I 3.0

Sculpture I.

Prerequisite: Art 1040.

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.

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.

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, 3100, or 3200.

Special topics for studio art majors: technical workshops and specialized experiences or readings applicable to sculpture. May be repeated for a maximum of 8 credit hours.

SCUL 4500 DIRECTED STUDY IN SCULPTURE 4.0

Directed Study in Sculpture.

Prerequisite: Scul 4100 or consent of advisor.

Individual studio problems for advanced students. May be repeated for a maximum of 20 credit hours.

SCUL 4940 PORTFOLIO I 3.0

Portfolio I.

Prerequisite: Scul 4500.

Senior-year studio experience for B.F.A. degree candidates. Committee review.

SCUL 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite: Scul 4940 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 School director.

Independent studies initiated by the student.

May be repeated for a maximum of 8 credit hours.

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 ABUSE AND NEGLECT 3.0

Child Abuse and Neglect.

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 SOC WORK WITH THE AGING 3.0

Social Work with the Aging.

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 SOCIAL WORK IN SUB ABUSE 3.0

Social Work in Substance Abuse.

This course will provide students with an overview of the various classes of psychotropic drugs. Students will learn the physiological mechanisms of action of each of the major classes of drugs. They will learn how each drug affects mood and behavior, how each drug affects major organ systems in the body, and how genetic and social factors may predispose an individual to drug use.

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 ISSUES IN CHILD WELFARE 3.0

Issues in Child Welfare.

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 long-term health concerns in our society. The course will address such illnesses as AIDS, hepatitis, tuberculosis, Alzheimers, sexually-transmitted 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 unreachd 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 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.

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.

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.

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 AFRICAN-AMERICAN FAMILY 3.0

African-American Family.

(Same as AAS 3000.)

Contemporary theories and research on the African-American 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 RACIAL-ETHNIC GROUPS 3.0

American Racial-Ethnic Groups.

(Same as Anth 4450.)

The nature and implications of racial and cultural diversity in the United States, with emphasis on selected racial-ethnic 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, gender-based 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 post-industrial 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.

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 4110 AGING POLICY AND SERVICES 3.0

Aging Policy and Services.

Aging policy, services, and programs emphasizing legislation, funding, planning, the aging network, and the long-term care system.

SOCI 4116 AGING AND SOCIETY 3.0

Aging and Society.

(Same as WSt 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.

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 AFR-AM MALE/FEMALE RELATIONSHIPS 3.0

African American Male/Female Relationships.

(Same as AAS 4030 and WSt 4311.)

Explores historical, social, psychological, and economic factors impacting upon African-American relationships. Issues explored include negative images and stereotypes, color, beauty, and pornography; sex-gender 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.)

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.

Cross-analysis 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.)

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; third-wave 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 4910 GERONTOLOGY INTERNSHIP 1.0 to 6.0

Gerontology Internship.

Supervised practical training in an aging-related agency, organization, or program.

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.

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.

Prerequisites: Span 1001 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.

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.

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 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 .

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 Spanish-speaking 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 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 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 3.0

Advanced Grammar.

Prerequisite: Span 2203 or equivalent or consent of instructor.

Intensive review of grammatical structures and their application in written form. Not open to native speakers of Spanish.

SPAN 3305 ADV CONVERSATION & COMP 3.0

Advanced Conversation and Composition.

Prerequisite: Span 2203 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 or equivalent or 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 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 or equivalent or consent of instructor.

Historical and cultural aspects of Latin America from pre-Columbian times to the present.

SPAN 3313 SURVEY OF SPAN LITERATURE 3.0

Survey of Spanish Literature.

Prerequisite: Span 3307.

All genres from Medieval through the present.

SPAN 3315 SURVEY OF LAT AMER LIT 3.0

Survey of Latin American Literature.

Prerequisite: Span 3307.

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 Spanish-speaking 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.

Prerequisite: Four courses at the 3000 level, including 3303, or consent of instructor.

Introduction to all areas of Spanish linguistics: phonetics, phonology, morphology, syntax, historical linguistics, and dialectology.

SPAN 4405 SPAN FOR INTL BUSNSS I 3.0

Spanish for International Business I.

Prerequisite: Span 3303 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 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 equivalent or consent of instructor.

Expansion of vocabulary and introduction to comparative stylistics through translations (English-Spanish and Spanish-English) of both literary and nonliterary texts.

SPAN 4420 MED & EARLY REN SPAN LIT 3.0

Medieval and Early Renaissance Spanish Literature.

Prerequisite: Span 3307 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 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 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 or equivalent.

Development of drama from neoclassical theater through romantic, eclectic, and post-romantic drama of the Generation of 1898.

SPAN 4430 SPAN NOVEL OF 19TH CENT 3.0

Spanish Novel of the Nineteenth Century.

Prerequisite: Span 3307 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 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 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 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 or equivalent.

Readings of particular authors, genres, topics not covered by regular courses. May be taken more than once if topics different.

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, Span 4401, or consent of instructor.

Readings on particular topics and issues in Spanish Linguistics not covered by regular courses. May be repeated if topics vary.

SPAN 4452 TRADITNL LATIN AMER NOVEL 3.0

Traditional Latin American Novel.

Prerequisite: Span 3307 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 or equivalent.

The Latin American novel of the twentieth century to the present, including the "Boom" and "Post-Boom" periods.

SPAN 4456 LATIN AMER SHORT STORY 3.0

Latin American Short Story.

Prerequisite: Span 3307 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 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 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 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.

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 upper-level 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.

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 on-line resources for communication research.

SPCH 2510 DEBATE ACTIVITY 3.0

Debate Activity.

Prerequisite: consent of instructor.

Four and one-half hours lecture and laboratory a week.

Participation in all aspects of debating. May be repeated to 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, 1500, 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, 1500, 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.

Prerequisites: Spch 2050 and 2500.

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 3210 BUSINESS & PROFESSIONAL COMM 3.0

Business and Professional Communication.

Prerequisite: Spch 1500.

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, 1500, or consent of instructor.

A systematic approach to skills necessary for effective argumentative speeches: research, evidential burdens, argument briefing, organization.

SPCH 3550 ORAL TECH-GROUP DECISION MAKNG 3.0

Oral Techniques of Group Decision Making.

Prerequisite: Spch 1010, 1500, 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.

Theories, nature, basic behavioral aspects, and constraints of typical communication and language development across the lifespan.

SPCH 4410 COMMUNICATION DISORDERS 3.0

Communication Disorders.

Prerequisites: Spch 3000, 4400, EXC 4360.

Causes, incidence, assessment, and treatment of speech, language, and hearing disorders of children and adults.

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.

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.

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. Life-span 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 AFRICAN-AMERICAN RHETORIC 3.0

African-American Rhetoric.

(Same as AAS 3480.)

Survey of African-American contributions to public communication. Emphasis on Afrocentric and traditional approaches to rhetorical theory and criticism.

SPCH 4530 VOICES: AFRICAN-AMER FEMINISTS 3.0

Voices of African-American Feminists.

(Same as AAS 4530/WSt 4010.)

Overview of the rhetorical history of African-American female political and social activities.

SPCH 4540 MEDIATION & CONFLICT RESOLUTION 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, consent of the 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 on-campus 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.

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.

Paste-resist dyeing, mordant dyeing, and direct printing through the use of stencil. Modern and pre-modern dyes are explored on natural fiber.

TEXT 3200 WEAVING I 3.0

Weaving I.

Exploration of basic four-harness weaves (plain weave, twills, tapestry), warping, dressing loom, drafting, color and weave effects. Computer-aided design.

TEXT 3300 THREE DIMENSIONAL FIBER STRUCT 3.0

Three-dimensional Fiber Structures.

Three-dimensional 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 3.0

Selected Topics in Textiles.

Prerequisite: consent of instructor.

Special topics for studio art majors. May be repeated for a maximum of six credit hours.

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 or consent of instructor.

Twills, twill derivatives, satin, summer and winter, blocks, double cloth, color, and weave effects using eight-harness loom. Computer-aided design.

TEXT 4300 HEAT TRANSFER PRINTING 4.0

Heat Transfer Printing: Three-Dimensional Patterning on Synthetic Fabrics.

Thermal printing technology and its application on synthetic fiber in three-dimensional patterning and contemporary surface design. Design portfolio development, product design, and large-scale art fabric.

TEXT 4500 DIRECTED STUDY: TEXTILE DESIGN 4.0

Directed Study in Textile Design.

Prerequisites: Text 3000 and 3100 and 3200 or 3300; 4100 or 4200; 4300, 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 a maximum of 8 credit hours while preparing senior portfolio.

TEXT 4600 DIGITAL TEXTILE DESIGN 4.0

Digital Textile Design.

Prerequisites: Text 3100 or consent of instructor.

CAD (Mac-based) digital textile design and printing on wide format printer. Repeat design printing on fabric and post-print treatment. Design portfolio development and large-scale art fabric. This course may be repeated for a maximum of 8 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.

Supervised internship experience in a professional design studio or textile manufacturing center. This course must be requested one quarter in advance.

TEXT 4940 PORTFOLIO I 3.0

Portfolio I.

Prerequisite: Text 4500.

Senior-year studio experience for B.F.A. candidates. Committee review.

TEXT 4950 PORTFOLIO II 3.0

Portfolio II.

Prerequisite: Text 4940 or concurrently.

Culminating studio experience for B.F.A. candidates. Committee review.

TEXT 4980 SPECIAL PROBLEMS 4.0

Special Problems.

Prerequisites: consent of instructor.

Independent in-depth research and studio experience initiated by the student.

THEATRE

THEA 1010 THEATRICAL DESIGN & PRODUCTION 4.0

Theatrical Design and Production.

Corequisite: Thea 2000.

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 (or corequisite): Thea 1010.

Theatre majors must repeat three times. Acting role or technical theatre assignment on a University Theatre or GSU Players production.

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 3.0

Lighting Design for Theatre, Film, and Television.

(Same as Film 3000/Jour 3000.)

Prerequisite for theatre majors: Thea 1010.

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 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.

(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-TECHNICAL THEATRE 1.0 to 3.0

Directed Activities in Technical Theatre.

Prerequisites: Thea 1010 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 NON-WESTERN 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 AFRICAN-AMERICAN THEATRE 3.0

African-American Theatre.

(Same as AAS 4650.)

Examination of the history and contributions of African-Americans 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.

Advanced acting technique in selected acting styles.

THEA 4310 ADVANCED PLAYWRITING 3.0

Advanced Playwriting.

Prerequisite: Thea 4300.

Continuation of study and practice of dramatic writing for the stage. Students will learn full-length dramatic structure, play development, and will write one full-length 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.

Major twentieth-century 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, nine hours of major credit, or consent of instructor.

Theory and analysis for directing theatrical productions, including practical exercises and directing a one-act 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, consent of the instructor and 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.

(Same as WSt 4170.)

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: Thea 4210 or 4310.

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.

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 AFRICAN-AMERICAN FAMILY 3.0

African-American Family.

(Same as Soci 3162 and AAS 3000.)

Contemporary theories and research of the African-American family.

WST 3010 FEMINISMS 3.0

Feminisms.

Critical examination of various feminist movements-activists, ideas, organizational resources and strategies - historically and globally.

WST 3020 RACE, SEX, & THE ECONOMY 3.0

Race, Sex, and the Economy.

(Same as Econ 3020.)

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.

WST 3080 HIST OF AFR-AMER PHILOSOPHY 3.0

History of African-American Philosophy.

(Same as AAS 3080 and Phil 3080.)

Analysis of selected figures, such as W. E. B. DuBois, Frederick Douglass, Martin Luther King, Jr., Alain Locke, and Angela Davis.

WST 3120 FAMILIES AND SOCIETY 3.0

Families and Society.

(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.

(Same as Soci 3216.)

Social construction of gender, gender-based stratification, and power dynamics.

WST 3140 BIRTH AND PARENTHOOD 3.0

Birth and Parenthood.

(Same as Soci 3152.)

Pregnancy, birth, and parenting; fatherhood and motherhood in a social and historical context.

WST 3145 FEMINIST RHETORICS OF TECHNLOGY 3.0

Feminist Rhetorics of Technology.

(Same as Engl 3145.)

Introduces feminist rhetorical approaches to science and technology and activist technological practices.

WST 3150 SEXUALITY AND SOCIETY 3.0

Sexuality and Society.

(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 3212 RACE AND ETHNIC RELATIONS 3.0

Race and Ethnic Relations.

(Same as Soci 3212.)

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.

WST 3356 SEXUAL IDENTITY 3.0

Sexual Identity.

(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 AFR-AMER LITERATURE BY WOMEN 3.0

African-American Literature by Women.

(Same as AAS 3960 and Engl 3960.)

A survey of literature from the eighteenth century to the present. Includes such authors as Wilson, Wheatley, Larson, Hurston, Dove, Hansberry and Morrison.

WST 3980 WOMEN'S LITERATURE I 3.0

Women's Literature I.

(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.

(Same as Engl 3990.)

Selected works by women writers after 1800. Multicultural and inclusive in scope. May include such writers as Mary Shelley, the Brontks, Dickinson, Cather, Woolf, Emecheta, Hurston, Morrison, and Esquivel.

WST 3995 FEMINIST LITERARY CRITICISM 3.0

Feminist Literary Criticism.

(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 4010 VOICES AFRICAN-AMER FEMINISTS 3.0

Voices of African-American Feminists.

(Same as AAS 4530 and Spch 4530.)

Overview of the rhetorical history of African-American female political and social activists.

WST 4020 GENDER IN CRIMINAL JUSTICE 3.0

Gender in Criminal Justice.

(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 4030 WOMEN AND POLITICS 3.0

Women and Politics.

(Same as PolS 4167.)

Analysis of the interaction between gender roles and the political system, with emphasis on political socialization, participation, recruitment, and policy making.

WST 4060 SEXUAL AND INTIMATE VIOLENCE 3.0

Sexual and Intimate Violence.

(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 4110 AFRICAN-AMER FEMALE ACTIVISM 3.0

African-American Female Activism.

(Same as AAS 4080.)

Overview of African-American women's resistance to racial oppression and gender inequality.

WST 4116 AGING AND SOCIETY 3.0

Aging and Society.

(Same as Soci 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.

(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.

(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 4170 GENDER AND PERFORMANCE 3.0

Gender and Performance.

(Same as Thea 4930.)

Gender as a factor in the history, theory, criticism, and creation of all forms of live performance, from ritual to theatre.

WST 4210 WOMEN IN CROSS-CULTURAL PERSP 3.0

Women in Cross-Cultural Perspective.

Prerequisite: Anth 2020 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.

(Same as Anth 4320 and Soci 4315.)

Three lecture hours a week. 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; third-wave feminism; and girls' movements.

WST 4311 AFR-AMER MALE/FEMALE RELTNSHPS 3.0

African-American Male/Female Relationships.

(Same as AAS 4030 and Soci 4311.)

Explores historical, social, psychological, and economic factors affecting African-American relationships. Issues include negative images and stereotypes, color, beauty and pornography, sex-gender and role identity, consumerism and narcissism, and employment.

WST 4312 AFRICAN-AMER WOMEN IN THE US 3.0

African-American Women in the U.S.

(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 4360 PHIL PERSPECTIVES ON WOMEN 3.0

Philosophical Perspectives on Women.

(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 anti-feminist perspectives.

WST 4370 WOMEN AND RELIGION 3.0

Women and Religion.

(Same as RelS 4370.)

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.

(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 AFRICAN-AMERICAN WOMEN 4.0

African-American Women.

(Same as AAS 4660, Hist 4260.)

African history and culture, the coming of Africans to the Americas, and the development of African-American culture.

WST 4470 VISUAL CULTURE 4.0

Visual Culture.

(Same as Anth 4470/6470.)

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 4500 ANTHROPOLOGY OF AGING 3.0

Anthropology of Aging.

Prerequisite: Anth 1102, 2020, or consent of instructor.

(Same as Anth 4500/6500.)

Anthropological approach to the aging process in western and nonwestern societies.

WST 4510 FEMINIST POLITICAL THEORY 3.0

Feminist Political Theory.

(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 4585 POLITICS OF RACE/CLASS/GENDER 3.0

Theorizing the Politics of Race, Class, and Gender.

(Same as PolS 4585.)

Political questions concerning race, gender, and class inequalities affect almost every political system in the contemporary world. This course is designed to introduce and/or further students' understanding of political and social theory which addresses the persistence of social hierarchies. The course will examine theories on the social construction of race and gender, post-colonial theory, and revisions to classic Marxist theories of social class.

WST 4620 PSYCHOLOGY OF WOMEN 3.0

Psychology of Women.

Prerequisite: Psyc 1101 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.

(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 4750 BLACK FEMINIST THOUGHT 3.0

Black Feminist Thought.

Prerequisites: WSt 2010 or consent of instructor.

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 4.0

Activism: History and Theory.

theoretical and historical perspectives on activism, focusing on how various types of activism are intertwined, the emergence of second-wave feminism within the context of civil rights and anti-war 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.

(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 pre-colonial period to the contemporary era.

Prerequisite: consent of instructor.

Opportunity to combine academic study with practical experience in an organizational setting specializing in attention to women's or gender-related issues. A paper and a journal are required.

WST 4780 AFR-AMER LESB & GAY ACTIVISM 3.0

African-American Lesbian and Gay Activism.

(Same as AAS 4780.)

Examines the speeches, writings, and other public communication of African- American 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 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.

WST 4880 HONORS THESIS: WRITING 1.0 to 6.0

Honors Thesis: Writing.

Prerequisites: WSt 4870, consent of the instructor and Honors Program director.

Writing or production of honors thesis or project.

WST 4910 SPECIAL TOPICS 3.0

Special Topics.

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.

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.

Opportunity to do advanced work on a chosen topic. May be repeated to a maximum of six hours.

WST 4950 INTERNSHIP 3.0

Internship.

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 comprehensive and special purpose universities, two regional universities, 13 state universities and senior colleges, and 15 two-year colleges. These 34 public institutions are located throughout the state.

A 16-member constitutional Board of Regents governs the University System, which has been in operation since 1932. Appointments of board members, five from the state-at-large and one from each of the state's eleven 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 nondegree activities, primarily, and special types of college degree credit courses. The nondegree 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 Comprehensive and Special Purpose Universities

Athens	University of Georgia
Atlanta	Georgia Institute of Technology
	Georgia State University
Augusta	Medical College of Georgia

State and Regional Universities

Albany	Albany State University
Americus	Georgia Southwestern State University
Augusta	Augusta State University
Carrollton	State 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 College and State University
Savannah	Armstrong Atlantic State University
	Savannah State University
Statesboro	Georgia Southern University
Valdosta	Valdosta State University

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
Dalton	Dalton State College
Decatur	Georgia Perimeter College

Douglas	South Georgia College
Gainesville	Gainesville College
Macon	Macon College
Rome	Floyd 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

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William H. Cleveland, Atlanta	State-at-Large	2001-2009
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J. Timothy Shelnut, Augusta	Tenth District	2000-2007
Joe Frank Harris, Cartersville	Eleventh District	1999-2006
Glenn S. White, Lawrenceville	Eleventh District	1998-2005

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Kathleen Burk, Assistant Vice Chancellor—Academic Affairs/
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William Wallace, Associate Vice Chancellor—Human Resources
Sherea Timmons, Director of Human Resources

10,030 Georgia State University Administration

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Nancy E. Peterman, B.A., Vice President for Development
Thomas C. Lewis, B.S., Vice President for External Affairs
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Timothy J. Woltering, M.S., Director of the Student Advisement Center

Correspondence to the university's administrators may be addressed: Name, Position, Georgia State University, Atlanta, Georgia 30303-3083.

10,040 Faculty

Abney, Francis G., Ph.D. (Tulane University), Professor of Political Science, Chair of the Department of Political Science and member of the faculty of the Department of Public Administration and Urban Studies
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Akinyela, Makungu, Ph.D. (Emory University), Assistant Professor of African-American Studies
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Albers, Margaret M., Ph.D. (Indiana University), Associate Professor of Middle-Secondary Education and Instructional Technology
Alberto, Paul A., Ph.D. (Georgia State University), Research Professor of Educational Psychology and Special Education
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- Baez, Benjamin, Ph.D. (Syracuse University), Associate Professor of Educational Policy Studies
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Welcome 1

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://monarch.gsu.edu/mapdown.htm>