

Presbyterian College

2012-2013 Catalog

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Campus Visits

Visitors are always welcome at Presbyterian College. The Admissions office is open for appointments Monday through Friday from 9:00 a.m. to 4:30 p.m. Members of the staff are available for interviews if appointments are made in advance.

Telephone: (864) 833-2820
or toll-free: 1-800-960-7583
Email: admissions@presby.edu
www.presby.edu

Communication Directory

To facilitate prompt attention, inquiries should be addressed as indicated below:

General Information.....	President
Admissions	Director of Admissions
Alumni Interests	Executive Director for Alumni Relations
Athletics	Director of Athletics
Business Matters	Executive Vice President for Finance
Curriculum	Provost
Senior Employment	Director of Career Services and Internships
Financial Aid	Director of Financial Aid
Gifts and Bequests	Vice President of Advancement
Housing.....	Dean of Campus Life
Study Abroad.....	Director of International Programs
Public Relations	Vice President for Enrollment and Communications
Summer School	Provost
Transcripts.....	Registrar/Director of Records

Accreditation

Presbyterian College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097; Telephone number 404-679-4501) to award Baccalaureate and Doctoral degrees. The college is also accredited by the National Council for the Accreditation of Teacher Education.

Policies Disclaimer

The course offerings, regulations, fees, and other materials appearing in this catalog are announcements. Nothing contained herein is to be construed as representing contractual obligations of Presbyterian College, which reserves the right to change its courses of instruction, fees, charges for room and board, and general academic regulations without notice, should circumstances warrant in the judgment of the College. Courses listed in this catalog may not be offered every year. An official list of courses to be offered will be published by the Registrar before the beginning of each term.

Presbyterian College is an Equal Opportunity Employer. The College does not discriminate against student applicants on the basis of culture, ethnicity, race, sexual orientation, gender, age, national origin, socio-economic background, or physical ability.

The PC Experience

Presbyterian College is a fully accredited, private, residential, baccalaureate institution related to the Presbyterian Church (USA). The College provides a liberal arts education within a community of faith, learning, and intellectual freedom.

In 1880, William Plumer Jacobs, pastor of Clinton's First Presbyterian Church who had earlier established Thornwell Orphanage, founded Presbyterian College primarily to provide education at a higher level for the orphans. For many years predominantly an institution for the education of men, Presbyterian College became fully coeducational in 1965.

While the student body typically represents more than 25 states and several countries, most of the students traditionally come from the Southeastern United States. Presbyterian College sustains a Christian heritage of integrity and service not only by striving for academic excellence but also by a comprehensive honor code, wide-ranging opportunities for volunteer service, and close attention to the needs of each student. The College grants B.A., B.S., and Pharm.D. degrees.

MISSION

The compelling purpose of Presbyterian College, as a church-related college, is to develop within the framework of Christian faith the mental, physical, moral, and spiritual capacities of each student in preparation for a lifetime of personal and vocational fulfillment and responsible contribution to our democratic society and the world community.

Goals That Guide the College in Fulfilling Its Mission:

- To help students gain a basic knowledge of humanities, natural sciences, and social sciences; a special competence in one or more particular areas of study; and an ability to see these studies as part of the larger search for truth.
- To develop in students the ability to think clearly and independently, to make critical judgments, and to communicate effectively in both speech and writing.
- To foster in students an aesthetic appreciation of the arts and literature.
- To acquaint students with the teachings and values of the Christian faith.
- To help students develop moral and ethical commitments including service to others.
- To help students attain a sense of dignity, self-worth, and appreciation of other persons of diverse backgrounds.
- To encourage in students an appreciation for teamwork and for physical fitness and athletic skills that will contribute to lifelong health.
- To foster in students an appreciation of, and concern for, the environment and natural resources.

HONOR

Committed to the rigorous pursuit of liberal learning and the teachings of the Christian faith, the Presbyterian College community is dedicated to integrity in the pursuit of truth and honor in the building of community. As members of this community, we share a common commitment to maintaining the high standards of honesty and honorable conduct required for this pursuit.

Since 1915, our commitment has been realized in our agreement to live under the Honor Code of the College. As this Code is student maintained, our agreement contains two parts: first, that we personally adopt the standards of conduct as stated in the Honor Code; and second, that we deal responsibly with those of our peers who fail to do so. By holding one another accountable to this commitment, we ensure the integrity of our academic program and community.

Our acceptance of this commitment allows us to enjoy an atmosphere of mutual trust and respect among students, faculty, and administration. The academic and social advantages therein are many: as students, we are trusted to work independently; exams may be taken free of supervision; computer labs are available twenty-four hours a day; personal property is generally safe on campus; and one's word may be considered trustworthy, both on and off campus. It is our shared interest in preserving this atmosphere that motivates our commitment to the Honor Code.

However, privilege requires responsibility. We at Presbyterian College are responsible for knowing the purpose, design, and procedures of our Honor Code and are required to exhibit honorable conduct in all areas of life: social as well as academic, off campus as well as on. It is solely through the consistency of this commitment that we may both

trust and be trusted, respect and be respected, regardless of place or circumstance. Therefore, each of us is expected to maintain the integrity of that commitment at all times.

When we join the Presbyterian College community, we sign the Roll of Honor and formally enroll under the pledge:

“On my honor, I will abstain from all deceit. I will neither give nor receive unacknowledged aid in my academic work, nor will I permit such action by any member of this community. I will respect the persons and property of the community and will not condone discourteous or dishonest treatment of these by my peers. In my every act, I will seek to maintain a high standard of honesty and truthfulness for myself and for the College.”

The Honor Code

Presbyterian College students pledge to abstain from all deceit and dishonorable conduct. Though many acts may at times be considered deceitful or dishonorable, students at Presbyterian College agree that lying, cheating, plagiarism, stealing, and failure to enforce the Honor Code are by definition dishonorable and are, therefore, always in violation of the Honor Code.

Honor Code Violations

- **Lying** is defined as any attempt to deceive, falsify, or misrepresent the truth.
- **Cheating** is defined as the employment of or rendering of any unacknowledged or unallowed aid in any assigned work.
- **Plagiarism** is defined as the presentation of the words or ideas of another person as one's own.
- **Stealing** is defined as the appropriation of money or property belonging to another person, organization, or the College or the borrowing of such property without the knowledge and permission of the owner.
- **Failure to enforce the Honor Code** is defined as any act of omission that permits violations of the Honor Code to occur or to go unreported.

All students enrolling at Presbyterian College are bound not only to abstain from the above, but also to report such acts committed by fellow students. When events of a questionable nature occur, it is the responsibility of each student to promptly communicate that information to the Honor Council. Determining whether or not a violation of the Honor Code has occurred is the responsibility of the Honor Council. Failing to report such events amounts to the toleration of dishonor in the community and shall itself be considered a violation of the Honor Code.

Students' obligation to the Honor Code is not confined to the boundaries of the College campus but extends to conduct in the larger community. All student conduct, whether on or off campus, shall be subject to the Honor Code.

Pledged Work

All academic work at Presbyterian College falls under the Honor Code. Quizzes, tests, examinations, projects, and papers to be graded are governed by and should be accompanied by the pledge:

“On my honor, I pledge that I have neither given nor received any unacknowledged aid on this assignment.”

followed by an act of student acknowledgement, usually a signature. Unacknowledged aid includes aid that is not allowed by the instructor.

Honor Code Penalties

The normal penalty for a first violation of the Honor Code is immediate suspension for the remainder of the current semester and for one additional semester. The student will be ineligible to earn academic credit for the equivalent of two full academic semesters no matter when the violation took place. If the violation involves cheating, plagiarism, or lying to gain academic advantage in a course, a grade of “F” will be imposed in that course and withdrawals will be assigned in all other courses.

The Honor Council may deviate from the standard penalties, but only for specific reasons. The normal penalty for a second violation of the Honor Code is immediate and permanent expulsion from the College.

For additional information, please see *The Blue Book*.

DIVERSITY

Presbyterian College's commitment to diversity and inclusivity is grounded in our College's Mission Statement and extends to the entire Presbyterian College community.

The College seeks to foster mutual respect and understanding among and for all people of different cultures, ethnicities, races, religions, sexual orientations, genders, ages, national origins, socio-economic backgrounds, and physical abilities.

We strive to enrich our community by attracting, supporting, and retaining students, faculty, and staff from a diversity of backgrounds and perspectives who bring a variety of talents, passions, and world views.

We believe Presbyterian College should be a place where those who live, work, and study see difference as an opportunity and stimulus to learn about themselves, each other, and the larger world.

We are committed to assisting students in developing humane instincts and disciplined and creative minds for lives of leadership and service.

We are intentional about deepening our knowledge, awareness, and understanding for all people, and we seek to develop skills to interact constructively across our differences.

We are compelled to act to make our community and the world more socially just because we recognize the dignity and worth of every person.

Admissions

The Presbyterian College campus is home to students who are willing to challenge themselves to be the best, who have demonstrated academic and leadership potential, and who have displayed drive and initiative both inside and outside the classroom.

The College's Admissions Office seeks students who can benefit from – and contribute to – Presbyterian College. The majority of incoming freshmen rank in the top quarter of their high school classes and have participated in activities ranging from athletics to music to volunteer service to student government.

Presbyterian College seeks students who demand the best from themselves, from those around them, and from their learning environment.

Requirements for Admission

Presbyterian College admits students based on their academic and personal qualifications. Admission decisions are made after careful review of the application, high school transcript, class rank, scores from the Scholastic Assessment Test (SAT) or the American College Testing Program (ACT), and writing ability. An interview is preferred, a recommendation from a high school official is encouraged, and interested students are urged to visit the campus. The College does not discriminate against applicants or students on the basis of culture, ethnicity, race, religion, sexual orientation, gender, age, national origin, socio-economic background, or physical ability. PC reserves the right to refuse the original application or the re-admission for any semester of any student who, in the opinion of the Admissions Committee, does not fit into the scholastic or social life of the campus. Presbyterian College adheres to the National Association for College Admission Counseling's Statements of Principles of Good Practice and the Statement of Students' Rights and Responsibilities.

Admission policies are established by the Board of Trustees.

Application and Notification Dates

	Application Deadline	Notification Date	Commitment Date
Early Decision *	November 1	December 1	January 15
Early Action ** (Deadline to be considered for Quattlebaum, Founders Scholarships, and the Chinese Language program.)	November 15	December 15	May 1
Regular Decision (Deadline to be considered for all other academic, music, ROTC, and leadership scholarships.)	February 1	March 15	May 1

* *Early Decision is for students whose first choice of college is PC. If accepted, applicant must withdraw any applications from other institutions and commit to attend PC by paying a non-refundable \$400 advance deposit by January 15.*

** *Early Action is for students who have PC as one of their top college choices. This option allows students to receive an admission decision early without the obligation to commit early. A non-refundable \$400 advance deposit will be due by May 1.*

Admission from High School

The College ordinarily requires for entrance the completion of a four-year high school course of study, including four units of college preparatory English, four units of mathematics (including Algebra I, Algebra II, and geometry), and two or more units each of a foreign language, laboratory science, history, and social science. Applicants are strongly encouraged to take honors, Advanced Placement, and International Baccalaureate courses whenever possible.

Early Decision

An early decision plan is available for prospective students who have decided that Presbyterian College is their college choice. Students interested in the early decision option must submit all regular admission materials no later than November 1 of their senior year. Early decision applicants will receive notification by December 1. Early decision candidates applying for financial assistance also must submit a Presbyterian College financial aid information form.

Early decision students offered admission must submit a \$400 nonrefundable deposit by January 15 and must withdraw any applications submitted to other institutions.

Transfer Students

Transfer students are admitted based on the academic record of all colleges or universities which a student has attended, their high school record, and scores from the SAT or ACT.

Students from regionally accredited four-year institutions or junior colleges may be considered for admission provided they have a minimum overall 2.50 grade point average (GPA) in college work completed and, at the time of registration at PC, they are eligible to re-enroll in the institution last attended.

All transfer applicants must submit transcripts from all colleges or universities attended, their high school transcript, SAT or ACT scores, and a statement of good standing from the institution last attended as a full-time student.

Transfer students will be granted appropriate credit for courses that correspond to or are the equivalent of courses offered by Presbyterian College and that have been satisfactorily completed. Courses that do not correspond to courses offered by PC may be accepted as "free electives" with the approval of the Provost up to a maximum of 24 semester hours credit toward graduation requirements.

All transfer credits are tentative and dependent on satisfactory work at PC. The maximum number of semester hours that can be transferred from a two-year college is 68. Transfer students must complete general education requirements for the year in which they enter.

Special Students

Students who are not candidates for a PC degree may, upon approval of the Dean of Enrollment Management, be admitted to such classes as they may be prepared to take and shall be officially classified as "special students." Students admitted as special students can change to regular student status only by submitting a new application requesting such a change to the Office of Admissions.

Deposit

Admitted freshmen and transfer students are asked to confirm their intention to enroll by submitting a \$400 non-refundable deposit.

Matriculation Pledge

Each student must sign this matriculation pledge upon enrollment:

"On my honor, I will abstain from all deceit. I will neither give nor receive unacknowledged aid in my academic work, nor will I permit such action by any member of this community. I will respect the persons and property of the community and will not condone discourteous or dishonest treatment of these by my peers. In my every act, I will seek to maintain a high standard of honesty and truthfulness for myself and for the College."

Advanced Placement

Entering students who wish to receive advance placement (AP) credit at Presbyterian College may do so by completing an AP course in high school and earning a minimum score on that examination by the College Board. The minimum score requirements are shown on the chart below. Students seeking AP credit should have transcripts sent to the Admissions Office directly from the College Board.

Advanced Placement (AP) Credit			
Subject	Minimum Score	PC Equivalent	Hours Awarded
Biology	4	BIOL 105-105L and 106-106L or BIOL 112-112L	8
Chemistry	4 4*	CHEM 101-101L CHEM 102-102L	4 4
<i>* plus 70 on departmental exam</i>			
Computer Science	3 5	CSC 241 CSC 241 and 242	4 8
Environmental Science	4	BIOL 215	3
Economics: Macroeconomics	4	ECON 201	3
Economics: Microeconomics	4	ECON 202	3
English Language/ Composition	3 4	ENGL 109 ENGL 110	3 3
English Literature/Composition	3 4	ENGL 109 ENGL 110 and 111	3 6
Geography, Human	3	GEOG 301	3
History: European	4	HIST 2401	3
History: United States	4 5	HIST 2200 or 2201 HIST 2200 and 2201	3 6
History: World History	4 5	HIST 1100 or 1101 HIST 1100 and 1101	3 6
Foreign Language: French German, Latin, Portuguese, or Spanish	3 4 5	102 (except Latin) 102 and 201 102, 201, and 202	4 7 10
<i>Foreign Language Credit Awarded for either Language or Literature test</i>			
Mathematics: Calculus AB	3 5	MATH 201 MATH 201 and 202*	3 6
Mathematics: Calculus BC	3 5	MATH 201 and 202 MATH 201, 202 and 301*	6 9
<i>*Subject to consultation with Mathematics Department</i>			
Music, Listen: Literature	4	MUSC 102	3
Music: Theory	4	MUSC 103	3
Physics: B	4	PHYS 121-121L and 122-122L	8
Physics: C (Mechanics)	4	PHYS 121-121L or 214-214L	4
Physics: C (Electricity And Magnetism)	4	PHYS 122-122L or 215-215L	4
Political Science	3	PLSC 202	3
Psychology	3	PSYC 201	3
Statistics	4	MATH 210, STAT 319, or STAT 320	3-4

College Level Examinations Program

Entering students who wish to receive credit by examination at Presbyterian College may do so by completing the test through a College Level Examination Program (CLEP) test center. The minimum score requirements are shown on the chart below. Students seeking CLEP credit should have transcripts sent to the Admissions Office.

College Level Examination Program (CLEP) Credit			
Subject	Minimum Score	PC Equivalent	Hours Awarded
American Government	50	PLSC 202	3
Economics: Macroeconomics	50	ECON 201	3
Economics: Microeconomics	50	ECON 202	3
Freshman College Composition	50	ENGL 109	3
English Composition with Essay	50	ENGL 109	3
Mathematics: Calculus	55	MATH 201	3
Mathematics: Trigonometry	55	MATH 196	3

International Baccalaureate

Presbyterian College will award academic credit to students who have earned grades of five or better in their higher-level subjects in the International Baccalaureate (IB) Diploma Program. The minimum requirements are shown on the chart below. Students seeking IB credit should have transcripts sent to the Admissions Office from the IB program.

Subject	International Baccalaureate (IB) Credit		Hours Awarded
	Minimum Score	PC Equivalent	
Biology	5	BIOL 105-105L and 106-106L	8
Chemistry	5	CHEM 101-101L and 102-102L	8
Computer Science	5	CSC 241 and 242	8
English, A1	5	ENGL 110 and 111	6
English, A2	5	ENGL Elective	2
German, A1	5	GERM 101 and 102	8
History: European	5	HIST 1100	3
History: World	5	HIST 1101	3
Physics	5	PHYS 121-121L and 122-122L	8
	6	PHYS 214-214L and 215-215L	8
Psychology	5	PSYC 201	3

Scholarships and Student Aid

The cost of a college education is a major expense item in most family budgets. Presbyterian College recognizes this reality with a financial aid program designed to help those qualified students who need assistance in attending school.

Parents are expected to make a maximum effort toward underwriting the cost. Beyond this point, the College offers a variety of scholarships, grants-in-aid, work opportunities, and loan funds to help defray expenses. The applicant is also advised to investigate outside sources of aid, (i.e. from churches, civic groups, businesses, etc.).

To help assess the need of each student, PC requires the Free Application for Federal Student Aid (FAFSA). This application makes a standard evaluation of family financial resources and recommends the amount of aid needed, and the Federal government approves this approach for the numerous student aid programs it is now financing on college campuses. Apply online at www.fafsa.ed.gov.

Annual review of the recipient's financial need requires submission of the FAFSA each spring. The priority deadline for receipt of the aid application in the Financial Aid Office is March 1.

A candidate for a scholarship or other financial aid must be accepted for admission to PC to be eligible for consideration.

PC reserves the right to amend or adjust an award should a student receive additional aid from any source, including scholarship, loan, or work on or off campus. Awards may be underwritten by funds from any source.

Satisfactory Academic Progress

To be eligible for federally funded financial aid programs all student financial aid recipients must initially and continually meet satisfactory academic progress (SAP). The Presbyterian College standards of SAP measure a student's academic performance both qualitatively and quantitatively by reviewing the following three areas of performance; completion rate for coursework enrolled, cumulative grade point average earned, and the maximum time frame to complete a degree. The Financial Aid Office is responsible for ensuring that all students receiving financial aid are meeting these minimum standards. The standards of SAP apply for all federal, state and College funded financial assistance programs.

Frequency and Interval of Review

Satisfactory academic progress will be reviewed prior to the awarding of any federal financial aid, institutional awards and foundation scholarships. It will also be reviewed and monitored at the end of fall, spring and summer terms, and prior to the disbursement of aid for the following semester.

Maintaining Qualitative and Quantitative Eligibility

The following requirements are for all federal financial aid programs. Students are considered to be making Satisfactory Academic Progress and will be eligible for federal financial aid at PC as long as all three of the following requirements are met at the end of each semester.

- **Completion Rate (67 Percent Pace Rule):** Students must, at a minimum, receive a satisfactory grade in the courses attempted by completing 67 percent of the credits for which they enrolled. This calculation is performed by dividing the number of credits earned by the credits attempted. Credit hours attempted are generally based on the student's enrollment on the financial aid census date. Withdrawals, audits, and grades of F, I, or U are not considered successful completions for federal financial aid purposes.

- **Cumulative Grade Point Average:**

Hours Attempted	Academic Program Level
0 - 48 hours	Below 1.75 GPA
49 or more hours	Below 2.00 GPA

- **Maximum Time Frame:** Students who have completed a degree or certificate will be considered to have reached maximum time frame. Students must complete a degree or certificate program in no more than 150 percent of the average length of their program. Time frame limitations include all credits pursued, earned, dropped, repeated, and failed. All applicable transfer hours accepted by PC count as hours attempted as well as hours earned. All of these credit hours are counted regardless if the student did or did not receive financial aid. Students pursuing additional degrees are likely to reach maximum time frame. The maximum time frame may be adjusted upon receipt of an appeal.

Program Type Total Credit Hours Required Maximum Attempted Hours Allowed for Aid Eligibility

Program Type	Maximum Years/Semesters	Maximum Attempted Hours
Bachelors	6 years / 12 semesters	180
Pharmacy	5 years / 10 semesters	174

Other Factors

- **Audits:** Classes taken for audit will not be considered when determining semester award amounts or minimum semester credits completed. Classes taken for audit will not be considered as attempted credits toward the maximum time frame for completion.
- **Repeated Coursework:** To count toward enrollment status for financial aid purposes, a previously passed course may be repeated once. A failed course may be repeated until passed.

Warning, Probation and Loss of Eligibility Status

Financial aid probation and loss of eligibility apply only to a student's status for purposes of financial aid eligibility at PC. This does not become part of the student's permanent record and is not transferable to other institutions. Please be aware, financial aid status may differ from academic status.

- **Warning:** Students who do not complete the minimum number of credits or who do not possess a satisfactory grade point average will be placed on warning status for their next semester of enrollment. A student remains eligible to receive financial aid while on warning status. If both the minimum number of credits and cumulative GPA requirement are met at the end of the warning term, the student will be removed from warning.
- **Probation:** If a student does not meet SAP requirements, an appeal for reinstatement of aid may be completed. Students who have an approved appeal will have financial aid reinstated on a probationary status.
- **Loss of Eligibility:** A student will lose federal financial aid eligibility if the requirements for maintaining eligibility are not met during the warning or probationary semester. Students who have reached or exceeded the maximum time frame for completion will be placed on immediate loss of eligibility status.

Reinstatement of Eligibility

Completion of Credit and Cumulative GPA

Students may appeal federal financial aid suspension for any of the following reasons: personal injury, illness, death of a family member or special circumstances. To appeal for any of the above situations, students must submit a complete appeal packet. The packet includes 1) a written statement indicating what circumstance prevented the student from meeting the standards and what steps the student plans to take to ensure future success; 2) a program evaluation signed by the students current academic advisor; 3) a PC Satisfactory Academic Progress Appeal form. Appeal forms are available in the PC Financial Aid Office or in the financial aid section on the PC website, www.presby.edu.

If the appeal is approved the student will be reinstated on probationary status. Financial aid awards will be based on funds available at the time of reinstatement. Reinstatement will be effective for the current term or next term of enrollment as determined by the Financial Aid Appeals Committee. Reinstatement of aid will not be effective retroactively for an already completed term.

Maximum Time Frame

Students are allowed one appeal for maximum time frame. To appeal a student must submit a complete appeal packet. The packet includes 1) a written statement indicating why the student should be allowed to exceed maximum time frame; 2) a program evaluation signed by the student's current advisor; 3) a PC Petition for Maximum Time Form signed by the student's current academic advisor. Appeal forms are available in the PC Financial Aid Office or in the financial aid section on the PC website, www.presby.edu.

If the appeal is approved the student will be reinstated on a probationary status. Students must also meet the completion rate and cumulative GPA requirements. Financial aid awards will be based on funds available at the time of reinstatement.

Policy on Recalculation of Hours

If a student drops hours after the drop/add period, no adjustment is made to the charges or the aid for that semester.

Policy on Refunds if the Student Withdraws

If a student withdraws from all classes during the first 60 percent period of the semester, all aid that is not earned will be returned to the aid program involved. Refunds will be calculated on a per-diem basis tied to the semester calendar. Students who withdraw during the final 40 percent period of the semester will receive no refunds and no adjustment to charges will be made. Aid will be returned in the following order:

1. Federal Direct Student Loan – Unsubsidized
2. Federal Direct Student Loan – Subsidized
3. Perkins Loan
4. PLUS Loan
5. Pell Grant
6. Supplemental Educational Opportunity Grant
7. TEACH Grant
8. State Funds
9. Presbyterian College Grants and Scholarships
10. Private Scholarships

A revised aid award letter will be sent to the student listing the aid that was retained by the student. The Business Office will recalculate the charges and refund any overpayment to the student or parent.

Students who plan to withdraw must notify the Office of the Provost of their intent.

Copies of the Financial Aid Withdrawal Worksheets and examples of the refund process are available upon request from the Presbyterian College Financial Aid Office.

Presbyterian College Academic Scholarships

The scholarship programs described below are awarded competitively to entering freshmen on the basis of academic merit, extracurricular activities, leadership, and character. Financial need is not a factor. The selection process includes a review of applications, high school records, standardized test scores, and, for the Quattlebaum Honor Scholarship, campus interviews.

Quattlebaum Honor Scholarship: Awarded to two selected students each year, the Quattlebaum scholarship covers the full cost of tuition, room, board, and fees (renewable for up to four years of undergraduate study at PC with specific GPA renewal requirements). The students selected as Quattlebaum Scholars not only will have exhibited exceptional academic achievement, but also have demonstrated leadership ability and potential as well as outstanding personal character. This is the most prestigious award offered by Presbyterian College. Admissions application must be completed by November 15.

Founders Scholarship: To be considered for the Founders Scholarship, students must be residents of South Carolina, qualify for the early round of SC Palmetto Fellows Scholarship, and score at least 1300 on the SAT or 29 on the ACT. The Founders Scholarship is a \$30,000 scholarship package with an estimated four-year value of \$120,000 (includes any federal and state aid for which the student qualifies). There are a limited number of awards. Admissions application must be completed by November 15.

China Scholars: Up to thirty incoming freshmen will be selected for the China Scholars program. These students will take two semesters of Chinese Language instruction taught at PC during their freshman year and will complete the foreign language requirement by participating in a third course, a Maymester trip to China, for an immersion experience. PC will contribute \$1,000 towards the cost of the trip to China. Students interested in being considered as China Scholars will be required to submit an additional essay. Admissions application must be completed by November 15.

Presbyterian Church USA Servant Leadership Scholarships: These scholarships (eight awarded each year, valued at \$5,000 each) are given to students who have demonstrated outstanding community and/or church service and are members of a Presbyterian Church (USA). Students will be asked to submit letters of support from their pastor and/or youth advisor for consideration. Only those students nominated for the Outstanding Youth Leader Awards by their church will be considered for these awards. Admissions application must be completed by November 15.

Music Scholarships: Scholarships in music are available to all PC students who are interested in participating in programs and ensembles offered by the Department of Music. Scholarships are available for prospective music majors, music minors, and students who only want to be involved in ensembles such as choirs, bands, orchestras, bagpipes, and hand bells. The Department of Music offers two levels of scholarship support: The General Music Scholarships are available to all PC students and the Dorothy C. Fuqua Music Scholarships are available only to students who intend to major in music. To apply for any scholarships in music, prospective students must download or acquire the Music Scholarship Application that is available at the departmental website, www.presby.edu/music, or by calling the departmental offices. The completed application is submitted to the Department of Music and an audition will be scheduled for a convenient time during January, February, or March (see website for dates and details.) All applicants indicating a possible music major are automatically entered in the Fuqua Competition while remaining eligible for General Music Scholarships. Prospective majors must audition prior to February 21, 2011, to be eligible for the Fuqua scholarships. The level of scholarship aid in music ranges from \$500 to a level that would assure the

coverage of full tuition and all music fees. Contact the Department of Music offices by email at music@presby.edu or by calling 864.833.8470.

Southeastern, Dillard-Elliott, Belk, and Highlander Scholarships: Students earning high academic achievement will be considered for scholarships ranging from \$5,000 to \$16,000. Admissions application must be completed by February 1.

Important note: These scholarships are usually packaged along with other types of financial aid and may only be a part of the total financial aid award. Please contact the admissions or financial aid office for more information about these scholarships or about other types of available aid. Each of these awards applies to the undergraduate program only and does not apply to the School of Pharmacy.

All merit-based scholarships are awarded based on a student's re-calculated GPA using only core academic courses taken in high school.

Leadership Scholarships: PC offers numerous scholarships for demonstrated leadership abilities and promise ranging in value from \$500 to \$10,000. Admissions application must be completed by February 1.

Minority Leadership Scholarship: Five students will be selected each year for outstanding extracurricular and leadership accomplishments. Admissions application must be completed by February 1.

Boys State and Girls State Scholarships: PC also offers a limited number of awards to attendees of Boys and Girls State valued at \$3,000 each. Admissions application must be completed by February 1.

PC will match state-sponsored merit scholarships in the form of gift aid (up to the amount of \$3,000). However, some of these may be replaced with a higher-value scholarship.

Important note: These scholarships are usually packaged along with other types of financial aid and may only be a part of the total financial aid award. Please contact the admissions or financial aid office for more information about these scholarships or about other types of available aid. Each of these awards applies to the undergraduate program only and does not apply to the School of Pharmacy.

All merit-based scholarships are awarded based on a student's re-calculated GPA using only core academic courses taken in high school.

ROTC Scholarships: There are several different types of scholarships available. Army ROTC Scholarships include full tuition, fees, a book allowance, and a monthly living allowance. Students also receive room and board from PC as an incentive for winning an ROTC scholarship.

High school seniors applying to PC may compete for four-year, merit-based scholarships. Candidates interested in a four-year scholarship must apply prior to December of their senior year of high school. Applicants can receive assistance from the Department of Military Science in submitting applications.

First year students at PC may apply for four-, three and a half-, and three-year scholarships. Sophomores may apply to attend the Leadership Training Course at Fort Knox, Kentucky, where they may win a two-year scholarship. Similar opportunities may also exist for juniors and select seniors.

All applicants must meet minimum standards in SAT/ACT scores, GPA, physical fitness, and be medically qualified by the U.S. Army. More information may be obtained by contacting the Department of Military Science at 864.833.8583.

Endowed Scholarships

Presbyterian College holds in its endowment over 500 scholarship funds. These scholarships have been established by alumni, churches, foundations, corporations, parents, and friends of the College. They often carry the name of the donor or the name of someone whom the donor wishes to honor.

Donors of endowed scholarships have designated the qualifications that students must have in order to become recipients of the scholarships. Designations include students with financial need, students demonstrating outstanding academic ability, students studying in specific disciplines, student athletes, and students from specific geographical areas or specific local churches. Endowed scholarships are administered through the Office of Financial Aid.

The College's official listing of endowed scholarships appears in the brochure "Champions of Enlightenment." For a copy of the brochure, contact the Office of College Advancement.

Other Institutional Assistance Programs

Athletic Scholarships: Athletic scholarships are available for men in baseball, basketball, cross-country, football, golf, soccer, and tennis. Women may receive scholarships in basketball, cross-country, golf, lacrosse, soccer, softball, tennis, and volleyball.

PC Fellows: This scholarship and recognition program honors young men and women who, after the first semester of their junior year in high school, have the highest cumulative averages for the previous 2 1/2 years of academic work. PC Fellows who enroll are awarded \$1000 per year.

Church Vocation Grants: Financial awards are designated for students preparing for full-time Christian service as ministers or directors of Christian education in any evangelical denomination.

These grants are based on merit and need. The applicant must submit a letter showing declaration has been made to the local church, minister, or appropriate church court of the intention to enter a full-time church vocation.

Child of Church Professional: The College remits annually the sum of \$1,000 to the sons and daughters of active ministers and certified church workers of the Presbyterian Church (USA).

Church Scholarship Grant: Each entering PCUSA student receives a \$1,000 per year grant.

Church Scholarships: These scholarships have been established by Presbyterian churches for the benefit of students from their congregations.

Presbyterian College Grants: The scholarship committee awards other grants to students who qualify due to need or outstanding achievements. Awards are renewable, provided satisfactory progress is maintained.

Campus Work Opportunities: Many work opportunities are available on campus through which a student may earn funds toward meeting expenses. Jobs include work in the dining hall, library, administrative offices, faculty departments, health center, student center, maintenance, as well as positions as residence counselors and receptionists.

Priority for work opportunities will be given to students having financial need through the Federal Work Study Program.

South Carolina Programs

SC Tuition Grants: Grants up to \$2,600 per year for up to four years may be awarded to qualified legal residents of South Carolina attending Presbyterian College. Awards are based on financial need as determined by the South Carolina Tuition Grants Agency. Students must successfully complete at least 24 semester hours and continue to have financial need to be eligible for renewal each year. Application is made through the FAFSA and should be completed by June 30.

SC Teacher Loan: Students who express an intention to teach may be eligible for a South Carolina Teacher Loan to assist them in financing their college education. The Office of Financial Aid can supply details of this special program designed to attract high-quality students into a career of teaching. Students must apply by April 15th of each year to be considered for these funds.

Palmetto Fellows: Eligible students must have a 3.5 GPA, 1200 SAT, and rank in the top 6 percent of high school class in order to be considered for this \$6,700 scholarship. Students can apply through their high school guidance office. Students must maintain a 3.0 GPA and earn 30 hours per academic year (fall, spring, and summer terms) in order to remain eligible.

Palmetto Fellows Enhancement: Recipients with at least 30 hours and who, as a freshman, earned 14 hours math and/or science and who are math and science majors will receive an additional amount of up to \$2,500 for a maximum of \$10,000. Palmetto Fellows with at least 30 hours but who do not meet the conditions above will receive an additional amount of up to \$800 for a maximum of \$7,500. Entering freshmen, regardless of major, will receive a maximum of \$6,700.

Palmetto LIFE Scholarship: Eligible South Carolina residents must meet two of the three criteria in order to receive this \$5,000 scholarship: 3.0 GPA on the State Uniform Grading Scale, 1100 SAT or 24 ACT composite score, or top 30-percent ranking of high school class. Students can gain eligibility at Presbyterian College with an average of 30 hours per academic year (fall, spring, and summer terms) and a 3.0 cumulative (collegiate) GPA. To maintain eligibility, a PC student must maintain a 3.0 collegiate GPA and an average of 30 earned hours per academic year (fall, spring, and summer terms). Eligibility for entering freshmen is based on the final high school transcript.

LIFE Scholarship Enhancement: Recipients with over 30 hours and who, as a freshman, earned 14 hours math and/or science and who are math and science majors will receive an additional amount of up to \$2,500 for a maximum of \$7,500. Entering freshmen, regardless of major, and upperclassmen who do not meet the above conditions, will receive a maximum award of \$5,000.

In addition to defining eligible majors, individual courses must be identified that meet the 14 hours of math and/or science during the freshman year requirement. Please note that current interpretation of the new legislation precludes students from ever becoming eligible for the enhancements if the 14-hour requirement is not met by the end of the freshman year. AP credits and dual enrollment courses (college courses taken while in high school) can satisfy the 14-hour rule.

SC Hope Scholarship: Students who do not qualify for a LIFE scholarship may be eligible for a SC Hope Scholarship. To be eligible for this one-time grant of \$2,800, the student must have a 3.0 GPA and be a SC resident at the time of high school graduation and college enrollment. A student who receives the Hope Scholarship can still be awarded a LIFE Scholarship later if he/she meets the requirements.

Federal Programs of Student Assistance

Pell Grants: Awards ranging up to \$5,550 per year (determined by a standard needs analysis formula) may be awarded to eligible students. These grants are based on an individual's enrollment status and may be paid for full-time, three-quarter time, and half-time attendance.

An application must be submitted each year (FAFSA). Awards are renewable, provided the student maintains satisfactory progress and continues to have financial need as determined by the U. S. Department of Education.

The Pell Grant is an entitlement program. No repayment is required unless a refund is due as a result of enrollment changes or withdrawal from studies.

Federal Supplemental Educational Opportunity Grant: Awards are made to students of exceptional financial need who, without the grant, would be unable to continue their education. Awards range from \$100 to \$4,000 per year, depending on need and available funds.

Determination is made by the College and based upon the results of the FAFSA. For renewal, students must maintain satisfactory progress and continue to have exceptional financial need.

Federal Direct Student Loan: Loan amounts range from \$3,500 per year to eligible freshmen, \$4,500 for sophomores, \$5,500 per year to juniors and seniors through the Federal Stafford Loan Program. For the subsidized, or need-based, Federal Stafford Loan, payments of principal and interest (currently at 3.4 percent) are deferred until the student is no longer enrolled on at least a half-time basis. Renewal is based on continuing need.

Unsubsidized, or non-need, Federal Stafford Loans are also available, up to \$2,000. Additional information is available from the Office of Financial Aid or www.presby.edu. Stafford loans can be applied for at www.studentloans.gov.

Federal Parent Loan for Undergraduate Student: PLUS is a federal loan program that allows parents to borrow up to the cost of attendance per academic year. It is not based upon need. Repayment begins 60 days after disbursement and may be extended up to ten years. The interest rate is fixed (currently 8.5 percent). PLUS loans can be applied for at www.studentloans.gov.

Federal College Work Study Program: The work study program provides jobs for students with established financial need who must earn a part of their educational expenses. Payments are made to the student by check each month.

The Supplemental Education Opportunity Grant, Perkins Loan, and the College Work Study Program are federal programs administered by the College. Recipients are selected by the Office of Financial Aid based on need and available funds. Students having the greatest need will receive priority for the awards.

The College must amend or adjust awards based on financial need should the student receive awards, long-term loans, or work that causes established need to be exceeded.

Veteran Benefits: Certain armed service veterans and dependents who qualify under federal laws (administered by the US Department of Veterans Affairs) are eligible to receive educational benefits. Information about these programs may be obtained by writing the state or county Veterans Administration office or the Office of the Registrar.

Other Sources of Financial Assistance

Other State Grants: Out-of-state students should check with local state agencies to find out the availability of their grant programs.

Vocational Rehabilitation Scholarships: Individuals with physical disabilities classified as vocational handicaps may receive financial aid from state departments of vocational rehabilitation. Detailed information is available through the departments of vocational rehabilitation in the student's home state.

Aid in the Local Community: Students are encouraged to seek out and apply for scholarships, loans, and work opportunities other than those available through the College, state, and federal funds. Suggested sources of aid to be explored — but not limited to — are the following: civic clubs, bank trust departments, churches, professional organizations, veterans groups, high school guidance office, family employer, foundations, and community employment.

Financial Information

The College is deeply committed to offering each student an excellent education while focusing financial attention on cost containment. Policies and programs are in place to ensure that this occurs. Thanks to the generosity of donors – past and present – virtually no student pays the full cost of a Presbyterian College education. Annual support, together with income from endowments, covers a significant portion of the cost.

Charges for the 2012-2013 School Year

This information is correct as of July 1, 2012. Changes in assistance programs may result in changes to the following information.

Fall and Spring Charges – Full Time Enrollment		
	Resident Student	Commuter Student
Tuition	\$30,080.00	\$30,080.00
General Fee	\$2,000.00	\$2,000.00
Technology Fee	\$600.00	\$600.00
Room (Typical Double)	\$4,260.00	
Meals – 17 per week Plan	\$4,490.00	
Total Annual Charge	\$41,340.00	\$32,680.00

Some rooms, including single rooms, are charged other rates. The fee varies by type of room, ranging from \$3,390 to \$6,050 per year. A schedule of charges is available in the on-line Financial Brochure on the Business Office website.

Financial aid awards only apply to typical double room rates. Students and parents are responsible for paying any difference on premium alternate room rates.

An 8 meal per week plan is available to residents of Spradley Hall, Townhouses, Scottish Arms Apartments, student teachers, and commuters for \$2,824 during the fall and spring terms.

Fall and Spring Charges – Part Time Enrollment	
Tuition	\$1,260.00 per credit hour
Matriculation Fee	\$25.00 per semester
Technology Fee	\$25.00 per credit hour

Senior citizens (age 62+) may audit a course for a flat fee of \$75. Parking stickers are included in the course fee for senior citizens.

Special rates are available for high school students enrolled in the dual enrollment program. Contact the Business Office for further information.

Summer Charges		
	Resident Student	Commuter Student
Tuition	\$450.00 per credit hour	\$450.00 per credit hour
Matriculation Fee	\$25.00 per term	\$25.00 per term
Technology Fee	\$25.00 per credit hour	\$25.00 per credit hour
Science Laboratory Course Fee	\$50.00 per course	\$50.00 per course
Room (Typical Double)	\$925.00 per term	
Meals – 15 Meal Ticket	\$108.50 per ticket	
Meals – 30 Meal Ticket	\$217.00 per ticket	

The non-credit auditing fee per course will be \$145 for courses of one to three credit hours. The summer term non-credit auditing maximum is one 3-hour course and one 1-hour course.

Fees

Applied Music Fees: Fees for applied music lessons are \$310 for 0.5 hour credit and \$490 for 1 hour credit.

Course Specific Fees: Each course that requires payment of a specific fee related to enrollment in a course will be disclosed in the portion of the catalog that describes the course.

Diploma, Cap & Gown Fee: A one-time fee of \$50 for diploma, cap, and gown will be automatically assessed and billed to each student upon reaching 90 credit hours or upon officially declaring dual-degree candidacy. A student who withdraws after paying the fee will receive a full refund. Upon re-entering Presbyterian College the student will be re-assessed the fee.

Directed Study/Internship Course Fees: Directed study or internship courses are charged at the per credit hour rate. Technology and matriculation charges may also apply..

The General Fee: A \$1,000 per semester fee that covers necessary charges that must be made for certain services and items of equipment. It includes matriculation, library, laboratory, and student activities fees. Charges for student activities cover participation in athletic activities, free admission to all intercollegiate athletic contests played on the campus, and subscription to student publications. This fee is required of all commuter and resident students.

International Student Fee: All international students will be assessed a \$300 fee per semester.

Drop/Add Late Fee: Changes to a student's schedule may be allowed, in extenuating circumstances, after the "drop/add" and "WP/WF" deadlines. If approved, a fee of \$50 will generally apply.

Miscellaneous Fees: Charges for breakage, special medicines, emergency transportation, services, and other appropriate items will be made when and if these charges occur. These bills will be handled in accordance with College policy.

Orientation Fee: All incoming freshmen and transfer students are required to pay a \$150 orientation fee (subject to change).

Returned Check Fee: Students will be charged a \$25 fee for any check received in payment of any obligation that is returned by the bank. The intentional passing of bad checks may result in an Honor Code violation.

Science Laboratory Course Fee: Students will be charged \$125 per science course requiring a lab.

Student Insurance Fee: All students are required to have insurance. Students are required to provide proof of insurance or sign the waiver card included on the medical form located on the new student orientation checklist page. If neither form is received, students may be enrolled in a suitable plan at their cost.

Study Abroad Fee: PC students studying abroad will be assessed a \$300 fee per semester while abroad.

Technology Fee: All full-time students will pay a \$300 per semester "Technology Fee." Part-time students will pay \$25 per credit hour up to a maximum of \$300 per semester. This fee supports the College's investment in computing and technology and its support of the educational program.

Travel Course Fees: Courses requiring travel (foreign and domestic) will require additional charges. These costs, payable at the time the course is offered, are subject to change with the world economy. For any off-campus study or internship for which the student receives Presbyterian College credit, the minimum charge will be tuition and fees charged by Presbyterian College.

Escrow Deposits – Freshmen and Transfers

An Escrow Deposit will be required of all incoming students. Students upon receipt of their acceptance letter to enroll at Presbyterian College for the 2012-2013 academic year are required to pay a nonrefundable \$400 Escrow Deposit. This payment establishes the required deposit that will secure a space in the classroom for the appropriate entrance date for each semester and in the College's student housing program. The Escrow Deposit will be held over the course of the student's academic career and will be applied toward any outstanding fees and fines that have not been paid upon graduation or withdrawal from the College. At that time if there is a credit balance after application of the deposit toward the student's tuition account, a refund will be processed within approximately 45 days. However, if after application of the deposit toward the student's tuition account there still remains an outstanding balance, payment in full of the outstanding balance must be received before the College will honor any requests for transcripts. The College will also withhold a student's diploma until any outstanding balance is paid.

The Escrow Deposit is refundable to returning students upon graduation or if the student has officially withdrawn and will not return within one year.

Advance Deposits – Returning Students

All returning students will be required annually to pay a non-refundable \$300 Advance Deposit that will secure a space in the classroom for the appropriate entrance date for each semester and in the College's student housing program. The Advance Deposit will be credited to the student's tuition account and will be applied toward tuition and fees for the fall term or for the spring term for students not enrolled for the fall term.

Payment of the Advance Deposit is used by the College as an indicator of the students who are committed to continuing their enrollment. It assists the College in formulating plans for meeting the needs of the students. This deposit also serves to allow students to register for housing and participate in the housing lottery. Therefore, students who decide not to return to PC after payment of the Advance Deposit will forfeit the deposit.

Living and Dining Accommodations

With the exception of the Scottish Arms apartments, the fee for room rent includes accommodations in College housing, A/C, heat, lights, water, cable, laundry, and janitorial service for common areas. Water, sewer, and trash disposal are provided to students residing in the Scottish Arms. All other utilities are the responsibility of the student. Apartments are unfurnished.

The rates listed on page 16 include all necessary expenses for a nine-month session except books and spending money. PC reserves the right to increase these rates if such action becomes necessary.

Personal expenses must be determined by the individual student.

All full-time single students, except those commuting daily from their family's residence, are required to live in College residence halls and subscribe to a meal plan each semester. Exceptions to this policy can be granted in extraordinary cases by the Interim Dean of Students. Some senior-only housing is available in Spradley Hall, the townhouses, and the Scottish Arms Apartments. A housing lottery will determine which seniors will be permitted to live in these housing options or live off campus.

During the fall and spring terms, Greenville Dining Hall offers a wide variety of food to suit almost every taste. Five separate stations and two self-serve bars provide a mix of food styles. Many entrees are prepared to order and cooked while you watch. The College offers two meal plans – an 8-meal plan and 17-meal plan. Most students must select a full plan, offering 17 meals each week (including brunch on Saturday and lunch on Sunday). Students residing in the College Townhouses, Spradley Hall, or the Scottish Arms apartments have the option of selecting an 8-meal plan. Student teachers residing in College housing have the option of selecting an 8-meal plan during their semester of student teaching. Commuters may elect any meal plan or choose no meal plan and pay at the door for any meals eaten in the dining hall.

Both meal plans include "Kilt Cash" that may be used in lieu of cash in the Springs Food Court. Additional Kilt Cash can be purchased and added to the student's ID card in the dining hall.

While enrolled in summer school, students have the option to reside on or off campus, but all students, regardless of hours taken, are eligible to reside in dormitories. Students may purchase a 15- or 30-meal ticket in person at the Greenville Dining Hall (checks should be made payable to Sodexo or a bank card may be used at the register). Unused meal ticket punches may be used in a future term. Students opting out of the meal ticket option may purchase individual meals for \$7.50 each. Summer hours of operation for the Greenville Dining Hall will vary. The dining hall will have limited hours and some days it may be closed. Students should bring additional funds to purchase meals off campus during these times.

Policy for Payment of Tuition, Fees, Room and Board

The purpose of this policy is to provide Presbyterian College students and their families a clear understanding of the College's requirements for payment of tuition, fees, room, board, and other charges that may be posted to the student's account. The policy establishes the consequences of non-payment of accounts by the prescribed deadlines. All statements are due and payable as indicated in the online invoice from the Office of Student Collections found at www.presby.edu/stuacct. The College expects payment or enrollment in the payment plan through Educational Computer Systems, Inc. (ECSI) by the dates indicated. Payment plan participants' ECSI accounts must be in a current status when students arrive on campus for the semester.

Students who have not made payment or satisfactory arrangement for payment by the first day of class will be issued a 'Notice to Vacate'. Enforcement of this notice will occur one week after issuance and the student will be required to leave campus. The student's registration in classes will be officially withdrawn; the Office of Residence Life will be notified to cancel access to the student's assigned room and remove the student from the meal plan; and the Financial Aid Office will be notified to withdraw aid funds awarded the student. Details of the tuition and fees payment policy are available on the Business Office website.

The College reserves the right to accrue a finance charge on outstanding obligations not to exceed 18 percent APR. Non-payment of financial obligations to the College can result in referral of accounts to outside collection agencies. Students will be responsible for payment of all collection costs, including legal fees that may be required for collection purposes. Also, the collection agencies will report delinquent accounts to the major credit bureaus resulting in potential damage to the individual's credit rating.

Hours for the Office of Student Collections Cashier's window in the Smith Administration Building are 9:30-11:30 a.m. and 2:00-4:30 p.m. Monday through Friday. When the Cashier's window is closed, payments may be dropped into a secure mail slot underneath the window. Account information is available at www.presby.edu/stuacct.

Schedule for Payments			
<i>(Annual cost is divided between the two semesters)</i>			
		Resident Student	Commuter Student
August 15, 2012	Fall Term (estimated)	\$20,715	\$16,340
December 14, 2012	Spring Term (estimated)	\$20,715	\$16,340

Online Invoicing and Online Payment Available at www.presby.edu/stuacct.

Bills are available online. Except in special circumstances, no paper bills will be mailed. Students may pay either by Electronic Check (E-Check) at no extra charge or by credit card (MasterCard, American Express, or Discover) for a 2.5 percent processing fee. The site offers payment confirmation immediately after the transaction is completed. Fund posting may take three-to-five business days. Checks may also be mailed or submitted in person to Presbyterian College. To view the invoice and make payments at any time, students will need their PC identification number and the last four digits of their social security number.

Tuition Payment Plan (monthly installment plan)

Several plans are offered including a 10-Month Plan (beginning in May), a Fall Plan (beginning in May), and a Spring Plan (beginning in September). (Annual fee – \$45.00 and semester fee – \$35.00; live customer service available during normal business hours.) Advance and/or Escrow Deposits may not be paid through the installment payment plan. Go to the online application at www.ecsi.net and choose “Are you a student,” or call toll free at 888-549-3274.

Refund Policy

General refunds (overpayment or excess loan funds) will be disbursed each semester unless a carry forward credit form is completed by the student which allows the Office of Student Collections to hold the refund from the fall term to the spring term. All refunds will be made payable to the student except when there is a PLUS (Parent Loan) on the account. If the credit on the account is in excess of the student loan amount, those refunds will be made payable to the parents and mailed to their address.

Students that change room or meal assignments with the permission of the Office of Community Life will have adjustments to the corresponding charges on their student accounts based upon the effective date of the change. A refund will be disbursed if a credit balance results after the changes on the student account.

During the summer terms, the first day of class will be used for the purpose of computation of refunds. Refunds will be computed on all fees, including room and board, based on the prorated refund calculation required by federal law. The refund will apply for any student whose withdrawal date is through the 60 percent enrollment period in time (through the third week). The prorated refund calculation will also apply to financial aid awards to be refunded to all sources. An administrative fee of \$100 (as allowed by law) will be assessed on withdrawals.

Withdrawal from the College

Many commitments of the College are based upon the enrollment at the beginning of the year. Students are expected, therefore, to be in attendance for the entire year. Students who withdraw may receive a partial refund. The first day of class will be used for the purpose of computation of refunds. The official date of withdrawal will be established by the Provost according to College policy. Refunds will be computed on all fees including room and board, and based on a prorated refund calculation required by federal law. There is no refund applicable after a student has attended 60 percent of the semester (i.e., through the ninth week of the semester). The prorated refund calculation will also apply to all financial aid awards to be refunded to granting agencies. Students that withdraw in the final 40 percent period of the semester will receive no refund and no adjustment to charges will be made. An administrative fee of \$100 (as allowed by law) will be assessed on withdrawals.

Withdrawal from a Course or Courses

Any full time student who drops below full-time (12 hours) to part-time status after the last day for late registration and change of courses will be charged tuition, fees, room, and board at the full-time rate. Therefore, no refund will be given.

Transcripts

Official transcripts of record are available through the Registrar's Office at no charge. Special handling (Federal Express, USPS express mail, or UPS) requires the payment of a \$30 fee. A request for transcripts must be made in

writing. No student will receive a transcript of credits until all charges have been paid or satisfactory arrangements have been made with the Office of Student Collections. Upon notification of any defaulted loan a hold is placed on the account for release of a transcript.

Diplomas

Diplomas will be held until any outstanding balance is paid. Students who have student loans (Perkins, Stafford, etc.) are required to complete an exit interview prior to graduation. Diplomas will be held until the exit interview has been completed. For convenience, exit interviews will be available online.

Academic Policies and Procedures

The Academic Calendar

The academic calendar includes a fall term that extends from mid-August to mid-December and a spring term that extends from early January to early May. Each semester is approximately fifteen weeks in length including course work and final examinations.

Several courses involving off-campus study are offered during a special May term following commencement. Participation is optional.

Presbyterian College operates a summer school divided into two terms of five weeks each. This schedule enables a student to earn six hours of credit for each of these terms or twelve hours for the entire session (fourteen hours if a laboratory science is included). Summer applicants must meet regular requirements for admission, but registration in this session does not necessarily imply admission to the fall term.

Classification

Students are classified according to the number of hours completed:

0-27 hours	Freshman
28-59 hours	Sophomore
60-89 hours	Junior
90 hours and above	Senior

Classification is updated at the end of every academic term.

Academic Class Loads

The minimum number of semester hours a regular student must take during any one semester to remain in school is twelve. The normal load per semester is twelve to eighteen hours.

Additional hours may be taken with the following overload limitations:

19 hours	2.80 GPA previous semester
20 hours	3.00 GPA previous semester
21 hours	3.30 GPA previous semester

No student will be given credit for more than twenty-one semester hours in one semester. This total includes correspondence, extension, and audit courses.

A maximum of six semester hours may be earned in an approved summer term. Laboratory courses may bring this total to seven hours.

To graduate in four years a student must successfully complete an average of slightly more than fifteen hours per semester.

Academic Advising

The College offers academic advising to all students, placing the experience of its faculty at the service of students for formal and informal counseling.

Before initial registration, each student is assigned a faculty advisor who should be consulted whenever a problem arises. The student especially needs advice (1) before registering for future courses, (2) before dropping courses, and (3) when planning a program of study and selecting a field of concentration.

Accommodations for Students with Disabilities

Although Presbyterian College does not have a special program for students with disabilities, the College makes every reasonable effort to accommodate students with disabilities and to assist them in obtaining an education. All students (including those with learning disabilities and/or attention-deficit disorders) must take the required courses for a B.A. or B.S. degree.

The Office of the Provost will assist students with disabilities to be made aware of the accommodations that the College is able to provide. If a student has a disability that affects academic performance, he/she should inform the Provost's office in writing of the disability as well as the nature of its effect on his/her academic performance. Contact the Office of the Provost for more information and to apply for accommodations.

Foreign Language Substitution Policy

Presbyterian College regards all admitted students as “otherwise qualified” to participate in any program of academic study with or without reasonable accommodations. Thus, students with disabilities are not excused from degree requirements. However, in certain limited circumstances substitution of the general education foreign language requirement may be determined to be a reasonable and appropriate accommodation for a student with a properly documented disability. Any accommodation of this nature will be considered only when it has been confirmed that the student’s disability makes completion of the requirement impossible with or without any other reasonable accommodations. Consideration of a course substitution for foreign language will be done on a case-by-case basis taking into account the educational purposes served by the language requirement. Typically course waivers are not granted and should be considered as a last resort (upon confirmation that no reasonable accommodation with a smaller impact on the College’s educational program will allow a student to complete the foreign language requirement).

Documentation and procedures for requesting a foreign language substitution:

A student may petition for substitution of the foreign language requirement based on prior testing for a learning disability or by referral of a Presbyterian College foreign language professor because of unusually severe difficulties in a college level foreign language course. For entering students with prior documentation of a learning disability, the petition may be filed prior to matriculation or at any time thereafter. Gaining approval for a course substitution is often a lengthy process, and students are encouraged to begin the process as early as possible.

In order to be approved to substitute courses to fulfill the College’s foreign language requirement, the student must submit diagnostic test scores administered by an appropriate professional external to the Office of the Provost. Presbyterian College’s Coordinator of Disability Support Services will evaluate all test scores and make a recommendation to the Dean of Academic Programs and the student. Information pertaining to the tests necessary to establish a language based disability can be found in the Office of the Provost. Testing must have taken place within two years of the date of application for the language substitution and the results must be based on tests using adult norms. Presbyterian College reserves the right to require additional testing if deemed necessary.

In the event that test scores indicate a severe foreign language disability, the student may petition in writing to the General Education Committee requesting a substitution of courses for the foreign language graduation requirement. The student’s petition must be accompanied by documentation of the disability, a letter from the student’s foreign language professor (if the student is or has been enrolled in a foreign language class at Presbyterian College), and a letter from the Dean of Academic Programs summarizing the findings of Presbyterian College’s Disability Support Services Coordinator.

The General Education Committee has ultimate authority to determine whether or not to grant any foreign language substitution request. If the petition is granted, the General Education Committee will identify a selection of courses appropriate as substitutions. Any such course that is used to fulfill the language requirement may not be counted to fulfill any other general education requirement. Depending on the circumstances, the Dean of Academic Programs may also recommend that the student be granted a late withdrawal from a language course.

Any appeals of the decisions of the General Education Committee will be heard by the Provost.

Registration

Pre-Registration: Students who are currently on campus at the time of pre-registration are expected to pre-register according to the instructions given. Students generally pre-register in the fall for the upcoming spring and in the spring for the upcoming summer and fall. Students must meet with their advisors during pre-registration to discuss their academic progress and to establish a plan for the upcoming semesters. Pre-registration ends with the first day of the next term.

Registration: Students may register online from the start of the pre-registration period through the “drop/add” date. This date, the last day for schedule changes, is the end of the first week of classes for fall and spring terms (the second full day of classes during summer terms). Schedule changes may be made through the “drop/add” date without penalty. A student may, during the first seven weeks in the fall and spring terms (in summer school, after two weeks of classes), withdraw from a course and, depending on whether he/she has a passing grade at that point, shall receive a grade of “WP” or “WF.” A grade of “WF” is calculated the same as a grade of “F.”

Course Audits

Registered students may audit courses, subject to permission and requirements imposed by the instructor. If a record of the audit is to appear on the transcript, the student must fulfill attendance requirements for the course. However, a course may not be converted to audit nor may an audit course be converted to either graded or pass/fail status after the end of the drop/add period.

Pass/Fail Grading Option

During their junior and senior years, students may elect to take up to a total of nine hours of courses on a pass/fail basis. This excludes courses prescribed for the student's major program and courses in the major field. No more than two courses may be taken on a pass/fail basis in any one semester. Grades received in courses taken pass/fail do not earn quality points, are not used in the grade point ratio, and are not used in the calculation of honors, etc. General education requirements may not be satisfied on a pass/fail basis.

A course previously taken for a grade may not be repeated as a pass/fail course. In addition, a course may not be converted to pass/fail status nor may a pass/fail course be converted to graded status after the end of the drop/add period. Grades of "WP" or "WF" will be given in the case of withdrawal during the first seven weeks of a pass/fail course.

Research, Internships, and Other Special Courses

Students may enroll in selected directed studies, internships, research, selected readings, and special projects.

A directed study requires a minimum GPA of 2.25 with course approval by the Provost. A maximum of nine hours credit may be counted towards graduation. Each directed study will culminate in a research paper or its equivalent. A department may, at its option, allow the hours earned in a directed study to count toward its major.

Internships require a minimum GPA of 2.00 at the time of application (or higher if specified by the department in which the internship is taken). A maximum of six hours credit may be counted towards graduation. Internships are graded on a pass/fail basis only. A department may, at its option, allow the hours earned in an internship to count toward its major.

Research requires a minimum GPA of 2.50 (or higher if specified). A maximum of nine hours credit may be counted towards graduation. A department may, at its option, allow the hours earned in a research to count toward its major.

Selected readings are open to students with sophomore, junior, or senior standing. Hours earned in these readings cannot be used to meet requirements for the major. A maximum of nine hours credit may be counted towards graduation.

Seminars are regularly offered by various departments of the College. The requirements for these courses are individually listed.

Special Projects are open to sophomore, junior, or senior students who have a GPA of 2.25 and approval by the Provost. A maximum of nine hours credit may be counted towards graduation.

Special Topics Courses

Special topics courses are those that cover subject matter that is not part of the regular curriculum. A special topics course must have the prior approval of the department and the Provost and may be offered twice. Students may enroll in and receive credit for an unlimited number of special topic courses as long as any prerequisites or other requirements are met.

Class Attendance Policy

Each academic department will set and administer its own absence policy; therefore, students should read carefully the absence policy as described in each professor's course syllabus. Students whose absences exceed the number allowed may be dropped from the class with a grade of "F."

When an absence is unavoidable, students should notify their professors, in advance when possible, by telephone or email to make them aware of their absence and to coordinate any missed work. Students should be prepared to offer medical or other documentation to substantiate the need for their absence.

Final Examinations

A final exam schedule will be published each semester by the Office of the Provost, and instructors shall announce the final examination policy for each course at the beginning of the semester. At the discretion of the instructor, exams may be given at other times which do not conflict with the exam schedule. Instructors may allow individual students to take exams at any time which is mutually agreeable to student and instructor. However, no final exam may be taken by a student outside of the period covered by the final exam schedule without permission from the Provost.

At the end of each semester, all instructors must give a comprehensive written examination of up to three hours duration or require a culminating project. These final examinations and culminating projects shall count at least 20 percent of the total semester grade. Exceptions may be made with prior approval of the department and the Provost. In

addition, an instructor, subject to the approval of the department, may exempt or establish other requirements in lieu of a final examination for students with a grade of "A" in a given course.

No required tests shall be given on the last five calendar days preceding final exams. This does not include quizzes, lab tests, or research papers.

Hours, Grades, Quality Points

A semester hour is the unit of academic credit representing one hour of lecture class or three hours of laboratory work each week for an academic semester. If a class meets three times each week, the credit earned is three semester hours.

As exceptions to the above procedure, during the optional May period of off-campus study and the summer terms, classes meet more often and for longer intervals to cover the material necessary to qualify for the semester hours of credit.

A student earns quality points, along with semester hours, by successfully completing a course with a grade of "D" or better. The number of quality points per semester hour is as follows:

Superior

- A 4 quality points
- A- 3.7 quality points

Good

- B+ 3.3 quality points
- B 3 quality points
- B- 2.7 quality points

Satisfactory

- C+ 2.3 quality points
- C 2 quality points
- C- 1.7 quality points

Poor and Unsatisfactory

- D+ 1.3 quality points
- D 1 quality point
- F 0 quality points

Honors

- H 4 quality points

Other Designations

- FA Failure due to excessive absences (considered same as "F")
- WP Withdrawal Passing
- WF Withdrawal Failing (considered same as "F")
- W Approved Withdrawal (see page 25)
- I Incomplete (becomes "F" if not removed during first 4 weeks of the following semester)
- S Satisfactory (C- or above)
- U Unsatisfactory (D+ or below, considered same as "F")
- AU Audit

The grade point average (GPA) is based solely on work attempted at Presbyterian College and is determined by dividing the total quality points earned by the number of semester hours for which the student has registered (grades of "WP," "W," "I," "S," "U," and "AU" are not included in this calculation).

Faculty members will report grades to the Registrar's office at mid-term and at the end of the term for each student and for each course in which the student is enrolled. Grades are available via the PC web site.

Mid-term grades reported for each course shall be "S" for work equivalent to a grade of "C-" or better, "D" for work below "C-" level, and "F" for failing. For pass/fail courses, grades of "S" (satisfactory) and "U" (unsatisfactory) shall be reported.

Final grades in regular courses shall be "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," or "D" for work rated as passing or better; "WP" if the student withdrew with a passing grade during the first eight weeks of the semester; "WF" if the student withdrew with a failing grade during the first eight weeks of the semester; or "F" or "FA" for a failing grade if the student did not withdraw during the first eight weeks. For pass/fail courses, grades shall be "S" for work equivalent in quality to a grade of "C-" in regular courses and "U" for work below this level. Grades of "WP" or "WF" will be given in the case of withdrawal during the first eight weeks of a pass/fail course.

With the exception of an incomplete grade, a grade once recorded by the Registrar shall not be changed without the approval of the chair of the department and the Provost.

Students granted a withdrawal from school or from a course before the end of the term shall be given grades of "W" as appropriate. See page 26 for more information.

Incomplete Grades

A student who, for reasons beyond his or her control, is unable to complete the requirements for a course before the end of the semester shall, upon recommendation of the professor involved and the approval of the Provost, receive a grade of "I" (incomplete). An "I" may be converted no later than the end of the fourth week of the next semester in residence by the completion of all required work. A grade of "I" which has not been converted within this time shall be recorded as "F" unless an extension of time is approved by the Provost. A grade of "I" which has not been satisfactorily converted within one calendar year will automatically become an "F."

Repeated Coursework

A student may improve the cumulative GPA by repeating courses. Courses taken at PC must be repeated at PC in order to improve the GPA. When such action is taken, the original grade will remain on the transcript, but the number of hours passed and the quality points will count only from the last time the course is taken. If a student repeats a course and earns a lower grade than the prior grade, only the grade from the repeated course will be recognized. This may affect the student's GPA and whether graduation requirements are fulfilled. A student who fails a course that is required for graduation three times must successfully complete that course before he/she can take any other courses at Presbyterian College (i.e., the course may be repeated on the fourth, fifth, etc., try; however, no other courses may be taken until the student passes the repeated course.) Courses that result in a grade of "AU", "W", or "WP" will not replace the prior course grade.

Probation and Exclusion

Satisfactory progress toward a degree is encouraged through the academic probation regulations. The minimum academic level rises as more hours are attempted.

Student records are evaluated at the end of each semester and at the end of the second session of summer school. Probation levels are based on total hours attempted at all colleges attended. However, hours transferred into PC are not used in computing the cumulative GPA.

Hours Attempted	Academic Probation Level
0-31 hours	Below 1.50 GPA
32-61 hours	Below 1.75 GPA
62 or more hours	Below 2.00 GPA

A student who fails to meet these standards is placed on academic probation. A freshman or transfer student placed on academic probation at the end of the first semester at PC has one additional semester and both summer terms to raise the GPA above the probation level. A student whose GPA for a semester falls below 1.20 may, at the discretion of the Admissions Committee, be placed on probation or suspended from the college. A freshman on probation for a second consecutive term (i.e., fall and spring) must attend summer school at PC in order to raise the GPA above the probation level. If the student does not attend summer school at PC, he/she is subject to suspension at the end of the second session of summer school. Other students have one calendar year, after being placed on probation, to raise the GPA above the probation level. Failure to do so will result in suspension from Presbyterian College.

Students suspended at the end of the fall term may not attend during the spring term. Students suspended at the end of the spring term may not attend the summer terms or the fall term. Students suspended at the end of the summer term may not attend during the fall term. Students suspended for a second time are subject to permanent suspension.

Any student suspended under the academic probation regulations may appeal the action to the Admissions Committee that considers each request on individual merit and the student's probability of ultimate academic success.

The student on academic or Honor Code probation or suspension will not receive any academic credit for courses taken at other institutions. This rule may be waived, for due cause, only by the Provost.

Students who have been suspended for any of the above reasons may apply for readmittance after the period of suspension is over by submitting an application to the Admissions Office. These students will be in competition with other regular students for admission.

Withdrawal and Leave of Absence

Withdrawal from College: A student who wishes to withdraw from the College during a semester may do so only with the approval of the Provost in consultation with the Vice President for Student Life. Withdrawals will only be granted when necessitated by serious circumstances (e.g., illness). In these cases, a grade of "W" will be recorded for all courses that have not been completed at the time of withdrawal.

The student should contact either the Office of the Provost or the Office for Student Life to initiate withdrawal procedures. Students who stop attending classes or leave the College without following the appropriate procedures will receive grades of "F" in their course work and jeopardize their opportunity to return in the future.

Students granted a withdrawal must apply for readmission and will be in competition with other students for space.

Withdrawal from a Course: In addition to the normal reasons for withdrawing from a class (refer to "Registration" on page 22), a student may, at any time during a term, withdraw from individual courses due to medical or psychological reasons if approved by the Provost in consultation with the appropriate medical/psychological professionals. A grade of "W" will be assigned for courses dropped due to such reasons.

Leave of Absence: A student may request a leave of absence in advance of a semester. This request must be approved by the Provost. The student must present evidence to show that such a leave of absence is justifiable. Normal justification will include medical and psychological reasons, family and financial circumstances, etc.

A student who is granted a leave of absence will not be required to reapply in order to return to the College; however, the student must notify the Provost in writing of his/her intention to do so at least one month prior to the beginning of the term in which he/she plans to return. Normally, a leave of absence will not be granted for more than two terms.

Students who have been absent from the College voluntarily or involuntarily for medical or psychological reasons, including those granted a leave of absence or a partial withdrawal, will be required to provide medical or psychological clearance acceptable to the College before being allowed to return to the College.

Readmission

Except for those granted a leave of absence, all students who have been absent from the College voluntarily or involuntarily for one or more terms or parts thereof and who desire readmission for a subsequent term shall submit the customary application with such supporting documents for admission as may be required by the Admissions Committee and shall be in competition with other applicants for admission at that time. If the student has been out of residence for more than one academic year, the graduation requirements in effect at the time of re-enrollment at Presbyterian College will apply.

Academic Credit Transferred From Other Colleges

If academic work taken at another college while the student is enrolled at PC is to be accepted as credit toward a PC degree, both the choice of the other college and the course to be taken must be approved in writing by completing a Transient Permission Form and submitting it to the Provost or the Registrar. This includes summer school work taken at another college.

Courses passed with a grade of "C-" or better will be entered on the student's permanent record with the hours passed but not the grade earned at the other institution. Hours in these courses are credited towards graduation requirements but are not used in the calculation of the student's GPA. This policy applies to all courses taken abroad with the exception of the programs or courses led by Presbyterian College faculty.

A maximum of six semester hours may be earned in an approved summer term and twelve hours in an approved ten-week session at PC or elsewhere. Laboratory courses may bring these to seven and fourteen hours, respectively.

Students on academic probation or suspension will not receive any academic credit for courses taken at other institutions during the time of suspension or probation.

Students wishing to receive credit for courses completed at institutions outside of the U.S. (not through study abroad or a PC travel experience) must provide an official academic transcript, an official English translation of the transcript (if applicable), and an evaluation from a NACES approved translation service. In the extremely rare case that students are unable to obtain an official transcript, the College may accept a certified copy. A complete listing of NACES approved translation services can be found at www.NACES.org.

Residence Requirements

Candidates for a Presbyterian College degree must earn a minimum of forty-eight semester hours while regularly enrolled at the College. This must include the last twenty-four semester hours. In addition, students are required to complete at least one half of their major and minor work in residence at PC. However, students who lack not more than

two courses to complete the requirements may, upon approval of the Provost and the major advisor (where courses are in the major field), complete such requirements at another regionally accredited four-year institution. An exception to this rule also may be allowed by the Provost when courses necessary for graduation are not currently offered at Presbyterian College.

Graduation Requirements

It is the student's responsibility to ensure that all requirements for graduation have been completed. This includes, but is not limited to, completion of required courses, attaining a minimum cumulative GPA of 2.0, attaining a minimum cumulative GPA of 2.0 in all courses used to complete the General Education requirements, and attaining a minimum GPA of 2.0 in major coursework.

Requirements for Delayed Graduation

Students who maintain continuous enrollment, but fail to graduate with their entering class, will remain subject to the general education graduation requirements of that class and must fulfill the major requirements applicable at the time the major is declared.

If a student has not maintained continuous enrollment, and has been out of residence for more than one academic year, the graduation requirements in effect at the time of re-enrollment at Presbyterian College will apply.

Academic Honors

Latin Honors: Students who earn a minimum of 60 semester hours of credit here and have a cumulative GPA of at least 3.75 on all courses taken at PC and elsewhere and 3.75 on PC courses are graduated *summa cum laude*; those with 3.60 but less than 3.75, *magna cum laude*; and those who average 3.30 but less than 3.60, *cum laude*.

Dean's and President's Lists: Students enrolled in 12 or more hours for graded credit with no grades of "I" or "U" for the fall or spring term are included on the Dean's list with a GPA of 3.30 or better or on the President's list with a 4.00 GPA.

Departmental Honors: Students with a 3.20 GPA in all courses and a 3.40 GPA in all courses in the major field may, with the approval of departmental faculty, undertake an honors research program during the junior and/or senior years. This program must include a senior thesis or project of exceptional quality and an oral defense of the paper or project before departmental members. This defense is to be open to the College community, and honors students will participate in all other defenses within their discipline. Students who successfully complete the departmental honors research program will graduate "with honors" in the major field.

Anticipated Graduates

Students will be allowed to "march" at commencement if they are two courses (maximum of eight hours) short of the graduation requirements, provided that they have met all other requirements for graduation. Degrees will not be conveyed and diplomas will not be awarded until the end of the academic term in which the student completes all requirements for graduation (August, December, or May).

ACADEMIC SUPPORT SERVICES

Library

The library program is conceived as an integral part of the educational process. It operates on the assumption that the ability to locate and evaluate needed information with confidence is one of the distinctive marks of an educated person. By means of formal and informal instruction in research methods and bibliography, the student is encouraged to progress from heavy reliance on textbooks and assigned readings characteristic of the freshman to the independent work of the graduate scholar who has learned how to discover and gain maximum benefit from modern information resources.

Library policies are established to ensure for all borrowers an equal opportunity to use and enjoy the library's resources and facilities; they do so by indicating appropriate use of the library's resources and facilities and specifying the consequences of inappropriate use. The right of each individual to good library service depends in large measure upon a willingness to respect the rights of others.

Media Center

The staff of the Media Center is available to assist students in the areas of audio and video production from pre-production to post production of final programs, graphic design, and output as simple as printing, copying, and binding

of reports to large format design and color output of research posters. Presentation design and presentation equipment is available through mobile equipment checkout services.

Office of Career Programs

The Office of Career Programs is a resource for students as they explore how their academic and vocational interests intersect. The philosophy of the staff is to help the students help themselves. Career exploration is a developmental process that begins during the first semester on campus. The office and staff provide opportunities for students to learn more about themselves through self-assessment, participation in an internship, and comparison of various educational and career paths. Students can then use this information to make thoughtful and appropriate decisions for their future.

Office of International Programs

Students are encouraged to learn the languages, cultures, and customs of other nations and to deepen their understanding of world affairs. To introduce students to diverse cultures and a wider world, the College encourages its students to study abroad. The Office of International Programs maintains a list of more than 30 approved semester and yearlong programs of academic study in over 20 countries. The programs are regularly evaluated and monitored by faculty in order to ensure high academic quality and immersion in host cultures. Students attending these programs receive PC credits.

The Office of International Programs conducts extensive advising activities, guiding students through the process of identifying programs that fit personal and academic goals, consulting with PC faculty to obtain course approval, applying, and other aspects of off-campus study. Group and individual advising sessions take place every week. The Office provides mandatory pre-departure orientation meetings for all students going off campus, and continuous registration at PC.

PC maintains formal exchange agreements with universities in Australia, China, France, Germany, Ireland, Japan, Mexico, and the United Kingdom.

Requirements: Good standing, and a minimum GPA of at least 2.5. Any student with less than this and who believes for good reason that there are extenuating circumstances may appeal to the committee on the standing of students for an exception to this rule before leaving to study abroad.

Applications: Students who receive PC academic credit for an off-campus program must submit an application through the Office of International Programs. Applicants are required to consult with academic advisors, have courses approved by departments and recommendations by faculty.

Fees & Financial Aid: PC endeavors to make off-campus study available to all students. Financial aid, as determined by the Financial Aid Office, continues when the students study abroad. PC requires the payment of PC's tuition, room and in some cases board. PC charges a nominal administrative fee of \$300 for participation in an off-campus program. Students are responsible for airfare and any personal expenses.

Foreign Language: Students are encouraged to study in the language of their program country, which typically requires four semesters of college-level language study. PC also has approved programs where students may learn the host language while taking other courses in English.

Academic Credit: Academic credit is given for programs approved by PC faculty only. Students must receive a 'C-' or better for credit to transfer. Grades earned on semester and year programs do not count in the student's G.P.A. with an exception of the Cuba program.

The Cuba program offers various levels of Spanish and courses are offered as a part of the standard program through PC. All credits and grades transfer automatically.

Office of Academic Success

Presbyterian College provides individualized academic support for all students, primarily those students who struggle academically in one or more classes. The Coordinator for Academic Success offers specific services to help students succeed in their classes at PC. Some of these services include individualized advising, and learning assessments, as well as time management and study skills development. Tutoring services and referrals to other collaborative resources such as faculty/department chairs, counseling services, residence life, student life, or the Office of the Provost are also available.

The student-centered approach serves to identify and provide what each student needs to succeed academically at PC. Through one-on-one contact, the Coordinator for Academic Success is able to help the student navigate the complexities of the college experience and to encourage the development of skills that will serve them well into the future.

Writing Center

In the Presbyterian College Writing Center, students consult with tutors one-to-one on writing assignments for any class. Students make appointments at any point in the process of writing papers from brainstorming ideas to editing a final draft. Tutors ask questions as readers, suggest strategies for organization or developing ideas, use resources to work on integrating and citing sources, and explain grammar and punctuation so that students learn to recognize and correct errors. Writers are actively involved in the conference. The Writing Center works closely with freshmen as they adjust to the demands of college writing, and students at all levels and in all disciplines continue to use the Writing Center to improve their writing. Students may reserve a conference time on our online scheduler available at web.presby.edu/writingcenter.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA) OF 1974

Directory Information

The College has designated certain information contained in a student's educational record as directory information pursuant to the Family Educational Rights and Privacy Act (FERPA).

Directory information at Presbyterian College consists of:

- Student's full name
- Addresses (campus, permanent, email)
- Telephone numbers
- Major field of study
- Photograph
- Participation in officially recognized activities / sports
- Weight and height (for members of athletic teams)
- Dates of attendance
- Classification
- Degree(s) and awards/honors received

This information may be disclosed by the College for any purpose deemed as legitimate without the consent of a student. However, a student has the right to refuse the disclosure of this information. For more information or to request that information not be disclosed, a student must complete the required form in the Registrar's office.

Student Records

Presbyterian College maintains different types of records: admissions, academic, financial, disciplinary, health, etc. The following records that are maintained in the Office of the Provost and the Office of the Registrar are considered confidential student records:

1. Active Academic Records: Those academic records retained by the Office of the Registrar and required by the Office of the Provost to account for the enrolled student's academic performance and status, including records maintained by instructors.
2. Inactive Academic Records: Those records retained by the Office of the Registrar that pertain to the academic performance of persons no longer enrolled at Presbyterian College.
3. Records Pertaining to Academic Accommodations: Those records retained by the Office of the Provost that pertain to students' requests for and award of academic accommodations.
4. Records Related to Violations or Potential Violations of the Honor Code: Those records retained by the Office of the Provost that pertain to violations or potential violations of the honor code as it relates to academics.

Access to Confidential Information

It is the policy of the College that information contained in official student records will not be released to the parent(s) or guardian(s) without the consent of the student unless the student is a valid dependent of the parent(s) or guardian(s).

Students are allowed access to their official records to ensure that information contained therein is not inaccurate, misleading, or otherwise in violation of their rights or privacy. A student who wishes to review his/her record will make a request directly to the Registrar for academic records or to the Provost for records pertaining to academic accommodations or Honor Code violations. Such requests should be made 24 hours in advance to the respective official.

The Curriculum

Through its liberal arts curriculum, the academic program of Presbyterian College seeks to develop in students the capacity of understanding, intellectual curiosity, and the strength of character necessary for leadership and service in today's world.

Effort is first directed toward giving a general comprehension of our intellectual, scientific, and religious heritage – and the modern relationships among these forces – after which students intensify their study in specialized fields. The curriculum combines traditional work with innovative educational programs that occur both on campus and off campus.

Small classes give increased personal attention and greater opportunity for self-expression on the part of all students. Presbyterian College is small enough to make the leading professors of the various departments available to all students; thus, the benefit of their wide knowledge and experience can be shared, in close association, by each individual in laboratory, classroom, and library work.

Presbyterian College offers programs of study that lead to the Bachelor of Arts and Bachelor of Science degrees in the College of Arts and Sciences.

The curriculum is designed to bring to the student a broad awareness and understanding of the worlds of nature, of society, and of self and to prepare the student for a productive life. Toward this end, the College divides its courses of study into three parts: general education, study in specialized fields, and electives.

Students normally complete the general education requirements during the freshman and sophomore years. These requirements offer a broad understanding of our intellectual and religious heritage – the ideas and ideals that have made our civilization distinctive, the methods of study and analysis of the natural sciences and mathematics, and the eternal principles of the Christian religion. Transfer students should complete general education requirements as soon as possible.

The academic major gives the student intensive work in the chosen field of specialization usually during the junior and senior years.

The program of electives allows the student to pursue a second field of specialization or to broaden the academic background by choosing a variety of courses from a number of fields.

Requirements for the Degree

The basic requirements for a bachelor's degree from Presbyterian College are:

- Successful completion of the required general education courses
- Completion of the requirements for an academic major
- Successful completion of 122 semester hours of college-level work with a minimum of 48 hours successfully completed at Presbyterian College (NOTE: credit-hour requirements in some majors may increase required hours to more than 122 for these areas of study)
- Completion of all academic work with 2.00 cumulative grade point average (GPA)
- Completion of the all courses used to complete the General Education requirements with a 2.00 cumulative GPA
- Completion of all major requirements with a 2.00 cumulative GPA.

To ensure these requirements are met, a senior audit will be completed no later than one full semester before the anticipated date of graduation by the registrar's office. Students completing degree requirements during spring term are required to participate in graduation ceremonies.

General Education Requirements

The curriculum includes a group of courses that are required of all students as prerequisite to the degrees conferred by Presbyterian College. It includes courses designed specifically for freshmen or new students and courses to broaden students' intercultural education as well as work in English composition and literature, fine arts, history, mathematics, natural sciences, physical education, religion, foreign languages, and social sciences.

The goals of the general education program are:

- To help students gain a basic knowledge of the humanities, natural sciences and mathematics, and social sciences and an ability to see these studies as part of the larger search for truth.
- To develop in students the ability to think clearly and independently, to make critical judgments, and to communicate effectively in both speech and writing.

- To foster in students an aesthetic appreciation of the arts and literature.
- To acquaint students with the teachings and values of the Christian faith.
- To assist students in gaining the perspective of the “other” and to become more aware of their global community.
- To encourage in students an appreciation for physical fitness and wellness that will contribute to lifelong health.
- To engage all first-year students with academic life and knowledge through the concepts of inquiry, critical thinking, and liberal learning.
- To provide experience that complements the traditional classroom environment in order to more intentionally connect students with the global community and with important issues that confront the human condition.
- To assist senior students in bringing together and integrating their educational experience and prepare to transition to life after college.

The general education requirements are the same for both the Bachelor of Arts and the Bachelor of Science degrees. A normal range of credit hours for general education requirements is 46-60 hours with credit hours in the major field ranging from 30-54 hours. No course may fulfill more than one general education requirement. The minimum requirements in general education are as follows:

Freshman Experience (1-3 hours): All freshmen entering PC in the fall term must take either a one-hour Freshman Seminar or a two- or three-hour Introduction-to-Inquiry (i2i) course in their first semester. Topics vary each fall but all emphasize critical thinking, communication, and small group experiences.

The goals for the first-year program are:

- Introduce students to critical thinking and liberal learning.
- Afford a unique experience that emphasizes the difference between high school and college.
- Assist students in the overall transition to PC by finding their place within the College.
- Provide the opportunity for students to engage faculty with whom they otherwise might not encounter.

Students who do not satisfactorily complete a freshman experience course must successfully complete one course selected from AFST 201, ART/ENGL 300, ARTH 410, ENGL 209, ENGL 314, ENGL 323, ENGL 343, ENGL 345, FILM 210, FILM 343, FREN 322, LAST 335, PORT 324, RELG 280, SOST 205, SOST 314, SPAN 318, or WGST 325 to substitute for it.

Intercultural / Internship Experience (4-6 hours): All students must fulfill an intercultural or internship requirement by studying abroad, completing coursework that provides an intercultural perspective, and/or completing a practicum experience that focuses on enhancing learning through internship opportunities. This experience will enable students to become more appreciative of the interconnectedness of the global community and the important issues that confront the human condition. By completing a four-to-six credit hours program, a student will:

- Incorporate his or her academic learning with a supervised experience outside the traditional classroom (internship, study abroad, research).
- Demonstrate transferable skills such as communication, critical thinking, adaptability, organization, and the ability to relate to others.
- Develop an appreciation for learning and prepare for a lifetime of personal and vocational fulfillment and responsible contribution to our democratic society and the world community.
- Gain self-awareness and respect for perspectives, communities, and value systems other than his or her own.

To satisfy this requirement, a student will earn four to six credit hours through intercultural or internship courses. These hours may be met within the major requirements. A student may choose from (1) a combination of classroom and experiential courses or (2) a study abroad or an extensive internship experience.

A student may select one option from 1A and one from 1B for a total of 4-6 hours:

1A: Coursework

- A global studies or intercultural course, not otherwise part of the general education requirements. Options include: AFST 201; ARTH 320; BADM 308; ECON 318, 320, 326, 341; ENGL 210, 324, 338, 341, 343, 345; FILM 210; HIST 3245, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3640, 3642; LAST 335; PLSC 301, 331, 332, 341, 342, 352, 361, 362, 370, 380, 387; RELG 220, 280, 310, 356; SOC 310, 360, 362, 364, 370; SOST 205; THEA 1401, 2103, or 2104; or WGST 325.
- Any modern foreign language course of three or more semester hours credit beyond the first semester of the intermediate level.

- Another course suggested by an academic department and approved by the General Education Committee and the Provost.

1B: Experiential

- An approved off-campus travel experience of less than one semester's duration.
- One approved internship or practicum earning between one and three semester hours credit.
- One approved research internship earning between one and three semester hours credit.
- Another experiential course suggested by an academic department and approved by the General Education Committee and the Provost.

Or, a student may select from one of the following:

2: Study Abroad or Internship Experience

- An approved study abroad experience of at least one semester's duration.
- One approved internship earning between four and six semester hours credit.
- An approved off-campus travel course or program earning at least four semester hours of credit that specifically addresses intercultural or global issues.
- Significant field experience earning between four and six semester hours credit (e.g., substantial service learning project) certified by a faculty supervisor, the Dean of Career Programs and Student Development, and the Director of International Programs, and approved by the General Education Committee.

Humanities (21-28 hours):

English: All students must satisfactorily complete six hours of English by completing ENGL 110 and 111. Students whose preparation in English needs strengthening are required to take ENGL 109. However, ENGL 109 does not count toward general education credit and is offered on a pass/fail basis.

Fine Arts: All students must satisfactorily complete three hours of fine arts chosen from courses in the departments of Art, Art History, Music, or Theatre. Courses must be selected from the following: ART 101, 110, 120, 291; ARTH 110, 120; MUSC 100, 102, 212, 213; or THEA 1000, 1200, 2100, or 2101.

Foreign Language: All students must satisfactorily complete up to seven hours of a foreign language sequence, completing 151/102 and 201 courses in Chinese, French, German, Portuguese, or Spanish. Students who earned two or more high school units will be placed in 151/102 or higher or, based on placement scores, may elect to take the 101 course. However, the 101 course does not count toward general education credit. Students may elect to start a language not previously studied. Language may also be completed through PC's Greek sequence through 401 for a total of nine hours or by transfer of course work through the first semester of the intermediate level from a regionally accredited institution in any other language approved by the department.

History: All students must satisfactorily complete six hours of history by completing HIST 1100 and 1101.

Religion: All students are required to satisfactorily complete six hours of religion by completing RELG 101 and 110.

Social Sciences (8-9 hours):

Social Sciences: All students must satisfactorily complete a minimum of six semester hours chosen from two departments from the selection of approved general education courses taught in Economics, Education, Geography, Political Science, Psychology, and Sociology. The courses are: ECON 201, 202; EDUC 201, 202; GEOG 301, 302; PLSC 201, 202; PSYC 201; SOC 201 or 207. Students electing to major in a social sciences discipline may count a general education course toward the major if a department lists the course as a major course.

Physical Education: All students are encouraged to fulfill their general education requirement in physical education during the freshman year. The requirement of 2-3 hours in physical education can be completed by taking either (1) PHED 1001 for one hour and one additional activity course offering of one hour or (2) PHED 225, a 3-hour course. Designated activity course offerings include PHED 1002 -1014.

Natural Sciences (11 hours):

Science: Students must satisfactorily complete any two 3-hour courses plus the associated 1-hour lab for a total of eight hours from the selection of approved general education courses in Biology, Chemistry, or Physics. These courses are: BIOL 105-105L, 106-106L, 112-112L; CHEM 100, 101-101L, 102-102L; PHYS 121-121L, 122-122L, 205, 211, 214-214L, or 215-215L. Applicable prerequisite restrictions must be met.

Mathematics: Students must satisfactorily complete one course in mathematics as listed in the current courses of study, pp 80-82.

Senior Capstone (1-3 hours): In addition to the above general education requirements, all students must complete a one-to-three-semester hour capstone course. Each major will identify a capstone course. Capstone courses may be taught in a single discipline or as an interdisciplinary experience.

Requirements for a Major

A candidate for the Bachelor of Arts (B.A.) degree will satisfactorily complete a program of study approved by a department in one of the following:

Art	Modern Foreign Languages
Art - Art History Concentration	Music
English	Political Science
English - Creative Writing Concentration	Religion
French	Religion - Christian Education
History	Spanish
International Studies	Theatre

To qualify for the Bachelor of Science (B.S.) degree, a student must complete a program of study approved by a department in one of these:

Biochemistry	Education – Elementary
Biology	Education – Middle School
Business Administration - Accounting	Mathematics
Business Administration - Economics	Music Education
Business Administration - Management	Physics
Chemistry	Physics - Medical
Economics	Psychology
Education – Early Childhood	Sociology

During the junior and senior years, each student is expected to pursue a program of intensive study in an area of concentration. The field of principal interest should be selected before the junior year. Students are responsible for developing the remainder of their academic programs with the counsel of an advisor in their major department.

All students are required to declare their major with the Registrar no later than the end of the first semester of the junior year.

A minimum of one-half of the hours required for a major must be taken at Presbyterian College.

Courses in the student's major field must be passed with a minimum grade of "C-." One grade of "D" or "D+" in major work may be allowed but no "F" will be allowed in required work in the major department. However, each department may designate up to two courses in which students must attain a grade of "C." Students must attain an overall GPA of 2.00 or better on all work presented for the major.

A second major or a minor in another field of study may be obtained by completing successfully the courses prescribed by the department of the second major or minor. However, a student may not add an additional program of study to his/her degree after the first degree has been awarded.

A student selecting two majors with the completion of 122 hours is awarded only one degree and must select either the B.A. or the B.S. For example, a student who wishes to major in English (normally a B.A. degree) and in biology (a B.S. degree) will receive one degree with the two majors.

A candidate who already holds a Presbyterian College degree or who is working simultaneously for two bachelor degrees shall earn a minimum of 152 semester hours with a 2.00 GPA.

A candidate who holds a bachelor's degree from another institution must satisfy the residence requirements on page 26 for the PC degree as well as the academic requirements that include general education and those for the major.

Requirements for a Minor

A minor in a field of study may be obtained by completing successfully at least fifteen hours of work to be selected at the discretion of the advisor and the student after consultation with the chair of the department in which the minor is selected. The department may specify additional requirements for a minor.

Courses in the student's minor field normally must be passed with a minimum grade of "C." One grade of "D" on minor department work may be allowed. However, each department may specify certain courses for a minimum performance of "C" and students must attain an overall average of "C" or better on all work presented for the minor. A minimum of one half of the hours required for a minor must be taken at Presbyterian College.

ACCOUNTING

Professor: Samuel L. Howell (Director)
Associate Professor: Cynthia B. Lucking

Requirements for the Minor in Accounting

Students who minor in accounting must complete eighteen hours, including ACCT 203, 311, 312, 328, and six hours chosen from ACCT 313, 335, 336, 338, 340, or 342.

Notes: See also major in Business Administration: Accounting Concentration.

AFRICANA STUDIES

Professors: Peter H. Hobbie and Booker T. Ingram (Director)
Assistant Professor: Margaret T. McGehee

Requirements for the Minor in Africana Studies

Students who minor in Africana studies must select eighteen hours chosen from AFST 201, 458; ENGL 209, 338; HIST 3245/RELG 356; MUSE 298; PLSC 301, 361; PLSC/SOC 370; PSYC/SOC 312; SOC 362, 364, or 366.

ART

Professor: Mark R. Anderson
Associate Professors: Laura J. Crary and Ralph H. Paquin (Chair)

Requirements for the Major in Art

Students majoring in art must complete forty-five hours, including ART 110, 120, 122, 391, 392, 491, and 492; ARTH 110 and 120; eighteen hours chosen from ART 230, 240, 260, 262, 280, 291, 292, 310, or 336; and six hours chosen from ARTH 210, 220, 221, 230, 245, 310, 320, 410, or ART/ENGL 300.

Notes: The Department reserves the right to retain at least one example of a student's work for its permanent exhibitions, with student's approval.

Requirements for the Major in Art with Art History Concentration

The major in art with an art history concentration requires a total of forty-two hours, including ART 110, 120, 122, 392, and 492; ARTH 110, 120, and 450; eighteen hours chosen from ARTH 210, 220, 221, 230, 240, 245, 258, 310, 320, 410, or 458; and three hours chosen from ART/ENGL 300, PHIL 322, or another cognate course approved by the major advisor.

Notes: The Department reserves the right to retain at least one example of a student's work for its permanent exhibitions, with student's approval.

Requirements for the Minor in Art

The minor in art requires eighteen hours, including ART 110, 120, 122, and nine additional hours of studio art elective credit chosen from ART 230, 240, 260, 292, 310, or 336.

Notes: The Department reserves the right to retain at least one example of a student's work for its permanent exhibitions, with student's approval.

ART HISTORY

Associate Professor: Laura J. Crary (Director)

Requirements for the Minor in Art History

Students who minor in art history must complete eighteen hours, including ARTH 110, 120, and twelve additional hours chosen from ARTH 210, 220, 221, 230, 240, 245, 258, 310, 320, 410, 458, or ART/ENGL 300.

ATHLETIC COACHING

Professor: Richard E. Newman (Director)

Requirements for the Minor in Coaching

This program is designed for students who seek to coach in youth, recreational, interscholastic, or intercollegiate settings. The minor requires a total of eighteen hours, including PHED 305, 306, 316, 385, and six additional hours in PHED electives taught at or above the 200-level.

BIOCHEMISTRY

Professor: Ronald J.C. Zimmerman

Associate Professor: Latha A. Gearheart (Director)

Assistant Professors: Shannon R. Alford and Stuart G. Gordon

Requirements for the Major in Biochemistry

Students who major in biochemistry must complete sixty-six to seventy hours, including BIOL 105-105L, 112-112L, and 334; BIOL/CHEM 307-307L and 308; CHEM 101-101L, 102-102L, 221-221L, 222-222L, 311, 380, 401-401L, and 450; zero to two hours of BIOL or CHEM 390, 440, 444*, or 448; MATH 201 and 202; PHYS 121-121L and 122-122L; and six to eight hours (two courses, with at least one from BIOL) chosen from BIOL 209, 304, 306, 311, 312, 318, 458; CHEM 312, 332, 342, 345, 402-402L**, or 458.

Notes: All students should take BIOL 112-112L. If a student has taken the general biology sequence 105-105L and 106-106L from PC, or its equivalent at another school, before declaring the biochemistry major, s/he must pass a qualifying examination given by the biology department. A grade of "C" or higher in BIOL 105-105L or its approved equivalent course is required to enroll in BIOL 112-112L. A grade of "C" or higher in BIOL 112-112L or its approved equivalent is required to enroll in any upper division biology course.

All students must complete the American Chemical Society General Chemistry Exam with a grade of 60 percent or higher to receive credit for Chemistry 102.

* Internship requires unanimous departmental approval.

** Students planning on attending graduate school in biochemistry or chemistry should take CHEM 402-402L.

BIOLOGY

Professors: John C. Inman, Michael O. Rischbieter, James T. Wetzel (Chair), and Ronald J.C. Zimmerman

Associate Professor: Troy R. Nash

Assistant Professors: Stuart G. Gordon, Jeffrey M. Grim, Tarren J. Shaw, and Suann Yang

Requirements for the Major in Biology

Students who major in biology must complete sixty-three to sixty-five hours, including BIOL 105-105L, 112-112L, 198, 199, 334, 399, 401, and 23-24 additional hours of BIOL coursework. This twenty-three to twenty-four hours must include at least one course each from BIOL 201, 202, 208, or 306; BIOL 203, 206, or 312; BIOL 209, BIOL/CHEM 307-307L, BIOL/CHEM 308, or BIOL 318; BIOL 302, 303, 304, or 311; BIOL 207, 212, 314, or 320; and a three to four hour elective chosen from any courses offered by the department (excluding internships). Students must complete the following related courses: CHEM 101-101L, 102-102L, and 221-221L; PHYS 121-121L and 122-122L; and MATH 201, MATH 210, MATH 211, or STAT 320. Pre-professional and pre-graduate school students are strongly advised to take CHEM 222-222L.

Notes: All students should take BIOL 112-112L. If a student has taken the general biology sequence 105-105L and 106-106L from PC, or its equivalent at another school, before declaring the biology major, s/he must pass a qualifying examination given by the biology department. A grade of "C" or higher in BIOL 105-105L or its approved equivalent course is required to enroll in BIOL 112-112L. A grade of "C" or higher in BIOL 112-112L or its approved equivalent is required to enroll in any upper division biology course

All students must complete the American Chemical Society General Chemistry Exam with a grade of 60 percent or higher to receive credit for Chemistry 102.

Requirements for the Major in Biology with Minor in Secondary Education Certification to Teach High School Biology/Science

Students who wish to be certified to teach biology/science in the high school setting must meet the requirements for the major in biology, including BIOL 105-105L, 112-112L, 198, 199, 203, 209, 314, 335, 399, and 401; four hours selected from BIOL 201 or 202; four hours selected from BIOL 302, 304, or 311; four hours in BIOL electives; CHEM 101-101L, 102-102L, and 221-221L; PHYS 121/121L, 122/122L, and 211. Additionally, students must complete the

minor in secondary education and all other requirements for teacher certification and acceptance into the Teacher Education Program for a total of 102 hours. See pages 37-39 for more information.

Notes: All students should take BIOL 112-112L. If a student has taken the general biology sequence 105-105L and 106-106L from PC, or its equivalent at another school, before declaring the biology major, s/he must pass a qualifying examination given by the biology department. A grade of "C" or higher in BIOL 105-105L or its approved equivalent course is required to enroll in BIOL 112-112L. A grade of "C" or higher in BIOL 112-112L or its approved equivalent is required to enroll in any upper division biology course.

All students must complete the American Chemical Society General Chemistry Exam with a grade of 60 percent or higher to receive credit for Chemistry 102.

Requirements for the Minor in Biology

The minor in biology consists of nineteen hours, including BIOL 105-105L, 106-106L or 112-112L, and eleven elective hours chosen from BIOL electives taught at or above the 200-level (excluding BIOL 399).

Notes: All students should take BIOL 112-112L. If a student has taken the general biology sequence 105-105L and 106-106L from PC, or its equivalent at another school, before declaring the biology minor, s/he must pass a qualifying examination given by the biology department. A grade of "C" or higher in BIOL 105-105L or its approved equivalent course is required to enroll in BIOL 112-112L. A grade of "C" or higher in BIOL 112-112L or its approved equivalent is required to enroll in any upper division biology course.

BUSINESS ADMINISTRATION

Professors: Samuel L. Howell, Jody W. Lipford, Jerry K. Slice, Suzanne J. Smith (Chair), and Foard H. Tarbert

Associate Professors: Cynthia B. Lucking and Norman M. Scarborough

Assistant Professor: J. Tobin Turner

Requirements for the Major in Business Administration with Accounting Concentration

Students who major in business administration with accounting concentration must complete a total of fifty-four hours, including ACCT 203, 311, 312, 313, and 328; BADM 299, 301, 307, 315, 332, 351, and 352; ECON 201* and 202*; STAT 319*; three hours of international business electives chosen from BADM 308, ECON 318, ECON 320, ECON 326, ECON/PLSC 341, or other international business elective approved by the department chair; and six hours of ACCT electives chosen from 335, 336, 338, 340, or 342.

Requirements for the Major in Business Administration with Economics Concentration

Students who major in business administration with economics concentration must complete a total of fifty-one hours, including ACCT 203, ACCT 204 or 328; BADM 299, 301, 307, 315, 332, 351, and 352; ECON 201*, 202*, 310 and 330; three hours of international business electives chosen from ECON 318, ECON 320, ECON 326, ECON/PLSC 341, or other ECON international business course approved by the department chair; STAT 319*; and six additional hours of ECON electives taught at or above the 300-level.

Requirements for the Major in Business Administration with Management Concentration

Students who major in business administration with management concentration must complete a total of fifty-one hours, including ACCT 203, ACCT 204 or 328; BADM 299, 301, 307, 315, 332, 351, and 352; ECON 201* and 202*; STAT 319*; three hours of international business electives chosen from BADM 308, ECON 318, ECON 320, ECON 326, ECON/PLSC 341, or other international business elective approved by the department chair; and twelve additional elective hours taught at or above the 300-level in BADM or ECON. ACCT 340 may also count towards these electives.

Notes: * "D" rule does not apply. See page 33 for more information.

Requirements for the Minor in Business Administration

The minor in business administration consists of eighteen hours, including ACCT 203, ECON 201, ECON 202, and nine hours of BADM elective courses taught at or above the 300-level.

Notes: See also minor in Accounting.

CHEMISTRY

Professor: A. Craig Powell

Associate Professors: Latha A. Gearheart (Chair) and Walter R. Ott

Assistant Professor: Shannon R. Alford

Requirements for the Major in Chemistry

The major in chemistry consists of fifty-five to fifty-eight hours, including CHEM 101-101L, 102-102L, 221-221L, 222-222L, 311, 312, 380, 401-401L, 402-402L, and 450; seven hours chosen from BIOL/CHEM 307-307L***, BIOL/CHEM 308***, CHEM 322-322L, CHEM 332, CHEM 342, CHEM 345, CHEM 352, or CHEM 458; zero to three hours in research** from CHEM 398, 440, 444*, or 448; MATH 201 and 202; and PHYS 121-121L and 122-122L.

Notes: All students must complete the American Chemical Society General Chemistry Exam with a grade of 60 percent or higher to receive credit for Chemistry 102.

* CHEM 444 must be a departmentally approved research internship.

** Students enrolling in less than 3 hours of research (and accumulating less than 58 hours of major requirements) must take CHEM 440.

*** Only one semester of biochemistry may count toward the major.

Requirements for the Minor in Chemistry

Students who minor in chemistry must complete twenty hours, including CHEM 101-101L, 102-102L, 221-221L, 222-222L, and a minimum of four semester hours selected from BIOL/CHEM 307-307L, BIOL/CHEM 308, CHEM 311, CHEM 322-322L, CHEM 332, CHEM 342, CHEM 345, CHEM 352, or CHEM 401.

Notes: All students must complete the American Chemical Society General Chemistry Exam with a grade of 60 percent or higher to receive credit for Chemistry 102.

CHINESE STUDIES

Associate Professors: Roy B. Campbell (Director) and Z, David Liu

Visiting Instructors: Louis Liu, Manjiang Tang, and Jing Yang

Requirements for the Minor in Chinese Studies

Students who minor in Chinese studies must complete eighteen hours, including CHIN 201 and fifteen additional hours from any CHIN course above 201; any CHST course; HIST 3610, 3611, 3640; or PLSC 352. At least one course must be taken from each department.

COMPUTER SCIENCE

Associate Professors: M. Paige Meeker (Director) and Wayne A. Smith

Requirements for the Minor in Computer Science

The minor in computer science consists of eighteen hours, including CSC 241, 242, and ten additional hours of CSC electives.

CREATIVE WRITING

Professors: G. Terry Barr and Lesley J. Preston

Associate Professors: J. Justin Brent and Miriam L. Ragland

Assistant Professor: Robert E. Stutts (Director)

Requirements for the Minor in Creative Writing

Students minoring in creative writing must complete eighteen hours, including ENGL 110, 111, 333; three hours of creative writing workshop course work selected from 215, 216, or 217; and six additional hours chosen from ENGL 215, 216, 217 (if not chosen for workshop credit); ENGL 219, 258, 332, 398, 442, 444; THEA 3000, 3001; or other appropriate courses as approved by the creative writing director.

Notes: See also major in English: Creative Writing Concentration.

ECONOMICS

Professors: Samuel L. Howell, Jody W. Lipford, Jerry K. Slice, Suzanne J. Smith (Chair), and Foard H. Tarbert

Associate Professors: Cynthia B. Lucking and Norman M. Scarborough

Assistant Professor: J. Tobin Turner

Requirements for the Major in Economics

Students majoring in economics must complete a total of thirty-eight hours, including ACCT 203; BADM 299; ECON 201, 202, 310, 330, and 440; MATH 201 or 211; STAT 319; and twelve additional elective hours from ECON taught at or above the 300-level. BADM 332 or BADM 351 may also count towards the elective requirements.

Requirements for the Minor in Economics

The minor in economics consists of eighteen hours, including ECON 201, 202, 310, 330, and six additional hours of ECON elective courses taught at or above the 300-level.

EDUCATION

Associate Professor: Debra S. Lee (Chair)

Assistant Professors: Julie B. Smart and Thomas D. Wacker

Students who plan to pursue a program of studies leading to initial licensure must submit a formal application to the Education Department. Applications are submitted at two times during the sophomore year: September 20th and February 15th. Students must be admitted to the Education Department to enroll in 300- or 400-level education courses (with the exception of EDMS 341 and EDUC 371).

Students who are not admitted to the Teacher Education Program by August 15th of the sophomore year must submit a request to the department chair to receive permission to take 300- or 400-level education courses.

Criteria used in determining acceptance into the professional program include:

1. Completed teacher education application, including a successful South Carolina Law Enforcement Division background check as required by the SC Education Department.
2. Completion of 45 semester hours
3. A cumulative 2.5/4.0 GPA (on all PC coursework and all coursework that counts towards graduation)
4. Declared program of study on file in the PC Registrar's Office.
5. Passing scores on all sections of the Praxis I examination, ACT or SAT South Carolina Exemption (scores are to be submitted with the Teacher Education Program application).

The Teacher Education Committee will make the final decision on all admissions to the Teacher Education Program. A letter notifying the candidate of the committee's decision will be sent by the Education Department. Questions or concerns regarding an applicant's status may be directed to the Chair of the Education Department.

Once admitted to the Teacher Education Program, candidates are required to complete all required course work and college requirements prior to student teaching. However, in the event there are course-scheduling problems, no more than two courses for a maximum of eight hours may be taken after student teaching is completed, provided the student has met all other graduation requirements. Students are encouraged to check the program requirements and to plan carefully as they develop their plans for obtaining teacher certification. Students should be aware of the off-campus time required during the student teaching experience and must complete all college requirements prior to the student teaching semester.

Early and frequent consultation with Department of Education faculty is recommended. The Teacher Education Handbook contains additional information and can be found on the Education Department's website.

Education Program Completers

The Department of Education will provide recommendation for educator certification to the South Carolina Department of Education upon successful completion of all requirements. A "program completer" is a candidate who has met all of the program requirements specified by Presbyterian College's Teacher Education Program.

Requirements for the Major in Education: Early Childhood

Students majoring in early childhood education must complete sixty-one hours, including EDUC 201, 350, 371, and 440; EDEC 303, 304, 311, 391, 392, 393, 394, 408, 409, and 410; EDEL 306, 312, and 313; PSYC 212 and 303; six hours chosen from ART 280, EDEC 310, MUSC 307, or PHED 310; and a minimum of three hours chosen from HIST

3240, HIST 3245/RELG 356, MUSC 212, SOC 360, SOC 364, an approved Maymester course, or a semester-long study abroad program.

Requirements for the Major in Education: Elementary

Students majoring in elementary education must complete sixty-five hours, including ART 280; EDUC 201, 350, 371, 391, 392, 393, and 440; EDEC 311; EDEL 305, 306, 312, 313, 394, 405, 406, and 407; GEOG 301; MUSC 307; PHED 310; PSYC 212 and 303.

Elementary education majors must also take a total of twelve hours of science content (eight hours for general education and four hours for the major). Students considering Elementary Education must take PHYS 211, four hours in approved BIOL course work, and four additional hours in either CHEM or PHYS.

Requirements for the Major in Education: Middle School

Students who wish to teach at the middle school level will earn a B.S. in Middle School Education with a concentration in two of the following areas: language arts, mathematics, science, or social studies. A common core of professional courses totaling forty-three hours is required of all students, and includes EDUC 201, 350, 371, 391, 392, 393, and 440; EDMS 341, 342, 394, 410, 411, and 412; PSYC 201, 213, and 303. Additional professional courses and courses specific for each area of concentration are listed below.

Concentration in Language Arts:

Students completing a concentration in language arts must complete seventeen additional hours, including EDMS 400; ENGL 219 and 313; three hours chosen from ENGL 201, 202, 203, 206, 207, or 209; three hours from ART/ENGL 300, ENGL/FILM 323, or ENGL/FILM 210; and three hours from ENGL 322, ENGL 324, ENGL 334, ENGL 338, ENGL/FILM 341, ENGL/FILM 343, ENGL 345, or ENGL 347.

Concentration in Mathematics:

Students completing a concentration in mathematics must complete twenty additional hours, including EDMS 403 and MATH 201, 202, 210, 221, 308, and 309. It is crucial that prospective middle school education majors planning a concentration in math take MATH 201 and MATH 221 no later than their sophomore year.

Concentration in Science:

Students seeking a concentration in science must complete twenty-two additional hours, including EDMS 402; BIOL 105-105L and 106-106L; CHEM 101-101L; PHYS 121-121L and 211.

Concentration in Social Studies:

Students seeking a concentration in social studies must complete fourteen additional hours, including EDMS 401; GEOG 301 or 302; HIST 2200 and 2201; and PLSC 201 or 202.

Requirements for the Minor in Education: Secondary

In order to teach in a secondary school setting, a student will major in the teaching area of interest (i.e., science, English, history, or mathematics) and will minor in secondary education. Students seeking the minor and Certification in Secondary Education must complete thirty-seven hours, including EDSD 301, 302, 394, 400, 401, 402, and 403; EDUC 201, 350, 371, 391, 392, and 393; and PSYC 213.

Students who wish to be certified to teach social studies in the high-school setting must meet the requirements for the major in history. See page 40 for additional information.

Students who wish to be certified to teach science in the high school setting must meet the requirements for the major in biology. If you are considering secondary biology education take PHYS 211 (Earth Science) as well as your other required science general education courses. See page 35 for additional information.

ENGLISH

Professors: G. Terry Barr, Lynne M. Simpson, and H. Dean Thompson

Associate Professor: J. Justin Brent (Chair)

Assistant Professors: Margaret T. McGehee, Robert E. Stutts, and Emily L. Taylor

Instructor: Jerry J. Alexander

Requirements for the Major in English

The major in English requires thirty-three hours taught at or above the 200-level, including ENGL 420; three hours selected from ENGL 208, 213, or 219; nine hours selected from ENGL 201, 202, 203, 206, 207, 209, or ENGL/FILM 210; three hours of 300- or 400-level Medieval or Renaissance literature selected from ENGL 317, 318, 325, or 350;

three hours of 300- or 400-level 18th or 19th century literature chosen from ENGL 305, 306, 329, 336, or 361, three hours of 300- or 400-level pre-1900 literature chosen from ENGL 305, 306, 317, 318, 325, 329, 336, 350, or 361; three hours of 300- or 400-level post-1900 literature chosen from ENGL 313, 314, 315, 322, 324, 334, 338, 341, 343, 345, 347, 356, 365, or 371; and six hours of ENGL electives.

Requirements for the Major in English with Creative Writing Concentration

Students majoring in English with a concentration in creative writing must complete thirty-three hours taught at or above the 200-level, including ENGL 420; three hours selected from ENGL 208, 213, or 219; nine hours selected from ENGL 201, 202, 203, 206, 207, 209, or ENGL/FILM 210; three hours of 300- or 400-level pre-1900 literature chosen from ENGL 305, 306, 317, 318, 325, 329, 336, 350, or 361; three hours of 300- or 400-level post-1900 literature selected from ENGL 313, 314, 315, 322, 324, 334, 338, 341, 343, 345, 347, 356, 365, or 371; six hours selected from ENGL 215, 216, or 217; three hours selected from ENGL 215, 216, 217, 219, 258, 332, 398, 442, 444, THEA 3000, THEA 3001, or other appropriate courses as approved by the creative writing director; and three hours chosen from ENGL 333 or 398.

Requirements for the Major in English with Minor in Secondary Education

Certification to Teach High School English

A student who wants to be certified to teach English in the high school setting must complete thirty-three hours of ENGL course work taught at or above the 200-level, including ENGL 219, 313, 350, 381, and 420; ENGL 208 or 213; nine hours selected from ENGL 201, 202, 203, 206, 207, or 209; three hours of 300-400-level pre-1900 literature chosen from ENGL 305, 306, 317, 318, 325, 329, 336, 350, or 361; and three hours of 300- or 400-level post-1900 literature selected from ENGL 322, ENGL 324, ENGL 334, ENGL 338, ENGL/FILM 341, ENGL/FILM 343, ENGL 345, or ENGL 347. In addition, students must complete all other courses required for teacher certification and meet the criteria for acceptance into the Teacher Education Program. See pages 37-39 for more information.

Requirements for the Minor in English

Students who minor in English must complete eighteen hours, including ENGL 110 and 111; three hours chosen from ENGL 201, 202, 203, 206, 207, 209, or ENGL/FILM 210; three hours chosen from 300- or 400-level literature courses; and six hours of ENGL electives.

ENVIRONMENTAL STUDIES

Professors: John C. Inman (Director) and Jerry K. Slice

Associate Professor: James J. Thompson

Requirements for the Minor in Environmental Studies

Students who minor in environmental studies must complete nineteen hours, including BIOL 215-215L and fifteen hours of approved coursework or independent studies chosen from BIOL 201, 202, 206, 207, 216, 314; ECON 306; PHIL 317; or other appropriate courses as approved by the environmental studies advisor.

FILM STUDIES

Professors: G. Terry Barr, Mark R. Cox, Chad W. Helms (Director), and H. Dean Thompson

Associate Professor: Clinia M. Saffi

Assistant Professor: Julie M. Meadows

Requirements for the Minor in Film Studies

The minor in film studies consists of eighteen hours, including ENGL/FILM 210 and fifteen additional hours chosen from ART/ENGL 300; ENGL/FILM 320, 323, 327, 341, 343; FILM/PHIL 335; FREN 322; GERM 420; HIST 3640, 3641; LAST/SPAN 318, 350; or PORT/SPAN 324.

FRENCH

Professor: Chad W. Helms

Associate Professor: Patrick D. Kiley (Director)

Requirements for the Major in French

Students who major in French must complete twenty-eight hours taught at or above the 200-level, including FREN 201, 202, 301, 302, 333, 391, 410, and 440; three hours of FREN literature electives taught at 400-level; and three hours of FREN electives. Although French courses taken in a study abroad program may count toward the major hours, at least two courses (FREN 333 and one 400-level literature course) must be taken on campus at Presbyterian College. One semester or junior year of study abroad in France is recommended for all majors.

Requirements for the Minor in French

Students who minor in French must complete eighteen hours of FREN electives taught at or above the 200-level. One semester or junior year of study abroad in France is recommended for all minors.

HISTORY

Professors: Anita O. Gustafson and Richard R. Heiser

Associate Professors: Roy B. Campbell (Chair) and Michael A. Nelson

Assistant Professor: Stefan W. Wiecki

Visiting Professor: Sara E. Lampert

Requirements for the Major in History

The major in history requires a total of thirty hours, including HIST 2200, 2201, 4000, and 4001; three hours chosen from HIST 2400, 2401, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3440, 3441, 3442, 3443, 3444, 3445, 3446, or 3470; three hours chosen from 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3640, 3641, 3642, or 3670; and twelve hours in HIST electives taught at or above the 2000-level. Additionally, students must choose a second major or a minor in an approved area.

Students who seek honors in history must complete an additional nine hours in HIST electives, including HIST 4003.

Requirements for the Major in History with Minor in Secondary Education

Certification to Teach High School Social Studies

Students who wish to be certified to teach social studies in the high-school setting must meet the requirements for the major in history, including HIST 2200, 2201, 2401, 3240, 4000, and 4001; three hours chosen from HIST 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3640, 3641, 3642, or 3670; nine hours of HIST electives taught at or above the 2000-level; ECON 201 or 202; GEOG 301; PLSC 201 or 202; PSYC 213; and SOC 201 or 207. Additionally, students must complete the minor in secondary education and all other requirements for teacher certification and acceptance into the Teacher Education Program for a total of seventy-nine hours. See pp. 38-39 for more information.

Requirements for the Minor in History

Students who minor in history must complete eighteen hours in HIST electives taught at or above the 2000-level.

INTERNATIONAL STUDIES

Professor: Suzanne J. Smith

Associate Professors: Roy B. Campbell and Patrick D. Kiley (Director)

Assistant Professor: Stefan W. Wiecki

Requirements for the Major in International Studies

The major in international studies consists of a minimum of forty hours, including three hours chosen from BADM 308, ECON 318, ECON 320, or ECON 326; three hours of non-United States HIST electives taught at or above the 3000-level; three hours chosen from ECON 355, ECON/PLSC 341, PLSC 331, PLSC/SOC 370, SOC 380, or SOC 387; three hours selected from ARTH 110, ARTH 120, EDUC 202, ENGL 203, ENGL/FILM 210, MUSC 212, MUSC 360, MUSC 361, RELG 220, or RELG 310; three hours from one modern foreign language course above the 201 level; twelve hours selected from one thematic specialization; twelve hours selected from one regional specialization; and INTL 440. A one semester study abroad experience is required for all majors.

Notes:

- No more than fifteen hours of coursework can overlap with another single major's classes.
- Students may not receive both General Education and INTL major credit for the same course.
- Any course counts only once towards the major, even though it might be listed several times.
- Study abroad courses on an approved semester or year-long program through PC may be applied to thematic specialization, regional specialization, or the study abroad experience.

Requirements for the Minor in International Studies

The minor in international studies consists of a minimum of eighteen hours, including three hours from one modern foreign language course above the 201 level; a minimum of six hours from one thematic specialization; a minimum of six hours from one regional specialization; and a minimum of three hours from a study abroad experience.

Notes:

- No more than six hours of coursework can overlap with another single major or minor.
- Students may not receive both General Education and INTL minor credit for the same course.
- Study abroad courses on an approved semester or year-long program through PC may be applied to thematic specialization, regional specialization, or the study abroad experience.

Options for Thematic Specializations for the Major and Minor in International Studies:

History, Culture and Society: ARTH 110; EDUC 202; ENGL 203; ENGL/FILM 210; GEOG 301; FREN 322, 333, 401, 402, 403, 404, 405, 406, 410; GERM 321, 322, 405, 410, 420, 440; any non-United States HIST course at or above 3000-level; LAST/SPAN 318; MUSC 212, 360, 361; PORT/SPAN 324; SOC 310, 360; SPAN 315, 316, 321, 322, 331, 332, or 343

International Business: BADM 308; ECON 318, 320, 326; ECON/PLSC 341; or SPAN 341

International Politics and Diplomacy: ECON/PLSC 341; GEOG 301; HIST 3641; LAST/SPAN 318, or PLSC 332.

Options for Regional Specializations for the Major and Minor in International Studies:

Europe and Russia: ARTH 110, 120, 220, 240, 245, 310, 410; ENGL 201, 202, 305, 306, 317, 318, 325, 329, 350, 361; FREN 322, 333, 401, 402, 403, 404, 405, 406, 410; GEOG 301; GERM 321, 322, 405, 410, 420, 440; HIST 3411, 3412, 3413, 3414, 3415, 3416, 3410, 3440, 3442, 3443; MUSC 212, 360, 361; PLSC 355, 380; PORT/SPAN 324; SPAN 300, 315, 321, 322, or 341

Africa: ENGL 324; ENGL/FILM 341; MUSC 212; RELG 310; or SOC 360

Asia and the Pacific: ENGL/FILM 210; ENGL 324, ENGL/FILM 341, 343; HIST 3610, 3611, 3612, 3640; MUSC 212; RELG 310; or SOC 360

Middle East: ENGL 324; HIST 3613; HIST 3441/RELG 357; MUSC 212; PLSC 387; or RELG 310

Latin America and the Caribbean: ARTH 320; HIST 3614, 3615, 3616, 3617, 3642; LAST/SPAN 318; LAST 324, 335; PORT/SPAN 324; MUSC 212; PLSC/SOC 370; SPAN 316, 331, 334, or 341.

LATIN AMERICAN STUDIES

Professor: Mark R. Cox (Director)

Associate Professors: Laura J. Crary and Clinia M. Saffi

Requirements for the Minor in Latin American Studies

The minor in Latin American studies requires eighteen hours, including LAST 335 and fifteen additional hours chosen from ARTH 320; LAST/SPAN 318, 350; PLSC 362; PLSC/SOC 370; PORT/SPAN 324; SPAN 316, 331, and 332.

MARINE STUDIES

Professor: James T. Wetzel (Director)

Requirements for the Minor in Marine Studies

Students who minor in marine studies must take any combination of approved coursework or independent studies for a combination of nineteen hours (eleven to thirteen hours in addition to general courses within a major). Suitable courses within the biology major are: BIOL 201, 216; approved courses taken at The Gulf Coast Research Laboratory (e.g., Marine Science I; Marine Science II; three to five hours of advanced courses such as Marine Policy, Writing in Marine Sciences, Ichthyology, Marine Ecology, or an independent study); approved courses taken at Duke Marine Laboratory; approved transfer courses (e.g., marine courses taken at James Cook University in Australia or other PC-affiliate institutions abroad or courses from established marine programs such as the College of Charleston); marine-related

Maymester courses; special studies in marine science (e.g., on-campus work such as BIOL 442, 444, 448, 452, and 458); research at a specific independent laboratory; studies at the Belle Baruch Marine Lab/Hobcaw Barony; research at the Gulf Course Research Laboratory; approved interdisciplinary coursework at PC such as CHEM 442.

MATHEMATICS

Professors: Brian D. Beasley, Gregory D. Goeckel, and C. Clinton Harshaw (Chair)

Associate Professors: Douglas S. Daniel and Kara L. Shavo

Requirements for the Major in Mathematics: Traditional Mathematics Concentration

For students who wish to prepare for graduate school or to pursue a mathematically oriented professional career, the major in mathematics with traditional mathematics concentration consists of forty-five hours, including MATH 202*, 221*, 222, 301, 302, 305, 307, 309, 313, 314, 405, 406, 440, and six additional hours of MATH electives taught at or above the 300-level.

Requirements for the Major in Mathematics: Applied Mathematics Concentration

For students who wish to combine a strong background in mathematics with in-depth study in another area, the mathematics with applied mathematics concentration consists of thirty-nine to forty hours, including MATH 202*, 221*, 222, 301, 302, 307, 311, 401, and 440; MATH 305 or CSC/MATH 350; MATH 210 or STAT 319; and six additional hours of MATH elective taught at or above the 300-level.

Students who choose this major must select an additional major or minor in one of the natural or social sciences, namely accounting, biology, business administration, chemistry, computer science, economics, physics, political science, psychology, or sociology.

Requirements for the Major in Mathematics with a Minor in Secondary Education

Certification to Teach High School Mathematics

For students who want to be certified to teach mathematics in the high school setting, the mathematics education major requires a total of sixty-eight hours, including MATH 201, 202*, 210, 221*, 301, 302, 307, 308, 309, 313, and 441. Additionally, students must complete the minor in secondary education and all other requirements for teacher certification and acceptance into the Teacher Education Program. See pp. 38-39 for more information.

Candidates are highly encouraged to consult with their faculty advisor in the Department of Mathematics within their freshman year.

Notes: Math majors must make a grade of "C" or better in MATH 202 and 221. It is highly recommended that students complete MATH 221 no later than their sophomore year.

Requirements for the Minor in Mathematics

Students minoring in mathematics must complete eighteen hours, including MATH 201, 202, 221, 301, and six additional hours of MATH electives taught at or above the 300-level.

MEDIA STUDIES

Professors: Mark R. Anderson, G. Terry Barr (Director), Samuel L. Howell, Jody W. Lipford, Jerry K. Slice, and Suzanne J. Smith

Associate Professor: Norman M. Scarborough

Assistant Professor: J. Tobin Turner

Requirements for the Minor in Media Studies with Business Concentration

The minor in media studies with the business concentration requires completion of twenty-one to twenty-four hours, including ACCT 203; ART/ENGL 300; BADM 307 and 353; ECON 201; an internship of three to six hours (MDST 444); and three hours selected from BADM 325, or SPCH 201.

Requirements for the Minor in Media Studies with Journalism Concentration

The minor in media studies with the journalism concentration requires completion of eighteen hours, including ART/ENGL 300 and fifteen to sixteen hours of journalism taken with the Washington Semester Program. (See the Associate Dean of Career Services and Student Programs or the Department of English for information on the Washington Semester Program.)

MILITARY SCIENCE AND LEADERSHIP

Professor Lieutenant Colonel: Brian Donley (Chair)

Instructor Master Sergeant: Timothy D. Cripe

Instructor Sergeant First Class: Shawn T. Eaton

Requirements for the Minor in Military Science

Students minoring in military science must complete fifteen semester hours in advanced military science. Participation in this minor is contingent upon completion of the ROTC basic courses or equivalent training and acceptance as a contracted student in ROTC basic courses or equivalent training and acceptance as a contracted student in the Army ROTC Advanced Course. Required courses include MILS 301 and 302; HIST 3243; three hours selected from CSC 201, BADM 325, BADM/PSYC 322, or PHIL 203; and three hours selected from PLSC 201, 202, or 332.

MODERN FOREIGN LANGUAGES

Professors: Mark R. Cox (Director) and Chad W. Helms

Associate Professors: Patrick D. Kiley, Sharon E. Knight, Margarita M. Ramirez, and Clinia M. Saffi

Visiting Instructors: Louis Liu, Manjiang Tang, and Jing Yang

Requirements for the Major in Modern Foreign Languages

Students who major in modern foreign languages must complete a total of eighteen hours taught at or above the 200-level in each of two languages (French and Spanish) and either FREN or SPAN 440, for a total of thirty-seven hours.

MUSIC

Professor: J. Porter Stokes (Chair)

Associate Professors: Karen W. Buckland, Ron A. Davis, and Richard E. House

Assistant Professors: A. Christian Elser and Richard B. Thomas

Requirements for the Major in Music

Students who major in music must complete forty-eight hours, including MUSC 103-103L, 104-104L, 150, 201-201L, 202-202L, 360, 361, 401, 410 and 440; MUSA 171, 172, 271, 272, 371, 372, 471, and 472; MUSE 290, 293, or 294 each term for a minimum of six terms; MUSE 260, 265, 271, 276, 295, 296, or 297 for a minimum of four terms; and a minimum of seven satisfactory terms of MUSC 199. In addition, students must pass the second-year review and satisfy the piano proficiency requirement.

Requirements for the Major in Music: Education

Certification to Teach Music, K-12

Students who wish to be certified to teach music in grades K-12 must complete eighty-two to eighty-three hours, including MUSC 103-103L, 104-104L, 150, 201-201L, 202-202L, 309, 313, 314, 330, 331, 332, 360, 361, 397, 402, 410, and 440; MUSA 100G or MUSC 115; MUSE 290, 293 or 294 each term for a total of six hours; MUSE 260, 265, 271, 276, 295, 296, or 297 for a total of four terms; and a minimum of seven satisfactory terms of MUSC 199. Music education majors must take at least one course in art, dance, or theatre. In addition, these students must pass the second-year review and satisfy the piano proficiency requirement.

Students must also complete MUSA 171, 172, 271, 272, 371, 372, and 471. For vocal/choral majors, the primary instrument must be voice or piano/organ. If voice, the piano becomes the secondary. If piano/organ, then voice becomes the secondary. For instrumental majors, the primary instrument will be chosen from woodwind, string, brass, or percussion. Instrumental majors must take MUSC 313 A&B, 314 A&B to provide a basic performing competency, exposure to methodologies and pedagogies, and teaching experience in all classes of instruments.

For teacher certification, students must complete EDUC 201 and 350; MUSC 330L, 331L, 332L, 411, 412, and 413; PSYC 212 or 213; PSYC 303; and appropriate directed teaching courses for the early childhood, middle school, or secondary education level. Additionally, students must meet all criteria for acceptance into the Teacher Education Program. See pp. 38-39 for more information.

Additional Requirements of Music Majors:

- **Diagnostic Exams:** Diagnostic exams are administered in music theory, performance, and keyboard skills.
- **Applied Music:** Applied music lessons in brass, guitar, bagpipes, harpsichord, hand bells, jazz, organ, percussion, piano, strings, woodwinds, composition, and voice are available through the Department of Music. See page 16 for information regarding special fees for applied music lessons.
- **Piano Proficiency:** All music majors must take a keyboard diagnostic exam before beginning piano study. After assignment to class or private instruction, students should seek to satisfy the piano proficiency requirements no later than the end of the sophomore year.
- **Proficiency in Music Technology and Ear-training/Sight-singing:** Proficiency in these two areas currently reside within the music theory sequence (MUSC 103-103L through 202-202L) and upper division music theory (MUSC 303, 402, and 410).

Requirements for the Minor in Music

The minor in music requires twenty hours, including MUSC 102, 103-103L, 104-104L; MUSA 100 in the primary applied instrument/voice for four semesters; major ensembles (MUSE 290, 293, or 294) for four terms; MUSC 199 for no fewer than four satisfactory terms; and three additional hours in consultation with a music minor advisor.

Requirements for the Minor in Music: Performance

Students minoring in music performance must take eighteen hours, including MUSA 381, 382, 481, 482; MUSC 497; MUSE 290, 293, or 294 for two additional terms beyond those required by the major; MUSE 260, 265, 271, 276, 294, 295, 296, or 297 for four additional terms beyond those required by the major; and nine additional hours in focused performance-oriented or pedagogical study with approval of advisor (options include but are not limited to directed studies, pedagogy courses, internships in applied teaching, opera and music theatre experiences, diction, applied study in other instruments/voice, etc.). Students pursuing this minor must also declare a major in music.

Requirements for the Minor in Music: Sacred

Students minoring in sacred music must complete twenty hours, including MUSC 304, MUSC/RELG 344, and MUSC/RELG 404; a one- to three-hour internship in sacred music; two hours of additional ensembles beyond those required by the major; and six to eight additional hours in focused study in sacred music with approval of advisor including, but not limited to, courses in conducting, diction, accompanying, additional private applied studies, etc.

Requirements for the Minor in Music: Theory/Composition

Students who minor in music theory/composition must complete seventeen hours, including MUSC 221, 303, 402, 442 (analysis and composition projects), 452 (composition project and public performance), and MUSA 470 for four terms. Students pursuing this minor must also declare a major in music.

PHILOSOPHY

Associate Professor: James J. Thompson (Director)

Assistant Professor: Julie M. Meadows

Requirements for the Minor in Philosophy

Students who minor in philosophy must complete eighteen hours including PHIL 205, 301, 304, and nine additional hours of PHIL electives.

PHYSICS

Associate Professor: James A. Wanliss (Director)

Assistant Professor: Chad L. Rodekohr

Requirements for the Major in Physics

Students who major in physics must complete fifty-eight to fifty-nine hours, including CHEM 101-101L and 102-102L; CSC 241 or 250; MATH 201, 202, 301, 302, and 401; PHYS 121-121L or 214-214L; PHYS 215-215L, 216, 302, 303, 311, and 350; and nine hours of PHYS electives at the 300-level or above.

Notes: If a student has taken general physics 121-121L or physics with calculus 214-214L from PC, or its equivalent at another school, before declaring the physics major, s/he must pass a qualifying examination given by the physics department. A grade of "C-" or higher in PHYS 121-121L or its approved equivalent course is required to enroll in PHYS 215-215L. A grade of "C-" or higher in PHYS 215-215L or its approved equivalent is required to enroll in any upper division physics course and the student must pass a qualifying examination given by the physics department.

Requirements for the Major in Physics: Engineering Dual Degree Program

Students participating in this program will be expected to complete all Presbyterian College general education requirements while in residence. In addition, students must complete forty-five to forty-six hours, including CHEM 101-101L and 102-102L; CSC 241 or 250; MATH 201, 202, 301, 302, and 401; PHYS 121-121L or 214-214L; PHYS 215-215L, 216, and 260; and three hours chosen from PHYS 302, 303, or 311.

Students entering a dual-degree program should be aware of stipulations from other institutions regarding transfer work, i.e., most institutions do not accept grades of "D" and some may not accept all of Presbyterian College's general education requirements. After earning a minimum of ninety-two semester hours at PC, students enter an engineering program at Auburn University, Clemson University, University of South Carolina, or Vanderbilt University and in two years earn a PC degree and an engineering degree from Auburn, Clemson, USC, or Vanderbilt.

Notes: *If a student has taken general physics 121-121L or physics with calculus 214-214L from PC, or its equivalent at another school, before declaring the physics: engineering dual degree major, s/he must pass a qualifying examination given by the physics department. A grade of "C-" or higher in PHYS 121-121L or its approved equivalent course is required to enroll in PHYS 215-215L. A grade of "C-" or higher in PHYS 215-215L or its approved equivalent is required to enroll in any upper division physics course and the student must pass a qualifying examination given by the physics department.*

Requirements for the Major in Physics: Medical

Students who major in medical physics must complete seventy-three to seventy-six hours, including BIOL 105-105L, 112-112L, and 311; CHEM 101-101L, 102-102L, 221-221L, and 222-222L; MATH 201, 202, 301, 302, and 401; PHYS 121-121L or 214-214L, 215-215L, 216, 220*, 303, 311, 350, and 405; and 4 hours of PHYS electives taught at or above the 300 level.

Notes: *If a student has taken general physics 121-121L or physics with calculus 214-214L from PC, or its equivalent at another school, before declaring the physics: medical major, s/he must pass a qualifying examination given by the physics department. A grade of "C-" or higher in PHYS 121-121L or its approved equivalent course is required to enroll in PHYS 215-215L. A grade of "C-" or higher in PHYS 215-215L or its approved equivalent is required to enroll in any upper division physics course and the student must pass a qualifying examination given by the physics department.*

All students should take BIOL 112-112L. If a student has taken the general biology sequence 105-105L and 106-106L from PC, or its equivalent at another school, s/he must pass a qualifying examination given by the biology department. A grade of "C" or higher in BIOL 105-105L or its approved equivalent course is required to enroll in BIOL 112-112L. A grade of "C" or higher in BIOL 112-112L or its approved equivalent is required to enroll in any upper division biology course.

All students must complete the American Chemical Society General Chemistry Exam with a grade of 60 percent or higher to receive credit for Chemistry 102.

MATH 221 and 307 may be taken in lieu of PHYS 220 to meet linear algebra requirement.

Requirements for the Minor in Physics

Students minoring in physics must complete thirty hours, including MATH 201, 202, 301, and 302; PHYS 121-121L or 214-214L; PHYS 215-215L and 216; three hours chosen from PHYS 302, 303, 311, or 415; and three hours chosen from any PHYS elective taught at or above the 200-level (excluding PHYS 203, 205, and 211).

Notes: *If a student has taken general physics 121-121L or physics with calculus 214-214L from PC, or its equivalent at another school, before declaring the physics minor, s/he must pass a qualifying examination given by the physics department. A grade of "C-" or higher in PHYS 121-121L or its approved equivalent course is required to enroll in PHYS 215-215L. A grade of "C-" or higher in PHYS 215-215L or its approved equivalent is required to enroll in any upper division physics course and the student must pass a qualifying examination given by the physics department.*

POLITICAL SCIENCE

Professor: Booker T. Ingram, Jr. (Chair)

Associate Professors: Z. David Liu and Donald R. Raber II

Assistant Professors: Justin E. Lance and Erin S. McAdams

Requirements for the Major in Political Science

Students who major in political science must complete thirty-three hours, including PLSC 201, 202, 205, and 440; three hours chosen from PLSC 301, 304, 305, 306, 307, 309, 311, 312, 313, 314, 316, 317, or 319; three hours selected from PLSC 322, 324, 326, or 327; three hours selected from PLSC 331, PLSC 332, PLSC/SOC 338, PLSC 339, ECON/PLSC 341, PLSC 342, PLSC 352, PLSC 355, PLSC 361, PLSC 362, PLSC/SOC 370, PLSC 380, or PLSC 387; and twelve additional hours of PLSC electives taught at or above the 300-level. Research projects, special projects, and internships may be counted as PLSC electives.

Requirements for the Minor in Political Science

The minor in political science requires completion of eighteen hours, including PLSC 201, 202, and twelve additional hours of PLSC electives taught at or above the 300-level.

PRE-LAW STUDIES

Associate Professors: Samuel L. Howell, Jody W. Lipford, Jerry K. Slice, and Suzanne J. Smith

Associate Professors: J. Justin Brent and Norman M. Scarborough

Assistant Professor: Erin S. McAdams (Director)

Requirements for the Minor in Pre-Law Studies

Students who minor in pre-law studies must complete twenty-four hours, including ACCT 203, BADM 301, ECON 202, PLSC 304, PRLW 444, SPCH 201, and six additional hours chosen from BADM 325, ENGL 219, ENGL 332, PHIL 205, PLSC 305, or SOC 309.

PSYCHOLOGY

Professor: Ann B. Stidham

Associate Professors: J. Alicia Askew (Chair) and Brooke C. Spatta

Assistant Professor: Sarah C. Burns

Requirements for the Major in Psychology

Students majoring in psychology are required to complete thirty-nine to forty hours, including PSYC 201, 205, 307, 316, and 440; STAT 320; three hours selected from PSYC 212, 213, or 214; three hours selected from PSYC 301, PSYC 310, or PSYC/SOC 312; four hours chosen from PSYC 318, 403, 406, or 407; and twelve additional hours in PSYC electives. In addition, PSYC 444 and 448 are highly recommended for students who qualify.

Requirements for the Minor in Psychology

The minor in psychology consists of eighteen hours, including PSYC 201 and fifteen hours of PSYC electives taught at or above the 200-level. STAT 320 is not required but may count as one of the elective courses.

RELIGION

Professors: Robert A. Bryant (Chair) and Peter H. Hobbie

Associate Professor: James J. Thompson and Craig A. Vondergeest

Assistant Professors: Rebecca L. Davis, Julie M. Meadows, and Kirk J. Nolan

Requirements for the Major in Religion

Students who major in religion must complete thirty-three hours, including RELG 302 and 310; RELG/R-CE 440; R-CE 301; three hours of Old Testament electives taught at the 300-level or above; three hours of New Testament electives taught at the 300-level or above; three hours in church history selected from RELG 344, HIST 3244/RELG 355, HIST 3245/RELG 356, or HIST 3441/RELG 357; three hours of PHIL electives; and nine hours of elective courses chosen from RELG or R-CE courses taught at or above the 200-level and not chosen in the major required areas. GREK 401 and 402; HEBR 261 and 262; or three additional hours in philosophy may also count towards the electives.

Requirements for the Minor in Religion

Students minoring in religion must complete eighteen hours in RELG courses taught at or above the 200-level.

RELIGION – CHRISTIAN EDUCATION

Professors: Robert A. Bryant and Peter H. Hobbie

Associate Professor: James J. Thompson and Craig A. Vondergeest

Assistant Professors: Rebecca L. Davis (Director), Julie M. Meadows, and Kirk J. Nolan

Requirements for the Major in Religion: Christian Education

Students majoring in religion with Christian education must complete forty-five hours, including HIST 3441/RELG 357; RELG 302, 310; RELG/R-CE 440; R-CE 301, 310, 320, 330, and 340; three hours of Old Testament electives taught at the 300-level or above; three hours of New Testament electives taught at the 300-level or above; one course in philosophy selected from BADM/PHIL 316 PHIL 203, PHIL 205, PHIL 301, PHIL 304, PHIL 305, PHIL 306, PHIL 308, PHIL 310, PHIL 315, PHIL 317, PHIL 325, PHIL 330, PHIL 350, PHIL 360, PHIL 410, PHIL/RELG 340, and PHIL 322; and three courses, chosen with approval of the advisor of the Christian education program, from ART 280, EDUC 303, EDUC 310, PSYC 212, PSYC 213, PSYC 214, PSYC 217, PSYC 311, PSYC 330, PSYC/SOC 312, R-CE 326, SOC 302, SOC 363, or SPCH 201.

Requirements for the Minor in Religion: Christian Education

The minor in Christian education consists of eighteen hours, including RELG 302; R-CE 301, 310, 320, 330, and 340.

SOCIOLOGY

Professor: Robert H. Freymeyer (Chair)

Associate Professor: Carla H. Alphonso

Requirements for the Major in Sociology

Students who major in sociology must complete thirty hours, including SOC 201, 311, 423, and 424; three hours chosen from 310, 325, 360, or 366; six hours selected from SOC 303, SOC 362, SOC 363, SOC 364, or PLSC/SOC 370; nine hours of SOC elective courses; and a paper portfolio containing three papers at least one of which must be a research paper with data analysis and at least one must present different viewpoints on various issues.

Requirements for the Minor in Sociology

The minor in sociology consists of eighteen hours including SOC 201, twelve semester hours of SOC electives taught at or above the 300-level, and any three additional hours of SOC course work.

SOUTHERN STUDIES

Professors: G. Terry. Barr, Robert H. Freymeyer, Peter H. Hobbie, Booker T. Ingram, and H. Dean Thompson

Associate Professor: Donald R. Raber

Assistant Professor: Margaret T. McGehee (Director)

Requirements for the Minor in Southern Studies

Students must complete eighteen hours for the minor in southern studies, including SOST 205 and 15 hours chosen from ENGL 209, 334, 347; ENGL/SOST 314, 315; HIST 3211, 3240; HIST 3245/RELG 356; PLSC 301, PLSC 319; SOC 303; SOST 442, 444, 448, or 458.

SPANISH

Professor: Mark R. Cox (Director)

Associate Professors: Sharon E. Knight, Margarita M. Ramirez and Clinia M. Saffi

Requirements for the Major in Spanish

Students majoring in Spanish must complete twenty-eight hours taught at or above the 200-level, including SPAN 201, 202, 300, 301 or 302, and 440; six hours in SPAN literature courses; and nine additional hours in SPAN electives. Spanish courses taken in a study abroad program may be substituted for some of the above courses, subject to approval by the department. One semester or junior year of study abroad in a Spanish-speaking country is recommended for all majors.

Requirements for the Minor in Spanish

Students minoring in Spanish must complete eighteen hours in SPAN course work taught at or above the 200-level. One semester or junior year of study abroad in a Spanish speaking country is recommended for all minors.

THEATRE

Professor: Lesley J. Preston (Chair)

Associate Professor: Miriam L. Ragland

Requirements for the Major in Theatre Studies

Students majoring in theatre studies are required to complete thirty-four semester hours, including THEA 1000, 1200, 1300, 2100 or 2101, 2300 or 2301, THEA 4000 or 4001, THEA 4007 for a minimum of one semester hour; and fifteen hours of electives chosen from THEA 1400 or 1401, 2100 or 2101, 2103, 2104, 2300 or 2301, 3000 or 3001, 4002, or 4005.

Requirements for the Minor in Theatre Studies

The minor in theatre studies consists of a total of eighteen hours, including THEA 1000, 1200, 1300, and nine additional hours of THEA course electives.

WOMEN'S AND GENDER STUDIES

Professors: Anita O. Gustafson, Lynne M. Simpson (Interim Director), and Ann B. Stidham

Associate Professors: Carla H. Alphonso, Roy B. Campbell, and Laura J. Crary

Assistant Professors: Julie M. Meadows and Margaret T. McGehee

Requirements for the Minor in Women's and Gender Studies

Students who minor in women's and gender studies must complete eighteen hours, including SOC 363, WGST 325, and twelve hours selected from ENGL 322, 324, 334; HIST 3241, 3640; PHIL 360; PHIL/WGST 323; PSYC 311, 330; SOC 302, 366; WGST 258, 444, 452, or 458.

PRE-PROFESSIONAL PROGRAMS

A variety of programs offers the Presbyterian College student a solid academic base on which to pursue a professional education. Designated advisors for each area of study work with students to assure success in achieving their academic and pre-professional goals.

Engineering Dual-Degree Programs

Students may combine study in liberal arts with further study in an engineering discipline under the cooperative dual-degree programs Presbyterian College has with Auburn, Clemson, University of South Carolina, and Vanderbilt Universities. These five-year arrangements permit students to spend their first three years at PC completing general education requirements and participating in the physics major program. The remaining two years are spent at Auburn, Clemson, University of South Carolina, or Vanderbilt studying in the chosen engineering discipline. Upon completion of the program, the student is awarded the B.S. degree in physics from PC and the engineering degree from Auburn, Clemson, South Carolina or Vanderbilt. Students should consult the Registrar at one of these institutions for clarification regarding transfer work.

Forestry and Environmental Studies

Presbyterian College offers a program in the fields of forestry and environmental studies in cooperation with the Duke University School of Forestry and Environmental Studies. Students who elect this program must complete at least three years in an approved curriculum at Presbyterian College. Upon completion of the first semester of the junior year with a minimum GPA of 3.00, application may be made to the Duke School of Forestry and Environmental Studies. Applications are considered on a competitive basis. After admission to Duke, the student attends two academic years to complete the master's degree. With the satisfactory completion of the first year of the professional program at Duke and the submission of the first year's record, the student is awarded the baccalaureate degree from Presbyterian College. Interested students should contact the pre-forestry advisor early in their college career.

Pre-Allied Health Sciences

Students interested in careers in allied health professions often spend two or three years at PC and then transfer to a medical university or other professional school to complete the training in such fields as nursing, radiologic technology, physical therapy, and medical technology.

Pre-Dental and Pre-Medical

Students must adhere to a rigorous schedule to prepare for medical and dental schools and for post-graduate admissions tests administered during the junior year at PC. Interested students should consult with the pre-medical/pre-dental advisor at their earliest opportunity.

Pre-Law

Admission to law school does not require any specific course of study. Departments offering programs developed as pre-law training are: economics and business administration, English, history, and political science. An interdisciplinary minor that includes courses designed for a concentration in pre-law (but is not intended to be a pre-law program) is shown on page 47. Each program gives students a broad background upon which to build formal legal training.

Pre-Pharmacy

Students may obtain at PC those courses necessary for admittance to a pharmacy school that accepts students at the third-year level. Because various pharmacy schools have slightly different requirements for admission, students and their college-assigned advisors should ascertain the specific requirements of the schools of their choice and then develop an appropriate schedule of courses.

Pre-Theological

A pre-theological student should schedule at least six hours of Greek and/or Hebrew and may be advised to major in religion. The student also should take as many hours of English, history, psychology, and sociology as possible.

Pre-Veterinary Medicine

Students interested in entering a veterinary medicine program will be assigned a special advisor who will help them arrange their courses at PC to fulfill the specific requirements of the veterinary medicine school of their choice.

Teacher Education and Certification

The Presbyterian College Teacher Education Program is accredited by the National Council for the Accreditation of Teacher Education (NCATE). Presbyterian College offers programs of study leading to teacher certification in the following specialty areas:

<u>Specialty Area</u>	<u>Grade Levels</u>
Early Childhood	Pre-K to Grade 3
Elementary Education	Grades K-6
English	Grades 9-12
Mathematics	Grades 9-12
Middle School	Grades 5-8
Music Grades	Grades K-12
Science/Biology	Grades 9-12
Social Studies	Grades 9-12

Title II reports submitted to the U.S. Department of Education document 100-percent summary pass rates on Presbyterian College program-completer required examinations. The full Title II report is available on the College's web site.

SPECIAL PROGRAMS

For Presbyterian College students, the college experience is not limited to the classroom. Special programs ensure that students obtain the most from their learning opportunity.

Collaborative Programs

PC has developed collaborative educational programs to enhance students' experiences of being global citizens. Presbyterian College and Claflin University, a historically black college located in Orangeburg, South Carolina, have developed programs that allow students from both schools to learn about the cultural differences and similarities that each school brings to its educational programs. Similarly, PC and Guizhou University in China have established a collaborative program to expand the global awareness of students and faculty through academic and cultural exchanges.

Hansard Program

In London, England, the Hansard Society for Parliamentary Government offers scholarships to qualified students who may study for a semester or a year in an internship program. Many students in the Departments of History and Political Science are successful in obtaining these positions.

Honors Program

Highly motivated students with above average abilities may also undertake a departmental honors research project during their junior and/or senior year. Students who successfully complete this project will graduate with honors in their major field. See page 26 for more information.

Honors Day Symposium

Presbyterian College honors the research and creative endeavors of students by inviting them to take part in an interdisciplinary undergraduate scholarly conference. The annual Honors Day Symposium offers students an opportunity to share the results of their scholarly efforts with the Presbyterian College community. The symposium occurs on the day of the Honors Day Convocation; both events honor outstanding academic work being completed by PC students. Past symposiums have included literary, humanist, and scientific presentations and posters from students of all disciplines and all years.

May Period (Fleximester)

Presbyterian College offers special programs of study in various locations during the optional May period. These programs are developed by faculty members to provide off-campus educational experiences to enhance the student's education at PC.

PC-at-Oxford Program

Students and faculty travel to the United Kingdom as participants in the PC-at-Oxford group. The group lives at one of the Oxford colleges, and each student member participates in one or two courses over a three-week period. The

students receive academic credit for the courses that vary from summer to summer to allow students in different disciplines an opportunity to participate in the program.

PC Summer Fellows (PCSF)

The summer fellows program is designed to enhance the academic experience of PC students by providing them with opportunities to work with faculty during the summer. The program is intended for motivated students to gain research experience with direct faculty mentoring. Students experience the process of research as a creative intellectual activity in a living-learning environment.

Reserve Officers' Training Corps (ROTC)

The Army ROTC (Reserve Officers' Training Corps) program at Presbyterian College is designed to enhance a student's college education by providing unique training and practical experience in leadership and management - qualities essential to success in any career. Upon graduation from PC, contracted Cadets who have successfully completed ROTC training are awarded a commission as a Second Lieutenant in the U.S. Army, U.S. Army National Guard, or the U.S. Army Reserves.

To prepare Cadets to become commissioned officers, the ROTC program combines college courses in military science and leadership with summer training. The military science curriculum consists of a two-year Basic Course and a two-year Advanced Course.

The Basic Course is taken during the freshman and sophomore years. Students do not incur any military service obligation for participation in the Basic Course. Previous military experience or completion of JROTC may be accepted by the Professor of Military Science in lieu of some or all of the Basic Course requirements. Attendance at the Leadership Training Course may also be used as credit for the Basic Course.

The Advanced Course is limited to contracted Cadets or students who have completed the Basic Course requirements and are actively seeking to be a contracted Cadet. Advanced Course Cadets attend the 30-day Leadership Development and Assessment Course at Fort Lewis, Washington, during the summer between junior and senior years. Additionally, Advanced Course Cadets assume leadership positions on campus in which they plan, lead, and evaluate training for other Cadets.

Both men and women may enroll in ROTC, contract with the U.S. Army, apply for scholarships, and enter in the commissioning process. In order to become a contracted Cadet, a student must schedule a military physical through the ROTC department with a resulting status of "qualified." The student must also meet the minimum physical fitness requirements and have a minimum GPA of 2.00. To earn a scholarship the student must have a minimum GPA of 2.50. All contracted Cadets, whether on a scholarship or not, must maintain a minimum semester and cumulative GPA of 2.00 to remain in the program.

Russell Program

A concern that PC students recognize and understand the influence and responsibilities of modern communications media led to the creation of the Russell Program in 1986.

Through the Russell Program, PC conducts the annual Arnold Symposium focusing on aspects of the media and society and has brought to campus such renowned individuals as author and performer Ben Stein, TV journalist Bill Moyers, legal analyst and former prosecutor Christopher Darden, political commentator and best-selling author William Bennett, General Wesley Clark, former White House Press Secretary Dee Dee Myers, Harvard Professor Cornel West, and CNN anchor Soledad O'Brien.

The program also involves a media-learning center, interdisciplinary courses, student internships, awards competition, and faculty development. Russell provides support for campus radio station WPCX as well as for student publications. It is made possible by the generosity of Ernest and Frances Arnold, trustees of the Russell Charitable Trust.

Since 2003, the Russell Program – in cooperation with *The New York Times*, *The Wall Street Journal*, and PC – has made copies of these two national newspapers available free throughout the academic year to students, faculty, staff, and visitors. Many faculty members have utilized one or both of these papers in classroom instruction and discussion.

Presbyterian College consolidates its co-curricular programming in technology with that in media under the aegis of the Russell Program. Complementing the yearly Arnold Symposium in Media is an annual Lanier Symposium in Technology. The Lanier Symposium honors Campbell B. Lanier, a distinguished friend of the College.

Study Abroad

Presbyterian College offers a variety of opportunities for students interested in a semester abroad. Direct enrollment agreements with overseas universities and cooperative agreements with other American institutions allow students to

study in more than 20 foreign countries. Students who wish to study in a program that has not yet been approved by Presbyterian College may work with the Director of International Programs to obtain approval and ensure appropriate credit toward their major and toward graduation.

Washington Semester Program

Students may also spend a semester at American University in Washington, DC. The Washington semester allows students to participate in an academically challenging internship in the DC area as part of their coursework for the term. For more information contact the Office of Career Services and Student Programs

Courses of Instruction

CO = Co-requisite • POI = Permission of Instructor • PR = Prerequisite • RE = Recommended • XL = Cross-listed

Courses are numbered to indicate the level at which they are offered. Those intended primarily for freshman have numbers ranging from 100 to 199; for sophomores, 200 to 299; for juniors, 300 to 399; for seniors 400 to 499. Some departments use these ranges to signify area topics or chronological topics. An academic advisor will assist the student in the selection process.

ACCT • Accounting

- 203 Principles of Financial Accounting (3)** This course provides an introduction to accounting as a device for reporting business activities. The underlying principles of accounting for assets, debt, and owners' equity are studied in addition to the preparation and interpretation of financial statements.
- 204 Principles of Managerial Accounting (3)** (PR: ACCT 203 or POI • This course should not be taken by students planning to concentrate in accounting.) This course studies the utilization of accounting information in business management decisions. The topics covered include cost control and reporting, inventory costs and pricing, cost-volume-profit analysis and budgeting.
- 258 Special Topics (1-6)** See page 23.
- 311 Intermediate Accounting I (3)** (PR: ACCT 203) This course provides the introduction to the theory and practice related to the accounting function and its application to for-profit enterprises. Specific emphasis is placed on underlying accounting concepts, the analysis of accounting problems and the application of accounting principles for assets.
- 312 Intermediate Accounting II (3)** (PR: ACCT 311 or POI) This course continues the in-depth study of financial accounting concepts and their application to liabilities, equity financing, leases, investments, revenue recognition, and the statement of cash flows.
- 313 Intermediate Accounting III (3)** (PR: ACCT 311, 312, or POI) This course continues the in-depth study of financial accounting practice and theory to include accounting changes and error analysis, income tax allocation, pension liabilities, and analyses of complete financial statements as well as current developments.
- 328 Cost Accounting (3)** (PR: ACCT 203) A study of the application of cost analysis to manufacturing and distribution problems, including analysis of the behavioral characteristics of business costs and a study of principles involved in standard cost systems.
- 335 Advanced Accounting (3)** (PR: ACCT 313 or POI) This course is designed to study the application of accounting theory and principles to specialized accounting areas including partnerships, equity investments and business combinations, and consolidated financial statements. In addition, some aspects of multinational accounting are introduced, including accounting for foreign currency transactions and the translation of foreign currency financial statements. The course includes an integrating project that requires the student to utilize accounting knowledge gained from the major program.
- 336 Auditing (3)** (PR: ACCT 311) This course studies the principles and practice of internal and independent auditing, the criteria for the establishment and testing of internal controls, the testing of account balances, application of statistical sampling, and accounting information systems.
- 338 Governmental and Not-for-Profit Accounting (3)** (PR: ACCT 203) The theory and practice related to the accounting function in governmental entities are covered extensively in this course. The emphasis is placed on state and local governmental entities. In addition, the theory and practice related to the accounting function in not-for-profit entities is also presented. These entities include colleges and universities, hospitals, churches, and voluntary health and welfare organizations.
- 340 Federal Income Taxation (3)** (PR: ACCT 203 or POI) Primary attention is given to the nature and purpose of taxes with specific emphasis on the federal income tax as it applies to individuals and their business activities.
- 342 Accounting Information Systems (3)** (PR: ACCT 311 or POI) This course provides a comprehensive study of accounting system basics. Experiential learning in computer-based accounting is a significant component of the course. In addition, this course introduces current trends in e-commerce, artificial intelligence, and other developments that have a significant effect on the design of accounting systems.
- 389 Honors Research (3-6)** See page 26.
- 442 Directed Studies (1-9)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

AFST • Africana Studies

- 201 Introduction to Africana Studies (3)** An interdisciplinary survey of African and Africana religion, culture, science, literature, philosophy, politics, economy, and protest.
- 442 Directed Studies (1-6)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (3)** See page 23.

ART • Art

- 101 Art Appreciation (3)** An introduction to the arts of painting, sculpture, and architecture. As a general survey course, emphasis is placed both on the development of an informed art vocabulary and on the exercise of those perceptual and cognitive skills which enhance aesthetic experiences in the arts. (Lectures, slide presentations, field trips, and creative applications.)
- 110 Studio Foundations: Drawing (3)** A foundation course that explores various approaches to a range of drawing problems from landscape and still-life to human anatomy, from rendering to nonobjective abstraction. A variety of wet and dry media is employed in a series of projects and exercises designed to enhance both eye-hand coordination and perceptual acuity. No previous drawing experience is required. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Studio applications and field trips)
- 120 Studio Foundations: 2-D (3)** A foundation course surveying the elements and principles of visual organization in two-dimensional art. Perceptual and conceptual skills are enhanced through a series of experimental studio projects focused on composition and color theory. No previous design experiences are required. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lectures and studio applications)
- 122 Studio Foundations: 3-D (3)** A foundations course surveying materials, concepts, and principles of visual structure/organization in the dimensional world. Through a series of problem solving projects, readings, and class discussion, students will gain insight into the basic language of three-dimensional design. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.
- 230 Painting I (3)** (PR: ART 110 and 120, or POI) An introduction to the theory and practice of painting in oils; stressing color and surface in response to direct visual observations. This course covers a range of materials and technical skills that are presented with frequent reference to the broader history of painting. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstration, painting on location in the landscape, and studio application)
- 240 Sculpture (3)** (PR: ART 110 and 120, or POI) A study of both additive and subtractive approaches to sculptural representation in the context of art history and executed in a variety of media such as clay, stone, plaster, metals, wood, and glass. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstrations and studio applications, Alternate years)
- 260 Printmaking I (3)** (PR: ART 110 and 120, or POI) An introduction to the techniques of relief and intaglio printing processes such as woodcut, linocut, etching, aquatint, and dry point. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstrations and studio applications, Alternate years)
- 262 Printmaking II: Screen Printing (2)** (PR: ART 110 and 120, or POI) An introduction to the techniques and processes of screen-printing with an emphasis on fine arts applications. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstrations and studio applications, Alternate years)
- 280 Art for the Child (3)** A study of the child's creative growth in arts and crafts. Designed to help the classroom teacher develop the creative skills that enhance instruction in all content areas while facilitating a quality art program within the broader context of a general classroom environment. This class is limited to majors in Early Childhood Education, Christian Education, and Art. Other students may contact the art department with a request to be enrolled on appeal. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lectures and studio applications)
- 291 The Expressive Process: The Open Studio (3)** This class will explore a selection of expressive art practices commonly used to enhance personal development, creativity, and spiritual experience. It will address the devotional and developmental uses of art by people seeking an enhanced practice of creativity, personal vocation, and social engagement. This course combines historical, theoretical, and experiential learning in an applied studio format with supplemental lecture, film, and assigned text presentation. By participation in expressive arts activities and reflecting on the products and processes, students will have an opportunity to learn how studio art practice can help a person achieve improved awareness of self and others as well as develop an enhanced sense of personal responsibility and self efficacy, while learning to more effectively deal with setbacks, disappointments, or confusing experiences,

- overcome creative blocks, and more consciously engage the process of personal growth and development. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.
- 292 Expressive Process: Art Therapy (3)** This class will introduce students to concepts of art therapy in the broader context of the expressive tradition. It will address the therapeutic and developmental uses of the art by people who experience illness, trauma, or challenges in living, as well as by people without trauma or psychopathology who seek personal development and enhanced psychological and social well being. This course combines theoretical and experiential learning in lecture and studio formats. By participating in expressive arts activities and reflecting on the products and processes, students will have the opportunity to learn how studio art practice can help a person achieve improved awareness of self and others, cope with symptoms of stress, more effectively deal with the after effects of traumatic experiences, and more consciously engage in the process of personal growth and development. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.
- 300 Media and Society (3)** (PR: ENGL 110 and 111 or equivalent and POI • XL: ENGL 300) A course dealing with media history, uses, and values. It will consider such media as newspapers, magazines, radio, television, recordings, motion pictures, theatre, music, and the arts in regard to how they affect society and the individual. Students will investigate these media and the social, economic, and historical milieu from which they emerge as well as the aesthetic and ethical values attributed to them. The course will use nontraditional approaches to the subject matter, and active participation by the students will be an essential element of the course. Enrollment limited; Students will be selected by GPA and faculty interview. (Fall)
- 307 3-D Modeling and Animation (4)** (PR: CSC 201 or 241 • XL: CSC 307) This course explores concepts and methodologies for creating and exploring 3D graphics and animation. This class will introduce fundamental 3D theories and principles of computer modeling and animation. The class will also explore the history, development, and theories behind modeling and animation. Essential concepts will be made concrete through a major term-long team project in which student teams will develop their own 3D models that are then used in a short animation.
- 308 Graphics Programming and Animation (3)** (PR: CSC 241 • XL: CSC 308) This course introduces the student to programming that draws 2D or 3D images on the screen. In particular, we will study graphics packages that enable interactive drawing and animation in 2D and 3D spaces. (Alternate years)
- 310 Life Drawing (3)** (PR: ART 110 and 120, or POI) An extensive study of artistic anatomy and the expressive potential of the human form. Drawing from the model and skeleton with a wide array of drawing and painting media. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lecture/demonstrations and studio applications, Alternate years)
- 336 Painting II (3)** (PR: ART 230, 232 or 234) An exploration of the form/content relationship in the practice of painting in a variety of media; this course stresses the synthetic integration of painterly concerns through the creation of a suite of related paintings. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Studio applications videotape, and slide lectures)
- 391 Junior Project (1)** In this course, students will plan, execute, present, and critique a project in studio art or art history selected in consultation with the art faculty. Studio majors will explore concepts and experiment with art methods and materials prior to the senior year when production focuses on the senior exhibit. Art history students will work on preliminary research for the senior thesis. All students will meet regularly with faculty individually and as a group for direction and feedback. Students may elect to take this course in conjunction with an internship or study abroad. Mandatory field trips are taken each year to New York City and another major urban art center. (Fall)
- 392 Junior Seminar (1)** This is a supervised open-studio and seminar course with assigned readings and research in contemporary art and art historical methodologies. This course will build on the work done in the junior project, internship, or study abroad of the previous semester. Each studio major will produce a series of related artworks while doing graded research on an aspect of the art world. Art history students will continue to work on their thesis projects while writing regular critiques of the work produced in the studio section of the course and preparing assignments on readings. Mandatory field trips are taken each year to New York City and another major urban art center. (Spring)
- 398 Honors Research (3-6)** See page 26, 2011-12 Presbyterian College Catalog.
- 442 Directed Studies (1-6)** See page 22, 2011-12 Presbyterian College Catalog.
- 444 Internships (1-6)** See page 22, 2011-12 Presbyterian College Catalog.
- 446 Readings (1-9)** See page 22, 2011-12 Presbyterian College Catalog.
- 448 Research (1-9)** See page 22, 2011-12 Presbyterian College Catalog.
- 450 Seminar (1-9)** See page 22, 2011-12 Presbyterian College Catalog.
- 452 Special Projects (1-9)** See page 22, 2011-12 Presbyterian College Catalog.
- 458 Special Topics (1-6)** See page 22, 2011-12 Presbyterian College Catalog.
- 491 Senior Seminar (2)** (PR: SR status and ART major) This course aims to focus the student's development toward the final senior exhibition or thesis to be presented at the end of the year. The faculty will work with each student to develop her or his individual artistic vision or art historical position through regular individual and group critiques. Because the medium, subject, and style of the work produced will vary, the principle emphasis will be on the formal concerns and presentation of the art. These issues will be addressed in critiques, reading, and research. Studio majors will strive to

integrate ideas of concept, form, and content in the preparation of the artist statement for the final exhibit. Art history students will finalize the research and complete a draft of the final thesis. Mandatory field trips are taken each year to New York City and another major urban art center. (Fall)

492 Senior Show (2) (PR: ART 491) Studio majors will focus on the preparation of the final exhibition and the presentation of a carefully crafted artist statement. Art history students will revise and refine the thesis for presentation either in a public symposium or the Honors Research Symposium in the spring. Critique of ongoing studio work and writing will take place prior to the senior show and/ or symposium. Studio majors will submit a slide portfolio or CD and art history students, a bound copy of the thesis for review by the art faculty. A formal critique will be made of all work submitted. Mandatory field trips are taken each year to New York City and another major urban art center. (Spring)

ARTH • Art History

110 Survey of Western Art I (3) The art of the Western world from its earliest known examples in caves of France and Spain up to the beginning Renaissance ideals in art and architecture of Western Europe, with a brief view of some of the arts of the Islamic world created during that same era. Examines the way that the visual arts and architecture gives expression to a culture values and ideas about life, death, and spirituality. (Fall)

120 Survey of Western Art II (3) This course surveys the art of Western Europe and the Americas from the Renaissance through the 20th century. Particular attention is paid to change in social and cultural institutions leading to the development of modernism. (Spring)

210 Medieval Art and Architecture (3) A survey of art and architecture created in Europe beginning in the late Roman Empire through the 14th century. (Fall, alternate years)

220 Art in Italy, 1400-1700 (3) A survey of art and architecture created in Italy between 1400 and 1700 AD. Art and architecture are examined in relation to the philosophical, scientific, and religious debates of the era. (Spring, alternate years)

221 Art in Northern Europe, 1400-1700 (3) A survey of the art and architecture in European countries outside of Italy, especially Flanders, the Netherlands, France, and Spain. Of particular interest are the roles played by the Reformation and Counter-Reformation on art production. (Spring, alternate years)

230 Art in Europe, 1700-1850 (3) A survey of art and architecture created in Western Europe from 1700-1850. The development of the independent gallery system and the role of art academies, leading to modernist movements in the 19th century are emphasized. (Fall, alternate years)

240 Art in Europe, 1850-1950 (3) A survey of the art and architecture created in Western Europe during the late 19th and through the 20th century. Major modernist movements and avant-garde styles are discussed in depth. (Fall, alternate years)

245 Art in the United States, 1900-Present (3) A survey of the art and architecture created in the United States beginning in the early 20th century around the time of the Armory Show in New York in 1913. Major movements throughout the century will be examined, along with the special circumstances of art making in the United States. (Fall, alternate years)

310 Modern Art Theory and Criticism (3) An examination of the writings of artists and critics of the late 19th and 20th centuries whose works construct the history of modernism in the arts. (Spring, alternate years)

320 Topics in Latin American Art (3) A survey of the art of one region or country in Latin America, such as Mesoamerican art, Caribbean art, South American Art, Mexican art, or Brazilian art. (Spring, alternate years)

410 Contemporary Art: Theory and Practices (3) An examination of the visual arts of the 20th century and into the 21st century, emphasizing theory, criticism, and exhibition strategies related particularly to news media. (Spring, alternate years)

450 Art History Seminar (3) A seminar devoted to a topic central to the history of art. This course is designed to offer students the opportunity to do in-depth analysis of artworks, understand and apply theoretical frameworks to the interpretation of culture, and develop and present research. (Spring, alternate years)

442 Directed Studies (1-6) See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

BADM • Business Administration

299 Computer Applications for Business (2) A study of current information technology and its application to managerial decision-making. Students gain a working knowledge of basic spreadsheet skills, financial and statistical analysis, graphical tools, database management, report generation, and macro creation. This course relies on Excel for Windows to give students hands-on experience with computerized information systems in integrating material from other business courses.

- 301 Business Law (3)** (PR: JR status or POI) Designed to give students a comprehensive knowledge of the principles of law pertaining to routine business transactions. Topics include sources of contracts, sales, the Uniform Commercial Code (UCC), title risk of loss, and product liability.
- 307 Marketing (3)** (PR: SO status) A general survey of marketing: consumer behavior, functions, channels, and institutions. Special emphasis on the integration of marketing fundamentals with decision making through the use of case studies.
- 308 International Marketing (3)** (PR: BADM 307 or POI) This course is designed to give students experience in analyzing the marketing environment and applying marketing concepts in a foreign context to develop understanding of both the theoretical and practical benefits of international business.
- 309 Consumer Behavior (3)** (PR: BADM 307) Concepts, methods, and models used in understanding, explaining, and predicting consumer motivation and behavior. Implications for influencing decisions are highlighted.
- 314 Enterprise MIS (3)** (RE: BADM 299 • XL: CSC 214) This course is designed to introduce the student to the ways businesses use information technologies to enhance and transform business operations and support business objectives. The key topics include enterprise applications (ERP, CRM, and SCM), web-based systems (E-Commerce, B2B, and intranets), and decision support (data mining and data warehouse). The course is intended to be a survey of the current concepts and practices related to MIS implementations in businesses. As time allows, students will also apply these concepts to hands-on labs.
- 315 Management and Organizational Behavior (3)** An overview of general principles of management with emphasis on planning, organizing, leading, and controlling. Topics include the evolution of management thought through current trends in management practice. Behavioral concepts are applied in motivation, leadership, group dynamics, and communication.
- 316 Business Ethics (3)** (XL: PHIL 316) A study of ethical issues in business with the aim of strengthening our moral discernment and practical judgment. We will focus on classic and contemporary cases in the ethics of business.
- 322 Industrial/Organizational Psychology (3)** (PR: ECON 201 or PSYC 201 • XL: PSYC 322) The application of psychology to workplace settings, including not only business and industry, but also non-profit organizations such as hospitals, government, and social agencies. Topics include employment recruitment and selection, organizational communication, motivation of workers, and performance evaluation. Topics are of special relevance to students who at some point in their careers expect to be in managerial or administrative positions within an organization, be it a business or non-profit organization.
- 323 Sports Marketing (3)** (PR: BADM 307) Exploration of the essentials of effective sports marketing. Topics include application of marketing principles in the sports area, licensing issues, sponsorships and endorsements, stadium and arena marketing, broadcasting and media considerations, public policy and sports, and unique marketing challenges for sport specific products (football, basketball, baseball, motorsports, etc.).
- 325 Managerial Communication (3)** (PR: C or better in English 110 or 111) A case-based class in which students analyze business problems and propose persuasive solutions. Students share leadership in a seminar-style class as they strengthen writing and speaking skills through peer-evaluated memos, letters, and reports. The course requires weekly writing assignments.
- 332 Managerial Finance (3)** (PR: ACCT 203) Designed to allow the student to apply basic concepts of finance to the solution of business problems, especially as they pertain to financial decision making; analysis of the financial condition of business firms as a means of recognizing current and long-term financial needs; selection of the most feasible actions necessary to secure best possible financing and most profitable allocation of resources.
- 333 Database Processing and Design (3)** (PR: BADM 299 or CSC 201, or POI • XL: CSC 333) Introduction to database concepts including data modeling, normalization, database design and implementation, data administration, and, as time allows, data warehouses and data mining. The course will include hands-on experience using commercially available database software beyond simple desktop databases.
- 334 Human Resource Management (3)** Analysis of current issues and practices in human resource management. The course studies the staffing, training, development, motivation, and maintenance of employees. Cases and experiential exercises are used to involve students in resolving realistic human resources problems.
- 343 Health Care Management (3)** This course will focus on the health care environment in the U.S. with an emphasis on managing the operations of health care facilities. The range of topics will include: historical perspective; patient safety; quality; risk management; employee relations; balancing financial, marketing, and operational priorities; understanding physician relations; legal, regulatory and accreditation mandates; customer service; information technology; and advocacy. It will also include the internal and external factors that control the delivery of health care in communities.
- 344 Principles of Real Estate (3)** (PR: JR status or POI) This course is designed as an introduction to the field of real estate and deals with the following topical areas: the economic, social, and legal setting of real estate; brokerage and real estate title transfer; value, price and investment; real estate ownership and administration; and real estate horizons.

- 351 Operations Management (3)** (PR: *BADM 299 and STAT 319*) An examination of analytical tools designed to improve quality and productivity in manufacturing and service operations. Topics include forecasting, inventory management, scheduling, linear programming, and queuing theory.
- 352 Strategic Management (3)** (PR: *SR status, EBA major*) A capstone course entailing study of the formulation and implementation of strategies in a wide range of businesses. Emphasis on analyzing and integrating the functional areas of business administration. The case study method and a term project offer student the opportunity to apply strategic concepts to “real-world” situations.
- 353 Small Business Management (3)** (PR: *ACCT 203 and ECON 201*) A practical course designed to enhance the student’s ability to apply fundamental managerial techniques to the operation of the small business. The focus is on developing strengths and capabilities that are unique to small companies striving for success. Topics include strategic management, entrepreneurship, forms of ownership, franchising, cash flow management, sources of funding, business plan development, and others. Students create a business plan as part of the course.
- 398 Honors Research (3-6)** See page 26.
- 442 Directed Studies (1-9)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

BIOL • Biology

- 105 Biological Concepts (3)** (CO: *BIOL 105L*) A broad introduction to the fundamental principles of living organisms. Emphases include scientific methodology, biomolecules, cell structure and function, genetics, principles of evolution, and environmental issues. (Fall)
- 105L Biological Concepts Laboratory (1)** (CO: *BIOL 105*) The laboratory supplement to the lecture content of BIOL 105. (Fall)
- 106 Survey of Life (3)** (PR: *BIOL 105 and 105L* • CO: *BIOL 106L*) A survey of structure, function, and ecology of the Kingdoms of living organisms. This course is designed for non-majors as a second semester offering in general education. (Spring)
- 106L Survey of Life Laboratory (1)** (PR: *BIOL 105 and 105L* • CO: *BIOL 106*) Laboratory supplement to the lecture content of BIOL 106. (Spring)
- 112 Organismal Biology (3)** (PR: *BIOL 105 and 105L with a grade of “C” or higher* • CO: *BIOL 112L*) A course in contemporary topics in the life sciences designed for majors in biology. Course emphases include plant and animal form and function, microbial life, development, ecology, and behavior. (Spring)
- 112L Organismal Biology Laboratory (1)** (PR: *BIOL 105 and 105L with a grade of “C” or higher* • CO: *BIOL 112*) A laboratory experience based on the course content of BIOL 112. This laboratory emphasizes contemporary research methods and scientific reporting in the life sciences. (Spring)
- 198 Summer Readings in the Biological Sciences I (0.5)** (PR: *BIOL 112 with a grade of “C” or higher*) An individual study of selected biological papers and books to be completed before a biology major’s senior year.
- 199 Summer Readings in the Biological Sciences II (0.5)** (PR: *BIOL 112 with a grade of “C” or higher*) An individual study of selected biological papers and books to be completed before a biology major’s senior year.
- 201 Invertebrate Zoology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: *BIOL 112 with a grade of “C” or higher*) Studies of the principal phyla of the invertebrates emphasizing their increasing complexity of structure, physiology, ecology, and evolutionary relationships.
- 202 Vertebrate Zoology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: *BIOL 112 with a grade of “C” or higher*) Lectures deal with the taxonomy, morphology, ecology, and evolution of principal vertebrate groups. Lab treats ecology, taxonomy, population biology, identification, and morphology with emphasis on local forms. (Alternate years)
- 203 Introductory Botany (4)** (3 hrs lecture, 3 hrs lab weekly • PR: *PR: BIOL 112 with a grade of “C” or higher*) Intensive review of phyla of plant kingdom. Morphology, physiology, reproduction, ecology and principles of classification studied in each group.
- 206 Plant Systematics (4)** (3 hrs lecture, 3 hrs lab weekly • PR: *BIOL 112 with a grade of “C” or higher*) The classification and identification of common and economically important vascular plants with attention given to ecological associations of native plants in South Carolina. The cultural and economic impact of herbal and medicinal plants will be examined. (Fall, alternate years)
- 207 Biogeography (4)** (PR: *BIOL 112 with a grade of “C” or higher*) Biogeography is the study of distributions of organisms, both past and present. It is the science that attempts to describe the patterns and distribution of species and

- larger taxonomic groups. Lecture and laboratory experiences will complement each other in an effort to comprehensively explore the ideas, philosophies, procedures, and techniques involved in biogeography.
- 208 Parasitology (4)** (PR: PR: BIOL 112 with a grade of "C" or higher) This course provides an in-depth study of parasitic organisms during both lecture and lab. Lecture topics will focus on parasite/host interactions, disease physiology, and current treatments. Lab exercises will introduce students to parasite morphology and histological examination of infected tissue.
- 209 Cell Biology (4)** (PR: PR: BIOL 112 with a grade of "C" or higher and CHEM 102) A study of the structure and function of the eukaryotic cell that includes a review of the biological macromolecules and chemical processes of the cell. The structure and functions of cell membranes, cellular organelles, and the cytoskeleton and the processes of protein synthesis and sorting, enzyme catalysis, cell movement, the cell cycle, and intracellular signaling are included. Lab exercises will include light and electron microscopy, cell fractionation, and cell tissue culture.
- 212 Evolution (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher) The history and development of evolutionary theory from Darwinism in the 19th century to the Modern Synthesis of the 1950's to the most recent concepts and innovations. Includes references to the influence of evolutionary thought on 20th century ideas in science and humanities.
- 215 Environmental Science (3)** (PR: BIOL 112 with a grade of "C" or higher and CHEM 102 or PHYS 122) Designed to show the student's relationship to and dependence on the environment and to create an awareness of environmental problems. Areas of study include concepts of ecology, population, resources, pollution, problems of world hunger, and ethics. (Alternate years)
- 215L Environmental Science Lab (1)** (PR: BIOL 112 with a grade of "C" or higher and CHEM 102 or PHYS 122) A laboratory experience that correlates with topics covered in BIOL 215 lecture and is designed to show the student's relationship to and dependence on the environment. Experimentation, field monitoring, field trips to selected sites, videos, and lectures will bring the student first-hand knowledge and awareness of environmental problems and solutions. This lab is a supplement to BIOL 215 and is required of a major taking BIOL 215 but optional for non-majors. (Alternate years)
- 216 Introduction to Marine Biology and Oceanography (4)** (PR: BIOL 112 with a grade of "C" or higher) A study of the biological, geological, chemical, and physical aspects of the oceans. Topics studied involve history of oceanography, geology of oceans and ocean basins, chemical and physical aspects, waves and tide, ocean currents and coastal oceanography, major marine phyla, marine algae, and marine ecology.
- 258 Special Topics (1-6)** See page 23.
- 302 Comparative Anatomy (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher) A comparative study of vertebrate morphology. Gross and microscopic anatomy of organ systems will be examined on representatives of the major classes of vertebrates. (Alternate years)
- 303 Human Anatomy and Embryology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher; JR or SR status) The student will gain proficiency in anatomical dissections (cat) This course concerns the functional morphology of the various organs within the human body and integrates these organ functions into systems that serve the needs of the human body for growth, maintenance and repair, and reproduction. There will be extensive use of CD-ROM programs for anatomical simulation. (Alternate years)
- 304 Developmental Biology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher • RE: BIOL 209 or 334) The integrated fields of cytology, genetics, biochemistry, and anatomy culminate in the study of development. Students will examine how complex living systems result from an undifferentiated single cell and the forces that drive such specialization. Lectures center on development at the cellular level. The laboratory is primarily concerned with experimental embryology of selected invertebrates and lower vertebrates.
- 306 Microbiology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher and CHEM 102) A study of microorganisms with emphasis on bacteria. Topics include characteristics of prokaryotes, viruses, immunology, disease, genetics, metabolism, growth, and applied and environmental microbiology. The laboratory emphasizes development of sterile techniques and provides students both basic and applied exercises.
- 307 Biochemistry I (3)** (PR: BIOL 112 with a grade of "C" or higher and CHEM 221-221L • RE: CHEM 222 • XL: CHEM 307) An introductory course in biochemistry. Starting with an overview of the cell, the structure and function of amino acids, proteins, lipids, membranes, and carbohydrates are covered. The remainder of the course involves a detailed discussion of the bioenergetics and metabolism of carbohydrates, amino acids, lipids, and steroids. Included is a limited discussion on diseases caused by inborn errors of metabolism.
- 307L Biochemistry I Lab (1)** (3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher and BIOL/CHEM 307 and CHEM 221-221L • RE: CHEM 222 • XL • CHEM 307L) Experiments in amino acid and protein analysis, protein purification, membrane lipid analysis, carbohydrates and cellular metabolism. Also included are the techniques of electrophoresis, chromatography, spectrometry, and cell fractionation.
- 308 Biochemistry II (4)** (PR: BIOL 112 with a grade of "C" or higher and CHEM 221-221L • XL: CHEM 308) The function of enzymes, enzyme catalysis, and enzyme kinetics. Biosynthesis of nucleotides; DNA structure; the processes of

- replication, transcription and translation; DNA biotechnology; control of gene expression in prokaryotes and eukaryotes; viruses; and oncogenes. Laboratory experiments including enzyme catalysis and kinetics and the techniques of recombinant DNA. (Alternate years)
- 311 Physiology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of “C” or higher and CHEM 102 • RE: CHEM 221-CHEM 222 or PHYS 121-122) A study of the basic functional phenomena of living organisms from unicellular through multi-cellular animals emphasizing the comparative approach. The laboratory portion includes studies of the following: osmotic phenomena, ionic effects, small animal metabolism, hormones, circulation, respiration, and muscle physiology.
- 312 Plant Physiology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of “C” or higher and CHEM 102 • RE: CHEM 221-222) This course is designed as an introduction into how plant cells function from seed germination to vegetative growth, maturation, and flowering. Topics include: water relationships, plant biochemistry, development, and environmental physiology. The laboratory portion includes studies of transpiration, plant mineral requirements, plant development, tissue culture, photosynthesis, and enzyme activity.
- 314 Ecology (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of “C” or higher) A study of the interrelationships of plants and animals in their physical and biological environments. Structure and dynamics of the major ecosystems, with emphasis on individual behavior, populations and communities. Lab and field work includes studies of natural and polluted systems. (Alternate years)
- 318 Immunology (4)** (PR: BIOL 112 with a grade of “C” or higher and CHEM 102) A study of the principles of immunology. Lecture topics include organs, cells, and pathways of the immune response, antigens, antibodies, immune specificity, humoral and cellular immunity, development, activation and regulation of the immune response, and immune disorders. Laboratory exercises include identification of the components of the immune system, antibody/antigen interactions, immunoassays, and mitogenic responses. (Alternate years)
- 320 Paleontology (4)** (PR: BIOL 112 with a grade of “C” or higher) This course provides an in-depth introduction to the principles of paleontology. Lecture topics include models in paleontology, taphonomy, systematics and classification, morphology, paleoecology, evolution and extinction, paleobiogeography, biostratigraphy, milestone in the history of life, diversity of Phanerozoic Life, and use of index fossils in rock correlation. Laboratory exercises include fossil preservation, diversity of ancient life, ontogenetic variation, morphologic parameters and their uses, species recognition and evolution, microfossils, evolutionary patterns, and biostratigraphy as well as a survey of the major groups of fossil organisms.
- 334 Genetics (4)** (3 hrs lecture, 3 hrs lab weekly • PR: BIOL 112 with a grade of “C” or higher and CHEM 102) A survey of mechanisms and theories of heredity and variation with examples from a group of plants and animals, including humans. The nature of the gene and its expressions are stressed in study of principles of Mendelian inheritance, linkage, mutation, development, molecular genetics, behavior, and population genetics. Lab work includes techniques and analysis of studies in experimental crosses, cytogenetics, and molecular genetics, including protein and DNA electrophoresis.
- 335 Human Genetics (3)** (PR: BIOL 334 or POI) The course is designed to introduce students who are interested in future healthcare professions to the specific effects of genetic variation on human biology primarily in settings where clinical problems arise due to mutation. Basic genetics is prerequisite to this course. It is the intent of the course to increase both personal and professional awareness of the role and impact of genetics in healthcare. The course will review basic genetic principles; present the molecular aspects of genetic mutations; discuss classic and non-traditional inheritance; the significance of family history and pedigree analysis; genetic testing; and the ethical, legal, and social implications of the science. Emphasis is on what, why, and how to use genetic information in the healthcare professions
- 336 Bioinformatics (3)** (PR: BIOL 334 or POI) Bioinformatics arises from the interaction of biology computer science, mathematics, and statistics. It deals with the staggering amount of biological information, mainly in the form of DNA and protein sequences, and tries to find ways to organize, sort, compare, and decode these sequences to find underlying similarities and patterns that are biologically relevant. The course will cover computational methods for the study of biological sequence data: analysis of genome methods for finding fractured patterns, phylogenetic methods, and protein structure prediction and modeling. Each of the problems will be analyzed both from the biologist’s and the computer scientist’s point of view. Students will have the opportunity to analyze biological data and experiment with available bioinformatics tools to solve bioinformatics problems.
- 398 Honors Research (3-6)** See page 26.
- 399 Scientific Writing & Presentation (2)** (PR: JR status) A course designed to familiarize the student with the library resources and techniques for conducting a literature search of a scientific topic. Students will receive instruction on the style and mechanics of writing a scientific review article and presenting a short seminar.
- 401 Senior Seminar (2)** (PR: BIOL 399 or POI, and SR status) Each student gains an in-depth knowledge of a selected current topic in biology by conducting an exhaustive search of the literature, giving an oral presentation of the results of this research, and preparing a written paper in acceptable scientific form. Instructions in each phase of study or

presentation are given by the biology faculty. Majors will take the Graduate Record Advanced test in biology as part of this course.

442 Directed Studies (1-9) See page 23.

444 Internships (1-6) See page 23. A maximum of 3 hours credit may count toward the major.

446 Readings (1-9) See page 23.

448 Research in Biology (3-6) (PR: JR or SR status, BIOL major, minimum GPA of 2.5, and permission of the department) Independent research in one of several areas utilizing different approaches—a lab study on-campus or off-campus studies at a biological field station or marine science lab. Students may take three to six hours during one or two semesters. Research hours cannot be terminal hours for the major. See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-6) (PRE: minimum 28 hours earned credit, minimum GPA of 2.25, and permission of the department and Dean) Special course projects on demand to include predominantly off-campus offerings that will necessitate students being away from campus part of time — may be graded on regular basis. See page 23.

458 Special Topics (1-6) May include field studies during the May term to give students an opportunity to study plants and animals in a variety of different habitats: overseas and local field studies; terrestrial and marine environmental study on islands such as Puerto Rico, the Virgin Islands, the Galapagos of Ecuador, etc.; fish and wildlife refuges in the eastern U. S.; or paleobiological and ecological studies of the Great Plains and the desert Southwest. See page 23.

CHEM • Chemistry

100 Chemistry: A Human Experience (4) (3 hrs lecture, 3 hrs lab weekly • Students may not earn credit for both CHEM 100 and CHEM 101) Using common experience and issues of contemporary human life (air, water, energy sources, plastics, polymers, and nutrition) as points of departure, this course will develop fundamental chemical principles and relate those principles to personal, social, and environmental concerns. Features of this course are liberal use of in-class demonstrations, development of a set of demonstrations that could be used in a classroom, class discussion based in part on assigned media searches, and minimization of mathematics and theory.

101 General Chemistry (3) (3 hrs lecture weekly • PR/CO: CHEM 101L) Designed to give a thorough grounding in the fundamental principles and theories of chemistry. While stress is laid upon the class behavior of the elements, descriptive chemistry and historical perspective are not neglected.

101L General Chemistry Laboratory (1) (3 hrs lab weekly • PR/CO: CHEM 101) The laboratory work develops the student's lab technique, powers of observation, and ability to draw conclusions as it adds insight to the topics introduced in Chemistry 101.

102 General Chemistry (3) (3 hrs lecture weekly • PR: CHEM 101-101L; PR/CO: CHEM 102L) Continuation of the study of general chemistry with introduction of kinetics, equilibria phenomenon, and organic chemistry.

102L General Chemistry Laboratory (1) (3 hrs lab weekly • PR: CHEM 101-101L; PR/CO: CHEM 102) Once-a-week lab designed to emphasize concepts from CHEM 102 as well as continue the development initiated in CHEM 101L. The laboratory work consists of quantitative and qualitative studies of equilibria.

221 Organic Chemistry I (3) (3 hrs lecture weekly • PR: CHEM 102-102L • CO: CHEM 221L) A study of carbon-based molecules with an emphasis placed on their structure, stereochemistry, reactions, reaction mechanisms, and spectroscopy. Coverage of functional groups includes alkanes, alkenes, alkynes, alkyl halides, and alcohols. Also introduced is multi-step synthesis involving these functional groups. The foundation of structure and reactivity prepares students for understanding other related fields such as biochemistry.

221L Organic Chemistry I Laboratory (1) (3 hrs lab weekly • PR: CHEM 102-102L • CO: CHEM 221) Students are introduced to the common organic laboratory techniques used in setting up, running, and working up reactions. Also covered are techniques involving the isolation, purification, and analysis of organic molecules. Some labs are designed to teach techniques while others are used to illustrate material covered in the CHEM 221 lecture.

222 Organic Chemistry II (3) (3 hrs lecture weekly • PR: CHEM 221-221L) A continuation of CHEM 221 in which aromatic, conjugated, carbonyl, and amine functional groups are studied in terms of their structure, stereochemistry, reactions, and reaction mechanisms. Multi-step synthesis involving reactions covered in CHEM 221 and 222 reinforces material from CHEM 221. Time permitting, biological molecules such as carbohydrates, nucleic acids, amino acids, peptides, proteins, and lipids are discussed.

222L Organic Chemistry II Laboratory (1) (3 hrs lab weekly • PR: CHEM 221-221L; PR/CO: CHEM 222) A continuation of CHEM 221L where students practice their organic laboratory techniques on reactions that illustrate material covered in the lecture portion of the course. Lab concludes with students using techniques covered in CHEM 221L and 222L in identifying an unknown compound.

258 Special Topics (1-6) See page 23.

307 Biochemistry I (3) (PR: BIOL 112 with a grade of "C" or higher and CHEM 221-221L • RE: CHEM 222 • XL: BIOL 307) An introductory course in biochemistry. Starting with an overview of the cell, the structure and function of amino acids, proteins, lipids, membranes, and carbohydrates are covered. The remainder of the course involves a detailed

- discussion of the bioenergetics and metabolism of carbohydrates, amino acids, lipids, and steroids. Included is a limited discussion on diseases caused by inborn errors of metabolism.
- 307L Biochemistry I Lab (1)** (3 hrs lab weekly • PR: BIOL 112 with a grade of "C" or higher and BIOL/CHEM 307 and CHEM 221-221L • RE: CHEM 222 • XL • BIOL 307L) Experiments in amino acid and protein analysis, protein purification, membrane lipid analysis, carbohydrates and cellular metabolism. Also included are the techniques of electrophoresis, chromatography, spectrometry, and cell fractionation.
- 308 Biochemistry II (4)** (PR: BIOL 112 with a grade of "C" or higher and CHEM 221-221L • XL: BIOL 308) The function of enzymes, enzyme catalysis, and enzyme kinetics. Biosynthesis of nucleotides; DNA structure; the processes of replication, transcription and translation; DNA biotechnology; control of gene expression in prokaryotes and eukaryotes; viruses; and oncogenes. Laboratory experiments including enzyme catalysis and kinetics and the techniques of recombinant DNA. (Alternate years)
- 311 Quantitative Analysis (4)** (3 hrs lecture, 3 hrs lab weekly • PR/CO: MATH 201) An introduction to the theory and methods of quantitative analysis. Designed to fit the needs of chemistry majors, pre-medical students, and biology majors. Although volumetric methods are emphasized, gravimetric and instrumental methods also are utilized.
- 312 Instrumental Analysis (4)** (3 hrs lecture, 3 hrs lab weekly • PR: CHEM 311 • PR/CO: PHYS 122 or 215) An introduction to instrumental analysis. Topics taken up in class and in lab normally include atomic and molecular spectroscopy (absorption, fluorescence, phosphorescence, raman), electrochemistry (potentiometry, coulometry, voltammetry), chromatography (gas, liquid, electrophoresis) and mass spectrometry.
- 322 Inorganic Chemistry (3)** (3 hrs lecture weekly • PR: CHEM 222-222L) A survey of inorganic chemistry that includes a study of the electronic structure of atoms and the resultant periodicity of the elements; an introduction to coordination chemistry and ligand field theory; and a review of the descriptive chemistry of selected main group and first transition series elements. (Alternate years)
- 322L Advanced Inorganic Chemistry Laboratory (1)** (3 hrs lab weekly • PR/CO: CHEM 322) The laboratory work will consist of inorganic synthetic techniques, methods of purification, and methods of characterization of inorganic compounds.
- 332 Advanced Organic Chemistry (5)** (3 hrs lecture, 6 hrs lab weekly • PR: CHEM 222-222L) A course in the identification of organic molecules by use of both chemical and physical methods. (Alternate years)
- 342 Spectroscopy (4)** (3 hrs lecture, 3 hrs lab weekly • PR: CHEM 222-222L; PR/CO: PHYS 122 or 215) The application of spectroscopic techniques is the main focus of this course, along with the corresponding theoretical background. Course coverage includes methodologies such as infrared spectroscopy (IR), nuclear magnetic resonance spectroscopy (NMR), and mass spectrometry (MS) and how they may be employed as powerful tools in structural determination. The laboratory work will involve the student using these instruments to elucidate chemical structures. (Alternate years)
- 345 Forensic Science (3)** (PR: CHEM 221-221L) An exploration of forensic techniques that would be encountered in a typical crime lab: evidence collection, trace analysis (glass, soil, fiber, hair, etc.), latent fingerprints, ballistics, arson, drug testing, blood typing, and DNA fingerprinting. (Alternate years)
- 352 Chemistry and Art (4)** (PR: CHEM 221) Chemistry and Art explores the chemical composition, physical properties, and chemical properties of a variety of artists' materials, with emphasis placed on paints, patinas, and dyes. In addition the biochemistry of vision and color perception as well as instrumental techniques used to analyze art will be introduced. (Spring, alternate years)
- 380 Introduction to Research (1)** (PR: CHEM 102-102L) Each student will learn the process of performing searches in the chemical literature. Projects ranging in difficulty from straightforward to complex will be assigned, culminating in a research proposal for research to be carried out during the junior/senior years.
- 398 Honors Research (3-6)** See page 26.
- 401 Physical Chemistry I (3)** (PR: CHEM 102-102L, MATH 202, and PHYS 122 or 215) A study of theoretical chemistry, designed to teach the understanding and use of laws of chemistry and physics. Emphasis is placed on thermodynamics.
- 401L Physical Chemistry I Laboratory (1)** (PR: CHEM 102-102L, MATH 202, and PHYS 122 or 215 • CO: CHEM 401) Selected experiments investigating thermodynamic, statistical mechanical, and kinetic properties of chemical systems. Emphasis is placed on laboratory problem solving in the lab.
- 402 Physical Chemistry II (3)** (3 hrs lecture, 3 hrs lab weekly • PR: CHEM 102-102L; PHYS 122-122L or 215-215L; MATH 202 • CO: CHEM 402L • RE: MATH 302) An introduction to quantum mechanics. The historical development of quantum mechanics, atomic structure, molecular structure, and spectroscopy are presented. Applications in biospectroscopy and photobiology are highlighted.
- 402L Physical Chemistry II Laboratory (1)** (3-hr lab weekly • CO: CHEM 402) A theoretical and experimental investigation into the structures of atoms, molecules, and nanoparticles. Special emphasis is placed on atomic and molecular spectroscopy.
- 440 Research Experience (0)** This course provides a mechanism for awarding completion of the major's research requirement for students participating in a summer research program or research internship without awarding institutional credit.

442 Directed Studies (1-3) (PR: JR or SR status and permission of the department) Designed to allow the student an opportunity for individual study of topics of special interest. This may range from off-campus projects to self-paced study of advanced topics related to the student's specific goals. See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (3-6) See page 23. Considerable latitude allowed in choice of subject matter and type of approach. Ordinarily restricted to students of unusual promise who wish to undertake suitable research problems under staff guidance. Use of library as well as lab required.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

CHIN • Chinese

101 Introductory Chinese I (4) A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of the Chinese culture.

102 Introductory Chinese II (4) (PR: CHIN 101 or placement) A continuation of CHIN 101.

201 Intermediate Chinese I (3) (PR: CHIN 102 or placement) A continuation of the study of the Chinese language at the intermediate level.

202 Intermediate Chinese II (3) (PR: CHIN 201 or placement) A continuation of CHIN 201.

301 Chinese Composition and Conversation I (3) (PR: CHIN 202 or placement) This course is designed to enhance students' oral proficiency, with additional emphases on reading comprehension and basic composition.

302 Chinese Composition and Conversation II (3) (PR: CHIN 301 or placement) As a continuation of Chinese Composition and Conversation I, this course is for students who have studied Chinese for five semesters (or placement equivalent) and have developed a basic sense of Chinese culture and language. The objective of this course is to improve students' oral communication and writing skills.

341 Business Chinese (3) (PR: CHIN 301) This course is designed to develop skills in the Chinese language and current practices used when conducting business in Chinese. The skills of listening, speaking, reading, and writing in Chinese will be taught and practiced in audio materials, motivating texts, and other sources in business topics in the Chinese context.

442 Directed Studies in Chinese (1-9). (PR: CHIN 202) Directed independent study in Chinese on a topic approved by the department. See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

CHST • Chinese Studies

258 Special Topics (1-6) See page 23.

442 Directed Studies (1-6) See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

CSC • Computer Science

201 Introduction to Microcomputers (3) This course will introduce the student to the use of microcomputers with an emphasis on productivity software such as word processing, data base management, spreadsheets, and graphics. Selection and evaluation of software and peripherals will be discussed along with current topics in micro-computing. No previous computer experience is assumed.

214 Enterprise MIS (3) (RE: BADM 299 • XL: BADM 314) This course is designed to introduce the student to the ways businesses use information technologies to enhance and transform business operations and support business objectives. The key topics include enterprise applications (ERP, CRM, and SCM), web-based systems (E-Commerce, B2B, and intranets), and decision support (data mining and data warehouse). The course is intended to be a survey of

the current concepts and practices related to MIS implementations in businesses. As time allows, students will also apply these concepts to hands-on labs.

- 241 Program Design I (4)** Principles of program design and implementation using a modern programming language. Fundamentals of procedural programming, including basic data types, control structures, console and file input/output, subprograms, vectors and/or arrays, recursion, and pointers. Introduction to object-oriented programming, including objects, classes, member data, and member functions. Introduction to graphical user interface programming. Students must develop and demonstrate proficiency in writing and debugging programs up to an intermediate level of complexity.
- 242 Program Design II (4)** (PR: CSC 241 with grade of C or higher) A continuation of CSC 241.
- 250 Computing Methods for Science and Math (3)** (PR: MATH 202) Covers techniques for numerical calculations, symbolic mathematical manipulations, and graphical presentation of results using spreadsheets, symbolic math packages, and procedural programming languages. (Alternate years)
- 258 Special Topics (1-6)** See page 23.
- 305 System and Network Administration (3)** (PR: CSC 241) This course is a broad overview of the process of administering desktop and server computers. Operating systems will include Windows, Mac OS X, and Linux. Heavy emphasis will be placed on service management and user management in a multi-user environment. The course will also deal specifically with hardware/ software installation and support. Other topics will include network topography (using the OSI model) and maintenance. (Alternate years)
- 307 3D Modeling and Animation (4)** (PR: CSC 201 or 241 • XL: ART 307) This course explores concepts and methodologies for creating and exploring 3D graphics and animation. This class will introduce fundamental 3D theories and principles of computer modeling and animation. The class will also explore the history, development, and theories behind modeling and animation. Essential concepts will be made concrete through a major term-long team project in which student teams will develop their own 3D models that are then used in a short animation.
- 308 Graphics Programming and Animation (3)** (PR: CSC 241 • XL: ART 308) This course introduces the student to programming that draws 2D or 3D images on the screen. In particular, we will study graphics packages that enable interactive drawing and animation in 2D and 3D spaces. (Alternate years)
- 311 Computer Organization (3)** (RE: CSC 241) This course introduces the student to foundational mechanisms of computer architecture including Boolean and sequential circuits, assembly languages, instruction sets, internal data representations, and essential hardware components that support operating systems.
- 320 Web Design (3)** (PR: CSC 201 or 241) This class will provide students with the knowledge of how to create a fully functioning website. Students will learn various programming languages used in web design, including Javascript, PHP, ASP.NET, and Ruby. Students will also be introduced to the standard markup languages, stylesheets, and how to use Flash. Finally, students will study how to make the site aesthetically pleasing in every browser while conforming to today's web standards.
- 328 Programming Languages (3)** (PR: CSC 241) This course is designed to introduce the student to a variety of programming languages with the goal of studying the design of languages. This course gives particular emphasis to the differences and similarities among imperative, functional, object-oriented, and logic paradigms. Students will have hands-on assignments to illustrate language design issues and introduce them to programming in a variety of environments. (Every third year)
- 333 Database Processing and Design (3)** (PR: CSC 201 or BADM 299, or POI • XL: BADM 333) This course will introduce database concepts including data modeling, normalization, database design and implementation, data administration, and, as time allows, data warehouses and data mining. The course will include hands-on experience using commercially available database software beyond simple desktop databases. (Every third year)
- 336 Algorithms and Data Structures (4)** (PR: CSC 242) A thorough introduction to the analysis of computer algorithms and to advanced techniques for representing information. Analysis of algorithms involves measuring the time and space an algorithm uses thus providing a method for comparing algorithms. Common algorithms and data structures are introduced and analyzed including search and sort methods, lists, trees, and graphs.
- 350 Numerical Methods (3)** (PR: CSC 250 or 241, and MATH 202, or POI • XL: MATH 350) A study of the use of the computer to solve mathematical problems of interest to scientists and engineers. Topics include function approximation, numerical differentiation and integration, systems of linear equations, least-squares fitting, function minimization, and Monte-Carlo methods. Special emphasis is placed on using matrix methods where appropriate. Students are expected to write several programs illustrating these topics. (Alternate years)
- 398 Honors Research (3-6)** See page 26.
- 411 Operating Systems (4)** (PR: CSC 241 and 311) This course is an overview of the essential components of a modern operating system whose primary task is to manage the computer's hardware resources. Topics include, but are not limited to, process management, memory management, device management, file systems, and interrupt handling. As time allows, students will have hands-on experience in systems programming by writing a device driver or system call. Emphasis will be in handling concurrency inherent in much of the operating system.

- 420 Network and Web Programming (3)** (PR: CSC 241 • RE: CSC 336) This course is designed to introduce the student to how programs communicate over a network. Particular emphasis is given to sockets programming, servlets, and web services. This class is primarily a hands-on programming course involving a series of programming projects designed to practice the areas of emphasis. (Every third year)
- 425 Software Development I (2)** (PR: CSC 242 • RE: CSC 411) A hands-on introduction to the basic concepts of software development as principles are applied to medium-sized software projects. The larger part of this course is manifested as a team project that follows a software development methodology whose result is a complete and practical software system. Students are introduced to software development tools and environments as well as various development methodologies and ethics in software development.
- 426 Software Development II (2)** (PR: CSC 242 • RE: CSC 411) A continuation of CSC 425.
- 430 Artificial Intelligence (3)** (PR: CSC 242 • RE: CSC 336) This course will introduce the student to a wide variety of concepts and ideas from artificial intelligence through (1) practice programming exercises; (2) readings from the text and a variety of journals; (3) interactive intelligent agents distributed through the web and other sources; and (4) lively classroom discussions. Using various components of the course, students will conduct critical analysis of current literature and formulate their own arguments to support their view of the discipline. (Every third year)
- 432 Theory of Computation (3)** (PR: CSC 336 and MATH 211 or 308) A survey of the mathematical foundations of what can and cannot be computed by introducing various classes of languages and their corresponding computational machines. The major categories of complexity for computation are introduced and analyzed including regular expressions, context-free languages, recursively enumerable sets, and intractable problems. (Every third year)
- 442 Directed Studies (1-3)** (PR: JR or SR status and minimum of 9 hrs in CSC) Course designed to allow the student to pursue a topic of special interest under the direction of a member of the department. See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

ECON • Economics

- 201 Principles of Macroeconomics (3)** The study of basic concepts, national income determination, and the effects of monetary and fiscal policies.
- 202 Principles of Microeconomics (3)** The study of microeconomic concepts, price theory, individual and firm choice, market structures, and the distribution of income.
- 258 Special Topics (1-6)** See page 23.
- 300 Capitalism: Its Foundations and Functions (3)** This course will provide students with a thorough understanding of a market capitalist economy by exploring its moral foundations and functions. Students will read, analyze, and discuss Ayn Rand's *Atlas Shrugged* as well as selected articles.
- 304 Money and Banking (3)** (PR: ECON 201 and 202) A study of the nature and functions of money, the commercial banks, the Federal Reserve System, and monetary techniques and policies. Also considered are other types of banking and certain foreign monetary systems as well as everyday problems of credit, credit instruments, and foreign exchange.
- 306 Environmental Economics (3)** (PR: ECON 202) This course is a study of the application of economic concepts to private and public sector decision-making concerning natural and environmental resources. Topics include benefit-cost analysis, intergenerational equity, externalities, public goods, property rights, valuation of environmental goods, and policy implications.
- 310 Intermediate Microeconomic Theory (3)** (PR: ECON 201 and 202) An advanced treatment of microeconomics analysis.
- 317 Investment Analysis (3)** (PR: ACCT 203; JR status or POI) Designed to develop a general understanding of the investment process and the particular criteria used for investment decision. Equity, bond, and derivative markets are studied. Students participate in a stock market simulation which exposes them to situations typically encountered by security analysts and investors.
- 318 International Trade (3)** (PR: ECON 201 and 202) A study of the significance of international trade, its mechanism and its regulation by tariffs, quotas, and governmental monopolies. The international economic position of the United States is discussed and evaluated.
- 320 International Social Entrepreneurship (3)** This course considers basic principles and practices in Social Entrepreneurship (SE), Microfinance (MF), and Microenterprise Development (MED). Class participants will learn to evaluate the appropriateness of SE, MED, and MF in today's international arena. A special focus will be on applied application of microfinance as a uniquely effective empowerment tool in the most poverty-stricken areas of the world. This course will be geared for practical application for students from a wide variety of disciplines and majors. MED is a

relatively new academic and practitioner area of interest and this course promotes the entrepreneurial pursuit of social impact through the thoughtful adaptation of business expertise.

- 326 Comparative Economic Systems (3)** (PR: ECON 201 and 202) A comparative analytical and historical study of the principal economic systems important in the modern world. Emphasis is placed on the basic principals of capitalism and socialism; the variants of capitalism practiced in the United States, Western Europe, and Asia; and the transformation process undertaken in Eastern Europe and the former Soviet Union.
- 327 Economics of Property Rights (3)** (PR: ECON 201 and 202) A study of property rights from philosophical, historical, and public policy points of view. The course will give special attention to the implications of property rights for economic and other freedoms and for prosperity, making use of contemporary examples and applications.
- 330 Intermediate Macroeconomic Theory (3)** (PR: ECON 201 and 202) An advanced treatment of macroeconomic analysis.
- 341 International Political Economy (3)** (XL: PLSC 341) This course examines the evolvement of the international trading system, international monetary and financial system, multinational corporations, international development, and the impact of globalization, with an emphasis on the interaction of political and economic factors.
- 398 Honors Research (3-6)** See page 26.
- 440 Research in Economics, Senior Capstone (2)** The economic major capstone will provide a culminating experience for majors. The course will have three main objectives: to challenge students to understand and interpret contemporary economic events in the light of the theories they have learned in the prior courses, to critique current reading in economic literature, and to conduct a research project under faculty supervision. See page 23.
- 442 Directed Studies (1-9)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

EDEC • Early Childhood Education

- 303 Early Childhood Education Curriculum (3)** (PR: Acceptance into Teacher Education Program) This course will provide an overview of types of programs for young children with emphasis on the history of early childhood education, current trends, and issues. Other areas of focus will include analysis of classroom design, selection of appropriate materials for young children, instructional planning, guidance, developmentally appropriate assessment and referral sources, modifications for children with disabilities, and parent/home relationships and communication.
- 304 Methods and Materials of Early Childhood Education (3)** (PR: Acceptance into Teacher Education Program) This course provides early childhood majors an opportunity to design developmentally appropriate instructional learning activities for young children in preschool, kindergarten, and the primary grades. The course will focus on the content areas of science and social studies. Students will plan units of study that integrate these curriculum areas with literacy, math, health/safety, the arts, and movement.
- 310 Literature for Children (3)** (PR: EDUC 201) This course will provide a survey of literature for children, acquaintance with outstanding authors and illustrators in the field and genres of literature, experiences in evaluating and selecting appropriate literature for children, and techniques for presenting literature to children and integrating it across the curriculum.
- 311 Emergent and Early Literacy (3)** (PR: Acceptance into Teacher Education Program) This course will provide undergraduate students content knowledge and experiences in developing a literacy program for young children. The content will focus on language development; cultural and linguistic diversity; appropriate strategies for fostering emergent literacy; appropriate formal leaning experiences in reading, writing, speaking, and listening; and varied assessment strategies. Students will study various methods of primary grade instruction, including but not limited to phonics; language experience; literature based, shared book experience; and the writing process. Students will also have opportunities to engage young children in literacy activities through field-based experiences. A minimum grade of "C" is required.
- 391, 392, 393 Practicum (1, 1, 1)** (PR: Acceptance into Teacher Education Program; minimum grade of "C" in each practicum course • XL: EDUC 391, 392 and 393) These three practicum experiences comprise over 100 hours of the Teacher Education Program fieldwork and are conducted in school settings. Seminars include EEDA; culturally responsive teaching; service learning; health, safety, and legal issues; assessment; etc.
- 394 Practicum in Classroom Management and Organization (1)** (PR: EDEC/EDUC 392 • XL: EDEL, EDMS and EDSD 394) This practicum in classroom management and organization provides for direct involvement in the school and classroom setting during the week of preplanning and the first week of school. Students study the school context;

learn effective procedures necessary for the establishing, managing, and organizing a classroom; and participate in opening school experiences.

398 Honors Research (3-6) (PR: *Acceptance into Teacher Education Program*) See page 26.

408 Observation/Assessment; 409 Planning; 410 Teaching: Directed

Teaching in Early Childhood Education (3, 3, 6) (PR: *Acceptance into Teacher Education Program; SR status and successful completion of all requirements for clinical practice*) Provides for directed and closely supervised performance of student teachers in the full range of duties of classroom teachers. Regular seminars and personal conferences are an integral component of the course. A minimum grade of "C" is required the College's recommendation for certification.

442 Directed Studies (1-6) (PR: *JR or SR status; departmental majors and students in teacher certification programs; minimum GPA 2.5*) Designed to allow the student to pursue a topic of special interest. See page 23.

444 Internships (1-6) (PR: *minimum GPA 2.5*) See page 23.

446 Readings (1-6) See page 23.

448 Research (1-6) (PR: *departmental majors and students in teacher certification programs; minimum GPA 2.5*) See page 23.

450 Seminar (3) See page 23.

452 Special Projects (1-6) See page 23.

458 Special Topics (1-6) See page 23.

EDEL • Elementary Education

305 Science Methods (3) (PR: *Acceptance into Teacher Education Program*) This course focuses on the content, methods, and materials for teaching science to elementary students. Teacher candidates will use elementary science standards, developmentally appropriate pedagogies, and a variety of assessment strategies in designing, implementing, and evaluating science experiences in elementary settings. Classroom management strategies, safety considerations, family and community connections, and the use of technology will also be addressed.

306 Social Studies Methods (3) (PR: *EDEC 311*) This course focuses on the content, methods, and materials for teaching social studies to elementary students. Teacher candidates will use elementary social studies standards, developmentally appropriate pedagogies, and a variety of assessment strategies in designing, implementing, and evaluating social studies experiences in elementary settings. Classroom management strategies, safety considerations, family and community connections, and the use of technology will also be addressed.

309 Math Content for Elementary Teachers (3) (PR: *Acceptance into Teacher Education Program*) This course focuses specifically on the mathematics content relevant to the teaching of elementary mathematics. This course will strengthen the content knowledge of elementary pre-service teachers in the following content strands: number and operation, geometry, algebra, measurement, and data analysis and probability. Teacher candidates will engage in a variety of experiences geared to increase conceptual understanding of these central content strands in elementary mathematics. These experiences will include problem solving exercises, examining student solutions, justifying mathematical reasoning, and critiquing mathematical solutions of their peers. This course will precede EDEL 312 - Math Methods.

312 Math Methods (3) (PR: *EDEC 311*) This course focuses on the content, methods, and materials for teaching math to elementary student. Teacher candidates will use elementary math standards, developmentally appropriate pedagogies, and a variety of assessment strategies in designing, implementing, and evaluating mathematics in elementary settings. Classroom management strategies, safety considerations, family and community connections, and the use of technology will also be addressed.

313 Teaching Reading at the Elementary Level (3) (PR: *EDEC 311 and EDMS 342*) The content focuses on effective pedagogy for early and fluent readers and writers; developmentally appropriate literacy materials and experiences; cultural and linguistic diversity; and diagnosis and remediation for struggling readers and writers. Candidates will have the opportunity to engage early and fluent readers and writers in literacy activities through field-based experiences.

394 Practicum in Classroom Management and Organization (1) (PR: *EDEC/EDUC 392 • XL: EDEC, EDMS and EDSD 394*) This practicum in classroom management and organization provides for direct involvement in the school and classroom setting during the week of preplanning and the first week of school. Students study the school context; learn effective procedures necessary for the establishing, managing, and organizing a classroom; and participate in opening school experiences.

398 Honors Research (3) (PR: *Acceptance into Teacher Education Program*) See page 26.

405 Observation/Assessment; 406 Planning; and 407 Teaching: Directed Teaching in Elementary Education (3, 3, 6) (PR: *Acceptance into Teacher Education Program; SR status and successful completion of all requirements for clinical practice*) Provides for directed and closely supervised performance of student teachers in the full range of duties of classroom teachers. Regular seminars and personal conferences are an integral component of the course. A minimum grade of "C" is required to receive the College's recommendation for certification.

442 Directed Studies (1-6) (PR: *JR or SR status; departmental majors and students in teacher certification programs only; minimum GPA 2.5*) Designed to allow the student to pursue a topic of special interest. See page 23.

444 Internships (1-6) (PR: minimum GPA 2.5) See page 23.

446 Readings (1-6) See page 23.

448 Research (1-6) (PR: departmental majors and students in teacher certification programs; minimum GPA 2.5) See page 23.

450 Seminar (3) See page 23.

452 Special Projects (1-6) See page 23.

458 Special Topics (1-6) See page 23.

EDMS • Middle School Education

341 Middle School Philosophy and Organization (3) This course will explore the historical perspective of middle schools and examine current trends and issues in middle-level schooling, curriculum, and research. Effective programs and practices in the middle school are explored. A minimum grade of "C" is required.

342 Interdisciplinary Connections through Reading and Writing (3) (PR: Acceptance into Teacher Education Program) The focus of this course is the active engagement of students as readers and writers across the content areas. Students evaluate texts and learn ways to make reading and writing more meaningful for middle-level learners. A minimum grade of "C" is required.

394 Practicum in Classroom Management and Organization (1) (PR: EDEC/EDUC 392 • XL: EDEC, EDEL and EDSD 394) This practicum in classroom management and organization provides for direct involvement in the school and classroom setting during the week of preplanning and the first week of school. Students study the school context; learn effective procedures necessary for the establishing, managing, and organizing a classroom; and participate in opening school experiences.

398 Honors Research (3-6) (PR: Acceptance into Teacher Education Program) See page 26.

400 Middle School – Language Arts Methods (2) (PR: EDMS 341 and 342; SR status) A study of content-specific methodology for middle-level language arts. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level language arts students, classes, teams, and teachers and will use middle-level language arts standards.

401 Middle School – Social Studies Methods (2) (PR: EDMS 341 and 342; SR status) A study of content-specific methodology for middle-level social studies. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level social studies students, classes, teams, and teachers and will use middle-level standards, pedagogy, and assessments.

402 Middle School – Science Methods (2) (PR: EDMS 341 and 342; SR status) A study of content-specific methodology for middle-level science. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level science students, classes, teams, and teachers and will use middle-level science standards, pedagogy, and assessments.

403 Middle School – Math Methods (2) (PR: EDMS 341 and 342; SR status) A study of content-specific methodology for middle-level math. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level math students, classes, teams, and teachers and will use middle-level math standards, pedagogy, and assessments.

410 Observation/Assessment; 411 Planning; and 412 Teaching: Directed Teaching in Middle-School Education (3, 3, 6) (PR: Acceptance into Teacher Education Program; SR status and successful completion of all requirements for clinical practice) These courses provide for directed and closely supervised performance in the full range of duties of a middle-school teacher. Conducted in cooperating middle schools and accompanied by conferences and seminars. Students observe, assess, plan, and teach. A minimum grade of "C" is required to receive the College's recommendation for certification.

442 Directed Studies (1-6) (PR: JR or SR status; departmental majors and students in teacher certification programs only; minimum GPA 2.5) Designed to allow the student to pursue a topic of special interest. See page 23.

444 Internships (1-6) (PR: minimum GPA 2.5) See page 23.

446 Readings (1-6) See page 23.

448 Research (1-6) (PR: departmental majors and students in teacher certification programs; minimum GPA 2.5) See page 23.

450 Seminar (3) See page 23.

452 Special Projects (1-6) See page 23.

458 Special Topics (1-6) See page 23.

EDSD • Secondary Education

301 Principles and Philosophies of Education (3) (PR: Acceptance into Teacher Education Program) Analysis of the organizational structure, curriculum development, and social influences that shape American "secondary" education as they affect the classroom teacher.

302 Methods and Materials of High School Teaching (3) (PR: *Acceptance into Teacher Education Program*) Limited to those students seeking the professional teaching certificate. A consideration of current theories, methods, and materials of secondary school instruction including the development of instructional practices and materials appropriate for the secondary school and familiarization with curriculum materials. Activities and topics are individualized according to the teaching programs of those enrolled. A minimum grade of C is required.

394 Practicum in Classroom Management and Organization (1) (PR: *EDUC/EDEC 392* • XL: *EDEC, EDMS and EDEL 394*) This practicum in classroom management and organization provides for direct involvement in the school and classroom setting during the week of preplanning and the first week of school. Students study the school context; learn effective procedures necessary for the establishing, managing, and organizing a classroom; and participate in opening school experiences.

398 Honors Research (3-6) (PR: *Acceptance into Teacher Education Program*) See page 26.

400 Observation/Assessment; 401 Planning; and 402 Teaching: Directed Teaching In Secondary School Education (3, 3, 6) (PR: *Acceptance into Teacher Education Program; SR status and successful completion of all requirements for clinical practice* • XL: *MUSC 411, 412, and 413*) A program of supervised observation and teaching in cooperation with selected secondary schools in which opportunities are provided for the student to practice the skills of teaching. A minimum grade of "C" is required to receive the College's recommendation for certification.

403 Reading in the Secondary School (3) (PR: *Acceptance into Teacher Education Program*) Required for certification in all secondary areas. Emphasis placed on methods and techniques that teachers can use to teach reading in the content area.

442 Directed Studies (1-6) (PR: *JR or SR status; departmental majors and students in teacher certification programs only; minimum GPA 2.5*) Designed to allow the student to pursue a topic of special interest. See page 23.

444 Internships (1-6) (PR: *minimum GPA 2.5*) See page 23.

446 Readings (1-6) See page 23.

448 Research (1-6) (PR: *departmental majors and students in teacher certification programs; minimum GPA 2.5*) See page 23.

450 Seminar (3) See page 23.

452 Special Projects (1-6) See page 23.

458 Special Topics (1-6) See page 23.

EDUC • Education

102 Teacher Cadet (3) This course is a study of the history, development, organization, and practices of preschool, elementary, and secondary education This course is open to high school students only.

201 Introduction to Education (3) Extensive treatment of the social, political, economic, and philosophical influences that have shaped American education will be covered in this course.

202 History of Education (3) The evolution of educational theories and philosophies with particular emphasis on their impact upon educational developments in the United States.

258 Special Topics (1-6) See page 23.

350 Literacy Technology and Instruction (3) (PR: *Acceptance into Teacher Education Program*) This course is designed to assist teacher candidates with the necessary skills to develop instructional practices that will allow them to incorporate technologies successfully into their classrooms. Projects might include web pages, web quests, computer based grade books, newsletters, book making, etc.

371 Meeting the Needs of All Learners: Exceptional and Diverse (3) An examination of current research and practices related to diverse student populations to include race, ethnicity, language, gender, exceptionalities, socio-economic status and cultural differences. Emphasis is placed on factors that influence learning, instructional strategies, assessment and interventions.

391, 392, 393 Practicum (1, 1, 1) (PR: *Acceptance into Teacher Education Program; grade of "C" or higher in each practicum course* • XL: *EDEC 391, 392 and 393 and MUSC 330L, 331L, and 332L*) The three practicum experiences comprise the fieldwork component of the Teacher Education Program. Fieldwork totals over 100 hours and is conducted in school settings. Seminars include EEDA, culturally responsive teaching, service learning, health, safety, and legal issues, assessment, etc.

440 Capstone Seminar in Education (3) (PR: *Acceptance into the Teacher Education Program or consent of department chair*) This course uses a seminar format in which students engage in discussion, conduct original research, and present their findings in both oral and written reports. The capstone stresses students' skills in analysis and research.

442 Directed Studies (1-6) (PR: *JR or SR status; departmental majors and students in teacher certification programs only; minimum GPA 2.5*) Designed to allow the student to pursue a topic of special interest. See page 23.

444 Internships (1-6) (PR: *minimum GPA 2.5*) See page 23.

446 Readings (1-6) See page 23.

- 448 Research (1-6)** (PR: departmental majors and students in teacher certification programs; minimum GPA 2.5) See page 23.
- 450 Seminar (3)** See page 23.
- 452 Special Projects (1-6)** See page 23.
- 458 Special Topics (1-6)** See page 23.

ENGL • English

- 105 English for International Students (3)** English language course for international students with TOEFL scores between 500 and 600. It emphasizes four-skills language development (listening, speaking, reading, and writing), as well as the critical thinking and cultural skills needed for academic success.
- 109 Composition (3)** (Required of students whose preparation in writing needs strengthening • Offered on a pass/fail basis only • Successful completion of 109 required for 110) The course consists of intensive reading and writing with formal instruction in grammar and mechanics. (Fall and Spring)
- 110 Composition and World Literature I (3)** Students will develop proficiency in composition through a thematic study of works that may be selected from ancient to modern world literature. (Fall and Spring)
- 111 Composition and World Literature II (3)** (PR: ENGL 110) A detailed exploration of selected genres, such as Introduction to Film, Introduction to Autobiography, Introduction to the Novel, Introduction to the Short Story, and Introduction to the Graphic Novel. (Spring)
- 201 Survey of British Literature I (3)** (PR: ENGL 110 and 111) Individual works by major writers of British literature from *Beowulf* to 1798 are studied critically in chronological order, with some attention to backgrounds and characteristics of respective literary periods. (Fall)
- 202 Survey of British Literature II (3)** (PR: ENGL 110 and 111) Individual works by major writers of British literature from 1798 to the present are studied critically in chronological order, with some attention to backgrounds and characteristics of respective literary periods. (Spring)
- 203 Survey of World Literature (3)** (PR: ENGL 110 and 111) A survey of world literature from the origins of writing to modern times. Texts range from pre-Biblical to pre-Columbian, and include early Indian epic, classical Greek drama, medieval tales from East Asia and Western Europe, Arabic verse, and West African choral storytelling. Key themes include mythic treatment of tribal relations; lyric treatments of love; epic tales of morality, and action; problems of gender and power; and the relations between religion and literature. (Alternate years)
- 206 Survey of American Literature I (3)** (PR: ENGL 110 and 111) A survey of American literature from the Age of Faith to the Age of Reason to the Romantic Age with emphasis on the essays, poems, and fiction of Emerson, Thoreau, Hawthorne, Melville, and Whitman. A communication and evaluation of the history of ideas revealed in early American literature and relevant today. (Fall)
- 207 Survey of American Literature II (3)** (PR: ENGL 110 and 111) A discussion and evaluation of the history of ideas in America from the Civil War to the present, including readings from Mark Twain and Emily Dickinson to Louise Erdrich and August Wilson. Realistic, naturalistic, existentialistic, modern, and contemporary thought and literature will be studied. (Spring)
- 208 Introduction to Literary Theory and Criticism (3)** (PR: ENGL 110 and 111) A survey of major works of literary theory and criticism, beginning with classical criticism and ending with contemporary theory. Organized by historical period, the course evaluates the evolution of critical practices, emphasizing the interconnectedness of literature and theory while developing awareness of diverse methods of interpretation. (Alternate years)
- 209 African American Literature (3)** (PR: ENGL 110 and 111) This course will survey literary production by African Americans from the mid-18th century to the late 20th century. Essays, autobiographies, speeches, poems, novels, short stories, plays, songs, and films will allow us to see the multiple ways in which African Americans have put into words and made senses of their experiences with in American society across the centuries. But such works also help us in understanding and coming to terms with significance of race (as well as class, gender, sexuality, and religion) in American's past and present. (Alternate years)
- 210 Introduction to World Cinema (3)** (PR: ENGL 110 and 111 • XL: FILM 210) A survey of the important genres, theories, techniques, and international movements of film history. Representative films from the silent era to the present, and from America to Europe and Asia, will be covered. (Alternate years)
- 213 Research Methods (3)** (PR: ENGL 110 and 111) This course introduces students to the various research methods and practices used by literary and interdisciplinary scholars; guides students in identifying and evaluating secondary sources for use in research-based essays and projects; and asks students to apply these methods in various writing forms that comprise the research process (e.g., topic statement, research questions, abstract, annotated bibliography, and research-based final paper). Students may not take this course after taking the Senior Capstone course. (Spring)
- 215 Creative Writing: Poetry (3)** (PR: ENGL 110, 111, and POI • Only one course, ENGL 215, 216, or 217, may count toward the ENGL major unless the student chooses the creative writing concentration) A study of and an involvement in the creative process of writing poems. Extensive reading of modern and contemporary poems as models of the craft.

- Students will write free verse and traditional forms. Honest but tactful criticism of fellow students' poems will be expected from each student. Short essays on contemporary poetry will be required. (Fall)
- 216 Creative Writing: Fiction (3)** (PR: ENGL 110, 111, and POI • Only one course, ENGL 215, 216 or 217, may count toward the ENGL major unless the student chooses the creative writing concentration) A study of and an involvement in the creative process of writing fiction. Extensive reading of contemporary short stories and novels. All students will write several pieces of fiction. Honest but tactful criticism of fellow students' work will be expected from each student. (Spring)
- 217 Creative Writing: Creative Nonfiction (3)** (PR: ENGL 110, 111, and POI • Only one course, ENGL 215, 216, or 217 may count toward the ENGL major unless the student chooses the creative writing concentration) Emily Dickinson said, "Tell the truth, but tell it slant." Using these words of inspiration and guidance, the Creative Nonfiction class will ask students to tell their own stories through personal essays that seek the essence of the story's truth but aren't afraid to use the artist's many techniques and imaginative gifts to create a work that bears the "personal stamp" of that writer/artist. Each student will build a portfolio of essays that will be analyzed through the workshop process. The class will also read and critique essays from such well-known nonfiction writers as Frank McCourt, Joan Didion, Nick Flynn, Eula Biss, Frank Conroy, Mary Karr, and Ian Frazier. (Alternate years)
- 219 Studies in Linguistics (3)** (PR: ENGL 110 and 111) A survey of the history of the English language, an introduction to modern theories of English grammar, and a rigorous review of usage rules for written English. (Spring)
- 220 Writing Tutor Practicum (1)** (PR: ENGL 110, 111, POI, and selection as a writing center tutor • Offered on a pass/fail basis and may not be counted toward the ENGL major) A practical course in how to help others with writing through a writer-centered approach. Students will study methods for effective tutoring in writing with actual experience in the writing center. (Fall and Spring)
- 258 Special Topics (3)** See page 23.
- 300 Media and Society (3)** (PR: ENGL 110 and 111 or equivalent and POI • XL: ART 300) A course dealing with media history, uses, and values. It will consider such media as newspapers, magazines, radio, television, recordings, motion pictures, theatre, music, and the arts in regard to how they affect society and the individual. Students will investigate these media and the social, economic, and historical milieu from which they emerge as well as the aesthetic and ethical values attributed to them. The course will use nontraditional approaches to the subject matter, and active participation by the students will be an essential element of the course. Enrollment limited; students will be selected by GPA and faculty interview. (Fall)
- 305 18th Century Poetry and Prose (3)** (PR: ENGL 110 and 111; 200-level literature course or POI • Pre-1900 literature course) An examination of the chief works of Dryden, Swift, Pope, Johnson, and others against the background of 18th-century society and thought. Collateral reading; term project. (Alternate years)
- 306 Poetry and Prose of the Romantic Period (3)** (PR: ENGL 110 and 111; 200-level literature course or POI • Pre-1900 literature course) An examination of the chief poems and essays of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, Hazlitt, Wollstonecraft, and De Quincey. Collateral reading; critical essays and analyses. (Alternate years)
- 313 Adolescent Literature (3)** (PR: ENGL 110, 111, and POI • Post-1900 literature course) A survey of adolescent literature (including print and non-print media) and informational materials suited to the use of junior and senior high school students. Attention given to reading interests and needs of the adolescent. Also considered is the relation of the teacher to the school library program or media center and current trends in teaching with books. (Alternate years)
- 314 Southern Literature (3)** (PR: ENGL 110, 111, and POI; ENGL 206 for English majors/minors or SOST 205 for Southern Studies minors • XL: SOST 314 • Post-1900 literature course) A survey of significant Southern writing from Colonial days to the present. Particular attention will be paid to the writers of the 20th century. (Alternate years)
- 315 Appalachian Literature (3)** (PR: ENGL 110, 111; ENGL 206 for English majors/minors or SOST 205 for Southern Studies minors; POI • XL: SOST 315 • Post-1900 literature) A survey of Appalachian fiction, poetry, and drama from the 1920s to the present, focusing on cultural identity, landscape, musical and religious heritage, regionalism, and migration experiences. (Alternate years)
- 317 Chaucer (3)** (PR: ENGL 110 and 111 • Pre-1900 literature) A study of the works of England's first major poet, with special attention to the *Canterbury Tales*. The course will include collateral readings about sources for Chaucer's work and the cultural milieu of 14th century England. (Alternate years)
- 318 Topics in Medieval Literature (3)** (PR: ENGL 110 and 111 • Pre-1900 literature • May be taken more than once for credit) A survey of significant works from the medieval period, excluding Chaucer's *Canterbury Tales*. The course will focus on one unifying theme, such as Arthurian Literature, Medieval Romance, Women in the Middle Ages, et. al. (Alternate years)
- 320 Silent Film (3)** (PR: ENGL 110, 111, and POI • XL FILM 320) A survey of film's formative years, from the Edison kinetoscopes of the 1890s to the international flowering of the 1920s, focusing on thematic trends, development of genres, and increasing complexity of film grammar. Directors whose works we will study will include Griffith, Eisenstein, Vidor, Lang, Chaplin, Murnau, Gance, and von Sternberg. (Alternate years)
- 322 Women's Literature (3)** (PR: ENGL 110 and 111 • Post-1900 literature) A critical study of American and British women writers, which may examine the following themes: myths of the female, the woman artist, the female

- bildungsroman*, love and friendship, communities of women, women and war, women's place in the nation, and female spirituality. (Alternate years)
- 323 Film and American Culture (3)** (PR: ENGL 110 and 111 • XL: FILM 323) A study of the way in which social, political, economic, and cultural forces in America have influenced or been depicted by or in American film. Selected directors whose films will be viewed include Griffith, Chaplin, Hitchcock, Altman, Levinson, Tarantino, and others. (Alternate years)
- 324 Women's World Literature (3)** (PR: ENGL 110 and 111 • Post-1900 literature) A complement to ENGL 322. An introduction to women's literature written by artists from across the globe (including Africa, the Middle East, Asia, and Latin America) which focuses on texts composed after 1900. (Alternate years)
- 325 Renaissance Poetry and Drama (3)** (PR: ENGL 110 and 111 • Pre-1900 literature) An application of Renaissance intellectual history to the study of the overreacher and the Petrarchan and Ovidian love traditions in 16th- and 17th-century English poetry and non-Shakespearean drama. (Alternate years)
- 326 Practicum in the Writing Center (1)** (PR: ENGL 110, 111, and 220 • may be taken more than once for credit; offered on a pass/fail basis and may not count toward the English major) A practical course in helping other students with writing through a writer-centered approach. The course includes mentoring beginning tutors, tutoring writers, and working on projects in the Writing Center. (Fall and Spring)
- 327 Film Noir (3)** (PR: ENGL 110, 111, and POI • XL: FILM 327) A survey of the classic era (1941-1958) of Film Noir, examining the literary and cinematic influences, visual style, and psychological and gender issues present in the Noir canon. We will also examine the resurgence of Noir during the decades on either side of the Millennium. (Alternate years)
- 329 The Victorian Age (3)** (PR: ENGL 110 and 111; 200-level literature course or POI • Pre-1900 literature) An examination of the chief writers and their work against the background of 19th century life and thought, including Tennyson, Browning, Arnold, Ruskin, Carlyle, Mill, the Rossettis, Morris, Wilde, and others. Critical essays and analyses. (Alternate years)
- 332 Advanced Writing (3)** (PR: ENGL 110 and 111) A study of the advanced rhetorical strategies that inform a variety of writing styles, with particular emphasis on academic writing. Students will write several essays, revise them regularly, and assemble a final portfolio of their best written work. (Alternate years)
- 333 Advanced Creative Writing Workshop (3)** (PR: ENGL 110, 111 and POI • open to students majoring in English with the emphasis in creative writing or minoring in creative writing) An intensive study of the process of creative writing for advanced students. Students will work on large scale, individual writing projects (poetry portfolio, short-story collection, novel, novella, screenplay, graphic novel, etc.), as well as read extensively in their chosen genre. Honest but tactful criticism of fellow students' work in class workshops will be required from each student. (Alternate years)
- 334 Southern Women's Writing (3)** (PR: ENGL 110 and 111 • Post-1900 literature) This course examines how modern and contemporary women writers represent and imagine the south in their texts — including, novels, short stories, autobiographies, and poems — and, in doing so, how they illuminate the dynamic of race, ethnicity, gender, class, and sexuality within 20th and 21st century southern society. (Alternate years)
- 336 The American Renaissance (3)** (PR: ENGL 110, 111, and 206 • Pre-1900 literature) A comprehensive survey of the literary flowering of 1850-1855 that produced the transcendentalist poetry and prose of Emerson, Thoreau, and Whitman and the novels of Hawthorne and Melville. (Alternate years)
- 338 American Identities (3)** (PR: ENGL 110 and 111 • Post-1900 literature) A survey of works that address the multiple meanings and uses of the term "American" as applied to (or kept from) individuals and groups throughout the history of the United States. Focusing on what it has meant historically to be (or not to be) an American, this course will explore how groups of Americans have experienced life within this country's borders differently given their particular racial, ethnic, class, gender, and sexual identities. (Alternate years)
- 341 Postcolonial Literature and Film (3)** (PR: ENGL 110 and 111; XL: FILM 341 • Post-1900 literature) This course focuses on regions of the world that, in the mid-20th century, gained political independence after years of colonial rule (Southeast Asia, Africa, the Caribbean) and explores the rich hybridity of the literature and cinema they have produced in the past half-century. Questions raised by globalization, transnationality, and diasporic identity will also be addressed. (Alternate years)
- 343 Modern Chinese Literature and Film (3)** (PR: ENGL 110 and 111 • XL: FILM 343 • Post-1900 literature) This course surveys the major developments in 20th-century Chinese literature and film, starting in the Republican era, then moving through the Maoist years to the cultural resurgence that has followed. Primary focus is on social landscapes, the cultural imaginary, and the depiction of ordinary people's lives. (Alternate years)
- 345 Holocaust Literature (3)** (PR: ENGL 110 and 111 • Post-1900 literature) This course will examine the intentional destruction of European Jewry through a variety of literary forms: memoir, fiction, poetry, and film. Selected authors include Levi, Spiegelman, Kosinski, Applefeld, and Borowski (Fall, odd years)
- 347 Southern Jewish Literature (3)** (PR: ENGL 110 and 111 • Post-1900 literature) This course examines works by Jewish authors who are natives or transplants to the American South but who, in either case, consider the South their home. This "braided" community—Jews, Christians, Southerners, Americans—helps us understand the South to be far

- less homogeneous than otherwise imagined. Selected authors covering an array of literary genres Uhry, Kushner, Greene, and Mirvitz. (Alternate years)
- 350 Shakespeare (3)** (PR: ENGL 110 and 111 • Pre-1900 literature) A critical study of representative histories, comedies, tragedies, and romances, with emphasis on Shakespeare's development as a dramatic artist. (Fall)
- 356 Modern and Contemporary Drama (3)** (PR: ENGL 110 and 111 • XL: THEA 356 • Post-1900 literature) This course explores the influence of realism, naturalism, expressionism, and finally absurdism on contemporary drama, while paying particular attention to American and British playwrights. (Alternate years)
- 361 The English Novel to 1900 (3)** (PR: ENGL 110 and 111 • Pre-1900 literature) A study of the English novel from its emergence in the 18th century through its eminence in the 19th century, including such novelists as Fielding, Richardson, Austen, the Brontës, Dickens, Eliot, Hardy, and others. (Alternate years)
- 365 The Modern British and American Novel (3)** (PR: ENGL 110 and 111 • Post-1900 literature) A critical survey of the development of the novel in the 20th century, focusing on major authors. The reading list is determined from the following authors of the Modern Period: Forster, Joyce, Conrad, Woolf, Lawrence, Faulkner, Hemingway, and Fitzgerald. Post WWII and postmodern authors represented may include Ellison, Morrison, Pynchon, M. Amis, Fowles, Flannery O'Connor, Bellow, and Barth. (Alternate years)
- 371 Modern Poetry (3)** (PR: ENGL 110 and 111 • Post-1900 literature) A survey of modern British and American poets, with particular attention to W.B. Yeats, T.S. Eliot, and Robert Frost. Collateral readings and selected analyses. (Alternate years)
- 381 The Teaching of Composition (3)** (PR: ENGL 110 and 111) Beginning with a brief review of grammar, the course introduces future secondary English teachers to composition theory and the teaching of writing. Students will gain practical experience in working individually with students and grading essays. (Alternate years)
- 398 Honors Research (3-6)** (PR: ENGL 110 and 111) See page 26.
- 420 Senior Capstone in English (3)** (PR: ENGL 110 and 111; POI; SR status or consent of the department) Readings in literature selected by the English faculty. Course uses a seminar format in which students engage in discussion, conduct original research on a topic of their choice, and present to the class their findings in both oral and written reports. Stresses students' skills in analysis, research, and communication. (Fall and Spring)
- 442 Directed Studies (3)** (PR: ENGL 110 and 111; ENGL major; minimum of 9 hours in ENGL above ENGL 111) Readings and research on a topic proposed by the student and approved by the Department of English. See page 23.
- 444 Internships (1-3)** (May not be counted toward the English major) Internships in publishing, journalism, and related fields must be approved by the student's advisor. See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

FILM • Film Studies

- 210 Introduction to World Cinema (3)** (XL: ENGL 210) A survey of the important genres, theories, techniques, and international movements of film history. Representative films from the silent era to the present, and from America to Europe and Asia, will be covered. (Alternate years)
- 320 Silent Film (3)** PR: ENGL 110, 111, and POI • XL: ENGL 320) A survey of film's formative years, from the Edison kinetoscopes of the 1890s to the international flowering of the 1920s, focusing on thematic trends, development of genres, and increasing complexity of film grammar. Directors whose works we will study will include Griffith, Eisenstein, Vidor, Lang, Chaplin, Murnau, Gance, and von Sternberg. (Alternate years)
- 322 Introduction to French Cinema (3)** (PR: FREN 202 or POI • XL: FREN 322) A survey of the history of French cinema from the silent era to the present day. Important genres, theories, and techniques from all periods will be covered. Emphasis will be placed on the most representative French cinematographic schools and auteurs throughout history, including Truffaut and the nouvelle vague and Malle and the cinéma engagé.
- 323 Film and American Culture (3)** (PR: ENGL 110 and 111 • XL: ENGL 323) A study of the way in which social, political, economic, and cultural forces in America have influenced or been depicted by or in American film. Selected directors whose films will be viewed include Griffith, Chaplin, Hitchcock, Altman, Levinson, Tarantino, and others. Only one course 211 or 323 may count toward the major. (Alternate years)
- 327 Film Noir (3)** (PR: ENGL 110, 111, and POI • XL: ENGL 327) A survey of the classic era (1941-1958) of Film Noir, examining the literary and cinematic influences, visual style, and psychological and gender issues present in the Noir canon. We will also examine the resurgence of Noir during the decades on either side of the Millennium.
- 335 Film and Philosophy (3)** (XL: PHIL 335) This course invites students to apply philosophical skills of careful examination, cooperative conversation, and thoughtful writing beyond the realm of written texts. (Alternate years)
- 341 Postcolonial Literature and Film (3)** (PR: ENGL 110 and 111; XL: ENGL 341) This course focuses on regions of the world that, in the mid-20th century, gained political independence after years of colonial rule (Southeast Asia, Africa, the Caribbean) and explores the rich hybridity of the literature and cinema they have produced in the past half-century. Questions raised by globalization, transnationality, and diasporic identity will also be addressed. (Alternate years)

- 343 Modern Chinese Literature and Film (3)** (PR: ENGL 110 and 111 • XL: ENGL 343) This course surveys the major developments in 20th-century Chinese literature and film, starting in the Republican era, then moving through the Maoist years to the cultural resurgence that has followed. Primary focus is on social landscapes, the cultural imaginary, and the depiction of ordinary people's lives. (Alternate years)
- 442 Directed Studies (1-6)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

FREN • French

- 101 Introductory French I (4)** A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of francophone culture.
- 102 Introductory French II (4)** (PR: FREN 101 or placement) A continuation of FREN 101.
- 151 Accelerated Introductory French (4)** An accelerated course for students with previous study of French. Continues the development of fundamental skills with an emphasis on speaking and comprehension. Credit cannot be received for both FREN 151 and 102.
- 201 Intermediate French I (3)** (PR: FREN 102, 151, or placement) A study of French civilization with grammar review, pronunciation, and aural comprehension practice.
- 202 Intermediate French II (3)** (PR: FREN 201 or placement) A continuation of FREN 201.
- 258 Special Topics (1-6)** See page 23.
- 301 Advanced French Composition and Conversation I (3)** (PR: FREN 202) An advanced course designed to develop oral and written proficiency in French. Continues the acquisition of language skills through discussions, oral presentations, and essays based on readings about contemporary France.
- 302 Advanced French Composition and Conversation II (3)** (PR: FREN 301) A continuation of FREN 301.
- 322 Introduction to French Cinema (3)** (PR: FREN 202 or POI • XL: FILM 322) A survey of the history of French cinema from the silent era to the present day. Important genres, theories, and techniques from all periods will be covered. Emphasis will be placed on the most representative French cinematographic schools and auteurs throughout history, including Truffaut and the nouvelle vague and Malle and the cinéma engagé.
- 333 Introduction to Literary Appreciation (3)** (PR: FREN 301 and 302) An introduction to the vocabulary and techniques of literary criticism and to the nature of the main literary movements.
- 343 French Apprenticeship (3)** (PR: FREN 302 and consent of the department) Students observe beginning language classes and eventually teach segments of the course and prepare audio-visual materials and tests under the close supervision of the first-year teacher.
- 391 Advanced Grammar and Phonetics (3)** (PR: 3 hrs at 300 level) A study of French grammar, syntax, and phonetics designed to address the difficulties encountered by the advanced students seeking to perfect their mastery of the language. (Alternate years)
- 398 Honors Research (3-6)** See page 26.
- 401 French Literature before 1600 (3)** (PR: FREN 333) A survey of French literature in the Middle Ages and the Renaissance. (Alternate years)
- 402 17th Century French Literature (3)** (PR: FREN 333) An examination of French classicism and the relationship of literature to painting, architecture and music. (Alternate years)
- 403 18th Century French Literature (3)** (PR: FREN 333) The history of the Enlightenment in France through the works of Montesquieu, Voltaire, Diderot, Rousseau and Beaumarchais. (Alternate years)
- 404 19th Century French Literature (3)** (PR: FREN 333) A study of the major literary movements in France during the 19th century including romanticism, realism, symbolism, and naturalism. (Alternate years)
- 405 Contemporary French Drama and Poetry (3)** (PR: FREN 333) A survey of representative modern French poetry and theatre. (Alternate years)
- 406 French Novel: 20th Century (3)** (PR: FREN 333) A study of major authors and new developments in the novel during the 20th century. (Alternate years)
- 410 French Civilization (3)** (PR: 3 hrs at 300 level) A study of French civilization from prehistoric times to the present with emphasis on geography, history, social structure, and artistic contributions of the society. (Alternate years)
- 440 Senior Capstone in French (1)** (PR: JR or SR status) The Senior Capstone in French assesses overall knowledge of the French language and the culture and civilization of the French-speaking world. As a form of summative assessment of oral and written skills in the French language, the capstone project integrates communicative, linguistic, and intercultural competence.

442 Directed Study in French (3-9) (PR: French majors who have completed FREN 301, 302, 333, and at least six additional hours beyond FREN 202) Readings and research on a topic approved by the department. See page 23.

444 Internships See page 23.

446 Readings See page 23.

448 Research See page 23.

450 Seminar See page 23.

452 Special Projects See page 23.

458 Special Topics in French (1-6) (PR: FREN 202) Directed independent studies in areas of French civilization or foreign language teaching methods on topics approved by the department. See page 23.

FRST • Freshman Studies

105 Freshman Seminar (1) An interdisciplinary course designed specifically for freshman to emphasize critical thinking, communication, and small group experiences. (Fall)

110 Introduction to Inquiry (2-3) An interdisciplinary course designed specifically for freshman to emphasize critical thinking, communication, and small group experiences. (Fall)

GEOG • Geography

301 Geography of the Developed World (3) A survey of the technologically advanced nations emphasizing the resources, cultural characteristics, and economic activities of each region. (Alternate years)

302 Geography of the Less Developed World (3) A regional survey of the less technologically advanced nations emphasizing the problems of economic developments and socio-demographic patterns. (Alternate years)

GERM • German

101 Introductory German I (4) A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of German culture.

102 Introductory German II (4) (PR: GERM 101 or placement) A continuation of GERM 101.

201 Intermediate German I (3) (PR: GERM 102 or placement) A continuation of GERM 102 with increased emphasis on German civilization, aural comprehension, and conversation.

202 Intermediate German II (3) (PR: GERM 201 or placement) A continuation of GERM 201.

258 Special Topics (1-6) See page 23.

301 Advanced German Composition and Conversation I (3) (PR: GERM 202) An advanced course designed to develop skills in oral and written communication in German. Discussions, oral presentations, and essays based on contemporary texts and tapes.

302 Advanced German Composition and Conversation II (3) (PR: GERM 301) A continuation of GERM 301.

321 Survey of German Literature I (3) (PR: GERM 302 or POI) A study of representative German dramas and novellas of the 18th and 19th centuries.

322 Survey of German Literature II (3) (PR: GERM 302 or POI) A study of representative German prose works of the 20th century.

343 German Apprenticeship (3) (PR: GERM 302 and consent of the department) Students observe beginning language classes and eventually teach segments of the course and prepare audio-visual materials and tests under the close supervision of the first-year teacher.

398 Honors Research (3-6) See page 26.

405 German on the Internet (3) (PR: GERM 302 or POI) This course will explore and contrast various German language media, both popular and legitimate, and develop critical insight into their treatment of topics such as politics, business, sports, popular culture, and general culture. (Every third year)

410 German Civilization (3) (PR: GERM 302 or POI) A study of German civilization including geography, history, social structure, and cultural life.

420 German Film and Society (3) (PR: GERM 302 or POI) This course will study a representative selection of German language films from the early 20th century up to recent works. They will be discussed in connection with the contemporary social and political developments in the German speaking countries.

440 German Literature Capstone (3) (PR: GERM 302 or POI) This course will study several major German-language literary works from different historical periods, focusing on the development of language, form, and themes in the historical context.

442 Directed Studies in German (3-9) (PR: GERM 302) Open to students planning to major in German who will complete their major with a junior year abroad or for students taking German as the second foreign language for a modern foreign languages major. See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics in German (1-6) (PR: *GERM 302*) Directed independent study on a topic approved by the department. See page 23.

GREK • Greek

301 Elementary Greek I (3) Foundational studies of the Hellenistic Greek of the New Testament. Emphasis on vocabulary building, rules of grammar, and syntax. Regular translation of Greek to English and English to Greek required. (Alternate years)

302 Elementary Greek II (3) (PR: *GREK 301*) A continuation of *GREK 301*.

401 Advanced Greek I (3) (PR: *GREK 302*) Concentrates on reading selected texts from the New Testament to improve facility with the language and understanding of more advanced points of grammar and syntax. (Alternate years)

402 Advanced Greek II (3) (PR: *GREK 401*) A continuation of *GREK 401*.

442 Directed Studies (1-6) See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

HEBR • Hebrew

261 Biblical Hebrew I (3) An introduction to the grammar, syntax, and vocabulary of Biblical Hebrew. (Alternate years)

262 Biblical Hebrew II (3) (PR: *HEBR 261*) A continuation of *HEBR 261*. (Alternate years)

442 Directed Studies (1-6) See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

HIST • History

1100 Rise of World Cultures and Ideas (3) A study of the emergence and development of great ideas and cultures in the ancient and medieval eras.

1101 Introduction to the Modern World (3) A study of the development of great ideas and cultures of the modern era.

2200 American History I (3) An account of the political, economic, military, diplomatic, religious, and social development of the United States from the founding of the colonies to c. 1865.

2201 American History II (3) A continuation of the study of the United States from 1865 to the present.

2400 Ancient and Medieval Europe (3) This course will explore the major events, transitions, and junctures in Europe to c.1500. The course will emphasize the origins of western institutions and values such as democracy and Christianity. Key areas of study include the ancient Middle East, Greco-Roman culture, medieval life and culture, the Renaissance, and the Reformation.

2401 Modern Europe (3) This course will explore the major events, transitions, and historical junctures in Europe since 1500. The course will emphasize Europe's interaction with the world, as well as the rise and fall of large European imperial projects. Key areas of study include the Enlightenment, European revolutions, the development of democracy, and the World Wars.

2800 Encounters Afar (3) Offered during the spring semester, this course involves students in an intensive study of a particular city's or region's history. The course culminates in a one-week study tour of the designated locale during Spring Break. (Extra fees for travel may apply.)

3210 Colonial and Revolutionary America (3) This course studies important themes in early North America, including the colonial era, the American Revolution, and the establishment of the new nation.

3211 Young America (3) This course studies issues confronting a new nation, including the rise of democracy, the exploration of the frontier and westward expansion, slavery and the South, benevolence and reform, and sectionalism and the Civil War.

3212 Emergence of Modern America, 1865-1920 (3) This course studies the evolution of the United States from Reconstruction to the end of the First World War.

- 3213 Modern America, 1920-Present (3)** This course studies the development of the United States from the end of the First World War to present day.
- 3240 History of the South (3)** This course is a survey of the history and culture of the South from the period of early settlement to the present. Special attention will be given to the Old South, the institution of slavery, the Civil War and Reconstruction, the New South, the Civil Rights movement, and the South in the Modern Era.
- 3241 Women in American History (3)** This course will introduce students to major themes in American women's history. It will examine the lives of women as workers, as family members, and as active participants in the public arenas of voluntary association and political activism. It will further explore the diversity of women's experiences in terms of race, religion, class, and ethnic identity while also touching on the lives of specific notable women in American history.
- 3242 US Diplomatic History (3)** This course is a survey of American foreign relations from 1890 to the present. Particular emphasis is given to America's emergence as a global power and the Cold War.
- 3243 American Military History (3)** This course is a survey of the military history of the United States from its European backgrounds to the contemporary age.
- 3244 Religion in America (3)** (XL: RELG 355) This course is a survey of the American religious experience from colonial times to the present, with particular emphasis on the interaction of religion and American life.
- 3245 African-American History (3)** (XL: RELG 356) This course is an examination of the African-American contribution to the life of the American people from the period of slavery to the present. Particular emphasis is placed on the relationship of African-American religion to American history and culture. (Alternate years)
- 3270 Topics in American History (3)** (May be taken more than once for credit) This course is a study of a particular event, theme or era within American history. Previous offerings include the American Revolution, JFK Assassination, the Civil War, 1960's America, the Vietnam War, and Native American History.
- 3410 Medieval England and France (3)** This course compares the stories of the rise of England and France as medieval, Christian monarchies, emphasizing the career of Charlemagne, Anglo-Saxon Christian culture, and the rivalry that emerged between the kingdoms following 1066.
- 3411 Tudor and Stuart England (3)** This course examines the upheaval and change that occurred in England in the sixteenth- and seventeenth-centuries when religion and politics created crises that altered the course of English history and produced a Protestant and constitutional monarchy that was poised for leadership on the world stage.
- 3412 Modern Britain (3)** This course will explore the modern history of Britain, including Wales, Scotland, and Ireland. The course will emphasize the importance of the British Empire to modern Britain, and will explore the key political, social, and cultural events that shaped the modern era. The course will begin in the Georgian era and finish with the rise of neo-liberalism and globalization in Britain.
- 3413 The Soviet Union: Terrible Greatness (3)** This course follows the grand and brutal socialist experiment that began with the Russian Revolution in 1917 and ended in the dissolution of the Soviet Union in 1991. Special focus will be on the contrast between utopian visions of a glorious communist future and the harsh Soviet reality of the gulags and the terror of the secret police.
- 3414 Germany: The Restless Nation (3)** This course explores the history of Europe's most restless nation between 1871 and 2000. The course will pay close attention to Germany's delayed formation as a nation state, the legacy of WWI and the rise of Nazism, the impact of WWII, and the successful re-integration of Germany into the Western world after 1945.
- 3415 History of Scotland (3)** This course is a survey of the history of Scotland from earliest times to the 18th century. Principle themes of the study include how the Scottish interacted with the greater European world and in particular with England and how the Christian tradition developed culminating in the Presbyterian Church.
- 3416 History of Ireland (3)** This course is a survey of the history of Ireland from the age of St. Patrick to the struggle for independence. Principle themes of the course include religion and culture, colonization and national identity, and crisis and immigration.
- 3440 Greeks, Romans, and Barbarians (3)** This course studies the contributions of the Greeks and Romans to the West and how Greco-Roman culture was preserved or altered by post-Roman peoples.
- 3441 History of Christianity (3)** (XL: RELG 357) This course is a historical survey of Christianity from its beginnings to the present. Particular emphasis is on the development of Christian thought and its expression in the Church.
- 3442 Renaissance and Reformation (3)** This course studies the Renaissance and the Protestant and Catholic Reformations as transformational events that matured Europe out of its medieval past towards the modern era.
- 3443 French Revolution (3)** This course examines the origins, course, and impact of the French Revolution of 1789. It covers the Enlightenment scholars' challenge to the abuses of absolutist France under Louis XVI, the high aspirations of the early revolutionaries, the descent into the Terror, and Napoleon's takeover of the Revolution in 1799. Special focus will be on the commemoration and changing meaning of the event over time.
- 3444 World War II in Europe: History, Experience, and Memory (3)** This course will focus on the military, political, economic, and social dimensions of the war in Europe and the USSR. Topics and themes include: Hitler's war aims, the uses of propaganda, civilian mobilization and "total" war, racial policies and genocide, and the collaboration and

- resistance of civilians under Nazi occupation. The course will conclude with a survey of the ways in which the war has been, and continues to be, commemorated and debated in the European countries that took part in the war.
- 3445 The Holocaust (3)** This course will analyze the major events and the popular memories of the Holocaust. Using memory studies as well as history, the course will cover not only the development of nationalist politics, anti-Semitism and racism within Germany, but how different social groups remember, interpret, and communicate this traumatic period.
- 3446 Global History of Sport (3)** This course will explore the multiple historical perspectives on the importance of sport to cultural life across the globe. Sport can play a role in social cohesion, national morale, international relationships, economic vitality, and political power. This course will evaluate the roles that sports played throughout history, as well as how they fit within broader patterns of cultural change.
- 3470 Topics in European History (3)** (*May be taken more than once for credit*) This course is a study of a particular event, theme, or era within European history. Previous offerings include Global Environmental History, Comparative Fascism, The Byzantine Empire, History of Sexuality, and World War II in the Pacific.
- 3610 Traditional China (3)** This course is a survey of ancient and traditional China up to the impact of the West in the 19th century. After a brief coverage of pre-historic and ancient developments, particular emphasis will be given to the classical philosophies, the imperial and bureaucratic state, and to the dynastic cycles.
- 3611 Modern China and East Asia (3)** This course is a survey of historical developments and politics of China in the 19th and 20th centuries, particularly in the period since 1949. Briefer treatment of recent histories and contemporary politics of Japan and Korea will be included.
- 3612 History of India (3)** This course is a survey of the history and culture of India from ancient times to the present with an emphasis on the basic institutions of Indian life, the influence of British colonialism, and India's experience since independence.
- 3613 Middle Eastern History and Civilization (3)** This course is a survey of Middle Eastern History from the rise of Islam through the Iranian Revolution. This course explores the culture and history of the Islamic world with particular focus on the evolution and spread of Islam from the 7th century onward; the rich literary, artistic, and architectural heritage of the Islamic World throughout this period; and the rise of nationalism/regionalism in response to the increasing European and American presence in this region throughout the 20th century.
- 3614 History of Cuba (3)** This course examines the political, social, economic, and cultural history of Cuba from Spanish colonialism to the present. Key issues addressed in the course will include colonialism, slavery, neo-colonialism, independence, social revolution, economic development, and US-Cuban relations.
- 3615 Colonial Latin America (3)** This course is a broad survey of the political, economic, social, and cultural aspects of colonial Latin American history from the arrival of Columbus to independence throughout the region. Themes explored in this course include new cultural encounters, conquest, religion, economic development, labor, and independence.
- 3616 Modern Latin America (3)** This course is a broad survey of the political, economic, social, and cultural aspects of Latin American history since independence. The course highlights the historical similarities and differences within the region, as well as the area's achievements and enduring problems.
- 3617 History of Japan (3)** This course explores the history of Japan from its origins through the late 20th century. Particular attention will be focused on the Meiji reform period of the late 19th century, and Japan's rise to global power between the world wars.
- 3640 Gender and Family in Chinese History (3)** This course explores the familial and gender roles that have dominated Chinese society since traditional times. Consideration will be given to the historical influence of Confucianism, and primary emphasis will be placed on the 20th century intellectuals who have sought to reform these traditionally conservative elements of Chinese society.
- 3641 Violence and Terror in Modern History (3)** This course will pursue a comparative examination of violence and terror in modern history. The class will explore the use of violence and terror in modern conflicts as well as the means through which marginal political and religious groups (Irish Republican Army, PLO, and al Qaeda) have used violence and terror to call attention to their respective causes.
- 3642 Race and Ethnicity in Latin America (3)** This course explores issues of race and ethnicity in Latin America from the colonial period to the present. In particular, the course examines how ideas of race and ethnicity have intersected with political, economic, and socio-cultural developments in the region. The course also considers the ways in which race, class, and gender have interacted in Latin America.
- 3670 Topics in Areas Studies History (3)** (*May be taken more than once for credit*) A study of a particular event, theme or era within Area Studies. Previous offerings include History of the South Pacific, The Jesuits in Asia, Revolutions in Latin America, Slavery and Abolition in the Americas, etc.
- 4000 Senior Seminar Prerequisite (3)** (*PR: POI*) This course runs concurrently with a 3000-level course and serves as a content-based prerequisite for HIST 4001.
- 4001 Senior Seminar (3)** (*PR: JR or SR status; HIST major; POI*) This course consists of readings, discussion, and oral and written reports on a topic selected by the department faculty.

4002 Introduction to Historiography (3) This course will introduce students to the various approaches historians have taken to understanding and interpreting the past. The course will emphasize the various perspectives and goals of historians, with an emphasis on those developed in the 20th century. Though it is intended primarily to prepare students for further studies in history and the humanities, it will be of value to all history majors.

4003 Honors Research (3) See page 26.

4004 Reading (1-3) (PR: JR or SR status; Minimum GPA = 2.75) Reading is designed for students desiring better grounding in the literature of an area of historical study. Hours earned in Reading may be applied to the elective credits of the history major or minor by permission of the department. A maximum of three credit hours of HIST 4003, 4004, 4005, or 4007 can be taken in a semester, and a maximum of six credit hours in HIST 4004, 4005, and 4007 may be applied to the history major or minor. See page 23.

4005 Directed Study (3) (PR: JR or SR status; Minimum GPA = 2.75) Directed Study is designed for students interested in pursuing additional study in an area of the student's choosing. Each directed study will culminate in a research paper or its equivalent. Students must have a GPA of 2.75 or better. Hours earned in Directed Study may be applied to the elective credits of the history major or minor by permission of the department. A maximum of three credit hours of HIST 4003, 4004, 4005, or 4007 can be taken in a semester, and a maximum of six credit hours in HIST 4004, 4005, and 4007 may be applied to the history major or minor. See page 23.

4007 Internship (3) Internships must have a history component in order to receive credit as HIST 4007. Hours earned in Internship may be applied to the elective credits of the history major or minor by permission of the department. A maximum of three credit hours of HIST 4003, 4004, 4005, or 4007 can be taken in a semester, and a maximum of six credit hours in HIST 4004, 4005, and 4007 may be applied to the history major or minor. See page 23.

INTL • International Studies

258 Special Topics (1-6) See page 23.

398 Honors Research (3-6) See page 26.

440 Senior Capstone in International Studies (1)

444 Internships (1-6) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

LAST • Latin American Studies

318 Political Violence and Culture in Latin America (3) (PR: SPAN 300 or POI • XL: SPAN 318) The 20th century saw Latin America preoccupied by the struggle over socialism and communism. This course will examine cultural representations of this struggle through film and short stories. Films will have subtitles and short stories will be available in English and Spanish.

335 Introduction to Latin American Studies (3) An interdisciplinary course that provides a general overview of the historical, political, sociological, religious, and cultural development of Latin America.

350 Latin American Cinema (3) (PR: SPAN 300 or POI • XL: SPAN 350) This course focuses on the development of Latin American film in the major filmmaking countries: Brazil, Mexico, Argentina, and Cuba. The course explores the nature of film itself, contextualizing cinematic production with historic, social, and aesthetic tensions in the construction of Latin American identity.

442 Directed Studies (1-6) See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

MATH • Mathematics

110 Mathematics for the Liberal Arts (3) This course provides a survey of mathematics emphasizing problem solving, critical thinking, and quantitative reasoning. Topics vary and are chosen by the instructor. The focus is on mathematics as encountered in the world and the connections between Mathematics and the liberal arts. (Fall and Spring)

196 Precalculus (3) Pre-Calculus is a thorough study of topics in mathematics involving algebra and trigonometry designed to prepare students to progress into introductory calculus (Math 201). Topics include inverse functions, right triangle and unit circle approaches to the trigonometry, graphs of functions, inverse trigonometric functions, and trigonometric identities, solving equations, applications using the Law of Sines and Law of Cosines, and other algebraic topics. (Only offered in summer for sufficient demand)

- 201 Calculus I and Analytic Geometry (3)** (*Students may not receive credit for both MATH 201 and MATH 211*) The first of a four-course sequence of calculus and analytic geometry. Although topics covered in each of the four courses will vary with the textbook used, this course includes topics from analytic geometry, limits, continuity of functions, the derivative, differentiation techniques for algebraic and trigonometric functions, and applications of the derivative to graphing, maxima/minima problems, and related rates. (Fall and Spring)
- 202 Calculus II (3)** (*PR: MATH 201 or POI; majors must make a grade of "C" or better*) A continuation of MATH 201 with the definite integral; applications of the definite integral in finding areas, volumes, work, and arc length; differentiation and integration of exponential, logarithmic, and other transcendental functions; and techniques of integration, including integration by parts, substitutions, partial fractions, and tables. (Fall and Spring)
- 210 Applied Statistics (3)** (*Mathematics majors may not receive credit for both MATH 210 and either of STAT 319 or 320.*) This course is a data-oriented approach to analyzing data by arguing from the sample to the population. Topics include numeric and graphical measures of describing data, density curves, the normal random variable, interpreting scatterplots, correlation, least squares regression, sampling, experimental design, discrete and continuous probability models, random variables, sampling distribution for counts, proportions and sample means, inference about means and proportions, analysis of two-way tables, analysis of variance, bootstrap methods, and nonparametric methods. (Fall and Spring)
- 211 Applied Calculus (3)** (*Students may not receive credit for both MATH 201 and MATH 211*) A one semester introduction to the differential and integral calculus of algebraic, exponential, and logarithmic functions with applications in the social and biological sciences, including business and economics. This is a terminal course and does not prepare the student for MATH 202. (Fall and Spring)
- 221 Transition to Advanced Mathematics (3)** (*PR: MATH 202 or MATH 201 with POI • Math majors must make a grade of "C" or better*) This course is designed to prepare a student for advanced math courses and covers concepts and techniques used in studying logic, proofs, set theory, relations, functions, and cardinality of sets. (Fall and Spring)
- 222 Computing Methods for Math and Science (3)** (*PR: MATH 202*) Covers an introduction to the computer program language C++, an introduction to the plotting tool gnuplot, an introduction to the typesetting language LaTeX, techniques for numerical calculations symbolic mathematical manipulations, and symbolic math packages. (Fall, odd years)
- 258 Special Topics (1-6)** See page 23.
- 301 Calculus III (3)** (*PR: MATH 202*) A continuation of MATH 201 and 202. Topics covered include indeterminate forms, improper integrals, sequences and series, power series, conic sections, and curves given by parametric and polar equations with applications of derivatives and integrals to these curves. (Fall and Spring)
- 302 Calculus IV (3)** (*PR: MATH 202*) The last course in the four-course calculus sequence. Topics are multivariate calculus, including solid analytic geometry; vectors in three dimensions; vector valued functions, functions of several variables; partial derivatives; and multiple integrals. (Fall and Spring)
- 305 Complex Variables (3)** (*PR: MATH 221 and 302*) This course is a study of the complex plane and the calculus of functions of a complex variable. Topics include the algebra and geometry of complex numbers, limits and derivatives of functions of a complex variable, the Cauchy- Riemann equations, contour integrals, Taylor and Laurent series, and residues. (Fall, even years)
- 307 Linear Algebra (3)** (*PR: MATH 202 and 221*) A study of vector spaces, subspaces, bases, and dimension with applications to solving systems of equations. Also includes linear transformations, representation of linear transformations by matrices, eigenvalues, eigenvectors, and diagonalizing matrices. (Spring)
- 308 Discrete Mathematics (3)** (*PR: MATH 221 or POI*) An introduction to Discrete Mathematics. Topics include set theory and foundations, mathematical induction, recurrence relations, algorithms, graph theory, and combinatorics. (Fall, even years)
- 309 Modern College Geometry (3)** (*PR: MATH 202 and 221*) A study of the axiomatic method, neutral geometry, plane Euclidean geometry, and plane hyperbolic geometry. (Fall, odd years)
- 311 Probability Theory (3)** (*PR: MATH 221 and 302, or MATH 221 and 301 with POI*) A calculus-based introduction to probability with application to statistics. (Spring, odd years)
- 313 Abstract Algebra I (3)** (*PR: MATH 202 and 221, or POI*) This course covers algebraic structures such as groups, subgroups, quotient groups, rings, ideals, integral domains, fields, and polynomial rings and the relationships of these structures to the number system. (Fall, even years)
- 314 Abstract Algebra II (3)** (*PR: MATH 313 or POI*) A continuation of MATH 313. (Spring, odd years)
- 317 Number Theory (3)** (*PR: MATH 221*) This course serves as an introduction to the theory of numbers. Topics include congruences, the distribution of primes, properties of Euler's phi-function, primitive roots of primes and certain composite numbers, quadratic reciprocity, perfect numbers, and the history of Fermat's Last Theorem. (Fall, odd years)
- 320 Graph Theory (3)** (*PR: MATH 221*) An introduction to the study of graphs, balancing theory and applications. Topics include Euler circuits and paths, Hamiltonian paths, distance in graphs, connectedness, trees, planar graphs, graph colorings, matchings, directed graphs, weighted graphs, and/or other topics as time permits. (Spring, odd years)
- 350 Numerical Methods (3)** (*PR: CSC 250 or 241, and MATH 202, or POI • XL: CSC 350*) A study of the use of the computer to solve mathematical problems of interest to scientists and engineers. Topics include function approximation,

numerical differentiation and integration, systems of linear equations, least-squares fitting, function minimization, and Monte-Carlo methods. Special emphasis is placed on using matrix methods where appropriate. Students are expected to write several programs illustrating these topics. (Spring, even years)

398 Honors Research (3-6) See page 26.

401 Differential Equations (3) (PR: MATH 302 or 301 and POI) This course includes first and second order differential equations and linear equations with constant and variable coefficients. (Spring)

405 Introduction to Analysis I (3) (PR: MATH 221 and 302) This course include topics such as the real number system, the completeness property, numerical sequences and series, continuity and uniform continuity of functions, differentiation, the Riemann integral, sequences and series of functions, and metric spaces (Fall, odd years)

406 Introduction to Analysis II (3) (PR: MATH 405) A continuation of MATH 405. (Spring, even years)

440 Senior Capstone in Mathematics (3) (PR: Option I or II Senior Math Majors) A seminar for senior Traditional and Applied Mathematics majors, emphasizing the application of previous content to the study of new topics. Supervising faculty member(s) facilitate students' projects, including both written and oral presentations. (Spring)

441 Senior Capstone in Teaching Mathematics (1) (PR: Option III Senior Math Majors • CO: EDSD 400, 401, 402) The capstone for senior Mathematics Education majors is taken in conjunction with student teaching. Students keep a journal to reflect upon their mastery of mathematical knowledge and their understanding of teaching and learning. The supervising faculty member(s) observe and assess the majors' content knowledge and student teaching. (Spring)

442 Directed Study in Mathematics (1-3) Hours and credit arranged to meet the needs of the student. Open to junior and senior departmental majors by special permission. Subject matter pertaining to the student's field of interest. See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

MDST • Media Studies

442 Directed Studies (1-6) See page 23.

444 Internship in Media Studies (3-6) Internship in an approved media studies field: journalism or business. Students' work is closely supervised in the organization where the internship is undertaken and students are required to submit weekly written reports on their work to their faculty supervisor. See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

MILS • Military Science

101 Leadership and Personal Development (2) (2 hrs lecture, 3 hours lab weekly) Students are introduced to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. (No military obligation incurred for non-contracted students.)

101L Basic Leadership Lab I (0) (3 hrs. lab weekly • PR: POI • CO: MILS 101) ROTC lab introducing all elements of classroom instruction into field training focusing on basic knowledge and comprehension of the Army leadership dimensions. Lab is designed to introduce the freshman cadet to drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. Required for contracted cadets.

102 Introduction to Tactical Leadership (2) (2 hrs lecture, 3 hours lab weekly) Gives an overview of leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Introduces small unit tactics and techniques. (No military obligation incurred for non-contracted students.)

102L Basic Leadership Lab II (0) (3 hrs. lab weekly • PR: POI • CO: MILS 102) ROTC lab bringing together all elements of classroom instruction into field training focusing on basic knowledge and comprehension of the Army leadership dimensions. Lab is designed to introduce the freshman cadet to drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. Required for contracted cadets.

- 105 Accelerated Foundation of Leadership (3-4)** (*Offered by exception only and with POI*) This course merges MILS 101 and 102 into an accelerated class. Military obligation is incurred due to linkage to follow-on courses and commissioning.
- 201 Innovative Team Leadership (2)** (*2 hrs lecture, 3 hours lab weekly*) Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and historical leadership theories that form the basis of the Army leadership framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises. (No military obligation incurred for non-contracted students.)
- 201L Basic Leadership Lab III (0)** (*3 hrs. lab weekly • PR: POI • CO: MILS 201*) This laboratory class continues to build on skills learned in Basic Leadership Labs I and II by bringing together all elements of classroom instruction into field training focusing on basic knowledge and comprehension of the Army leadership dimensions. Lab is designed to reinforce the sophomore cadet's introduction to drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. Required for contracted cadets.
- 202 Foundations of Tactical Leadership (2)** (*2 hrs lecture, 3 hours lab weekly*) Examines the challenges of leading tactical teams in the complex contemporary operating environment. This course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. (No military obligations incurred for non-contracted students.)
- 202L Basic Leadership Lab IV (0)** (*3 hrs. lab weekly • PR: POI • CO: MILS 202*) This laboratory class continues to build on skills learned in Basic Leadership Lab III by bringing together all elements of classroom instruction into field training focusing on basic knowledge and comprehension of the Army leadership dimensions. Labs are designed to reinforce the sophomore cadet's introduction to drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. Required for contracted cadets.
- 205 Accelerated Leadership and Teamwork (3-4)** (*Offered by exception only and with POI*) This course merges MILS 201 and 202 into an accelerated class. Military obligation is incurred due to linkage to follow-on courses and commissioning.
- 250 ROTC Leadership Training Course (6-8)** (*Requires approval of Professor of Military Science; Pass/Fail*) Summer training at Fort Knox, Kentucky that introduces students to Army training. Enrollment is open to students with no more than 3 semesters of military science completed and no prior military experience. Students must have at least 2 years remaining before graduation. This course may be taken in lieu of the basic courses. Camp graduates are eligible for enrollment in advanced military science. Travel pay and salary provided. (No military obligation incurred. Contract is optional.)
- 301 Adaptive Team Leadership (3)** (*3 hrs lecture, 3 hrs lab weekly • PR: Basic Course or Equivalent Training Approved by Professor of Military Science*) Cadets study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self evaluations, cadets continue to develop their leadership and critical thinking abilities.
- 302 Applied Team Leadership (3)** (*3 hrs lecture, 3 hrs lab. weekly • PR: Basic Course or Equivalent Training Approved by Professor of Military Science*) Cadets face increasingly intense situations in order to build awareness and apply team leadership skills in leading tactical operations at the small unit level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in the operation orders process. The focus is on exploring, evaluating, and developing skills in decision-making, influencing others, and motivating team members in the contemporary operating environment. Cadets are evaluated on what they know and do as leaders as they prepare to attend the Leader Development Assessment Course.
- 401 Developing Adaptive Leaders (3)** (*3 hrs lecture, 3 hrs lab weekly • PR: MILS 301-302*) Cadets learn the duties and responsibilities of an Army staff officer and apply the military decision making process, the Army writing style, and the Army's principles of training management during weekly training meetings to plan, execute, and assess ROTC battalion training events. Cadets study the special trust proposed to Army Officers by the U.S. Constitution and the President of the United States and how Army values and leader ethics are applied in the contemporary operating environment. Cadets learn the Army officer's role in the Uniform Code of Military Justice, the counseling of subordinates, administrative actions, and how to manage their career as an Army Officer. Senior cadets train, mentor, and evaluate junior cadets while being mentored and evaluated by experienced ROTC cadre.
- 402 Leadership in a Complex World (3)** (*3 hrs lecture, 3 hrs lab weekly • PR: MILS 301-302*) Cadets explore the dynamics of leading in the complex military situations of the contemporary operating environment. Cadets examine the differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Cadets also explore aspects of interacting with non-governmental organizations, civilians of the battlefield, and host nation support. This course places significant emphasis on preparing cadets for their first unit of assignment using case studies, scenarios, and exercises to prepare cadets to face complex ethical and practical demands of leading as commissioned officers in the U.S. Army.

- 405 Accelerated Leadership, Management, and Officership (3)** (*Offered by exception only and with consent of Professor of Military Science*) This course merges MILS 401 and 402 into an accelerated class. Military obligation is incurred.
- 444 Internships (1-6)** Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.
- 446 Readings (1-9)** Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.
- 448 Research (1-9)** Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.
- 450 Seminar (1-9)** Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.
- 452 Special Projects (1-9)** Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.
- 458 Special Topics (1-6)** Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

MUSA • Applied Music

- 100 Applied Elective Lessons (0.5)** Half-hour lesson per week.
- 110 Applied Elective Lessons (1)** One-hour lesson per week.
- 171 Applied Music Major: Primary Instrument I (1)** (*PR: MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the first semester of collegiate study in this instrument/voice.
- 172 Applied Music Major: Primary Instrument II (1)** (*PR: MUSA 171; MUSC major, or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the second semester of collegiate study in this instrument/voice.
- 271 Applied Music Major: Primary Instrument III (1)** (*PR: MUSA 172; MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the third semester of collegiate study in this instrument/voice.
- 272 Applied Music Major: Primary Instrument IV (1)** (*PR: MUSA 271; MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the fourth semester of collegiate study in this instrument/voice.
- 371 Applied Music Major: Primary Instrument V (1)** (*PR: MUSA 272; MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the fifth semester of collegiate study in this instrument/voice.
- 372 Applied Music Major: Primary Instrument VI (1)** (*PR: MUSA 371; MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the sixth semester of collegiate study in this instrument/voice.
- 381 Applied Music Performance: Primary Instrument I (2)** (*PR: MUSA 272; MUSC major*) One-hour lesson per week with a minimum of twelve hours of practice taken during the fifth semester of collegiate study in this instrument/voice.
- 382 Applied Music Performance: Primary Instrument II (2)** (*PR: MUSA 381; MUSC major*) One-hour lesson per week with a minimum of twelve hours of practice taken during the sixth semester of collegiate study in this instrument/voice.
- 470 Composition (1)** (*PR: POI*) One-hour lesson per week in applied composition.
- 471 Applied Music Major: Primary Instrument VII (1)** (*PR: MUSA 372; MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the seventh semester of collegiate study in this instrument/voice.
- 472 Applied Music Major: Primary Instrument VIII (1)** (*PR: MUSA 471; MUSC major or POI*) One-hour lesson per week with a minimum of ten hours of practice taken during the eighth semester of collegiate study in this instrument/voice.
- 481 Applied Music Performance: Primary Instrument III (2)** (*PR: MUSA 382; MUSC major*) One-hour lesson per week with a minimum of twelve hours of practice taken during the seventh semester of collegiate study in this instrument/voice.
- 482 Applied Music Performance: Primary Instrument IV (2)** (*PR: MUSA 481; MUSC major*) One-hour lesson per week with a minimum of twelve hours of practice taken during the eighth semester of collegiate study in this instrument/voice.

MUSC • Music

- 100 Fundamentals of Music (3)** Elements and concepts of music including notation, scales, rhythm, keyboard use, ear training, and sight singing.
- 101 Piano Class for Non-Majors (1)** (*May be repeated one time*) Beginning piano class. Practical instruction in the fundamental techniques of piano playing.
- 102 Music Appreciation (3)** An introduction to art music with illustrations of various types and forms. Open to all students and required for those seeking teaching certificates.
- 103 Beginning Harmony I (3)** (*PR: POI*) Reading musical notations, counting rhythms, scales, keys, intervals, triads, and chord names.
- 103L Elementary Ear Training I (1)** Develop basic aural/visual musical skills: scales, chords, and melodies.
- 104 Elementary Harmony II (3)** (*PR: MUSC 103*) Diatonic part writing and analysis.
- 104L Elementary Ear Training II (1)** Melodic and harmonic dictation, rhythmic dictation, and aural identification of phrase forms and cadences.
- 107 Beginning Piano Class I (1)** (*PR: FR status and MUSC major, or POI*) Elementary fundamentals of piano. Students develop functional keyboard skills of sight-reading, harmonization, accompanying, transposition, and improvisation. Required of all non-keyboard majors who have little or no training in piano.

- 108 Beginning Piano Class II (1)** (PR: MUSC 107 or POI) A continuation of MUSC 107.
- 109 Beginning Piano Class III (1)** (PR: MUSC 108 or POI) Students continue to develop functional keyboard skills of sight reading, harmonization, accompanying, transposition, and improvisation. Required of all music majors.
- 115 Guitar Class (1)** Introduction to the basic skills of guitar playing with emphasis on demonstration and accompaniment techniques. Commonly used chords and chord progressions and a variety of strumming and finger-style accompaniment patterns will be studied.
- 150 Introduction to Music (3)** Basic concepts in conducting will be reviewed. Performance analysis, conducting gestures relative to choral and instrumental ensembles, rehearsal planning, choral and instrumental ensemble logistics, and the practical application of the preceding are included.
- 173 Musical Theatre Voice Class (1)** (MUSA 100, 110, 171-471, or POI • May be repeated) Group instruction in the technique of voice for musical theatre performance. Includes repertoire, song analysis, and performance styles.
- 175 Singer's Diction: Italian and English (1)** Accurate pronunciation and clear articulation in Italian and English vocal literature using the International Phonetic Alphabet.
- 176 Singer's Diction: Latin, French, and German (1)** (PR: MUSC 175) Accurate pronunciation and clear articulation in Latin, French, and German vocal literature using the International Phonetic Alphabet.
- 177 Opera and Music Theatre Workshop (1)** (PR: MUSC 173 and 174, or applied voice lessons • May be taken more than once for credit) A laboratory for the study and performance of musical excerpts from opera and musical theatre.
- 199 Recital Attendance (0)** Required of all music majors and minors every semester. A mark of "S" or "U" is given dependent upon fulfillment of attendance at designated performance events.
- 201 Intermediate Harmony I (3)** (PR: MUSC 104) Part-writing and analysis with applied harmonies and modulations. Model compositions in the style of late Classical and Romantic composers.
- 201L Intermediate Ear Training/Sight Singing I (1)** Sight reading; melodic and harmonic dictation with diatonic and applied harmonies; and aural identification of simple forms.
- 202 Intermediate Harmony II (3)** (PR: MUSC 201) Part-writing and analysis with 19th century chromatic harmonies, model compositions in the style of late Romantic composers, and exposure to 20th century developments.
- 202L Intermediate Ear Training/Sight Singing II (1)** Sight reading; melodic and harmonic dictation with chromatic harmonies and modal mixture; and aural identification of larger forms.
- 203 Accompanying I (0.5)** (PR: POI) Repertoire for piano with voice or instrument will be studied. Strongly recommended for all keyboard majors.
- 204 Accompanying II (0.5)** (PR: MUSC 203) The practical application of skills studied in MUSC 203. Emphasis will be placed on preparation and performance of secular and sacred music in a variety of venues.
- 207 Intermediate Piano Class (1)** (PR: MUSC 107-108 or POI) Beginning fundamentals of piano. Students continue to develop functional keyboard skills of sight reading, harmonization, accompanying, transposition, and improvisation. Required of all music majors.
- 209 Functional Skills for Keyboard Majors (1)** (PR: MUSC 103 and 104; MUSC keyboard major) Designed for keyboard music majors to develop their functional keyboard skills.
- 212 Music of the World's Cultures (3)** An ethnological survey of music from cultures outside the Western art music tradition, including Africa, the Middle East, India, Asia, Australia, North, Central and South America, and Western folk music. Focus will be on developing skills in listening and analysis and on understanding similarities and differences between the musical systems and expressions of various peoples.
- 213 American Popular Music (3)** A general survey of popular music in America from the middle of the 19th century to the present time. The principal popular music genres of Musical Theater, Jazz, Country, and Rock will be the focus of this course. Composers, performers and performing mediums of these styles will be discussed within their religious, political, and economic context in order to gain a greater appreciation for their meaning and role in society, and place in the development of contemporary American culture.
- 221 Introduction to Music Technology (3)** (Keyboard experience helpful) An introduction to the physics of sound, musical synthesis, MIDI, sequencing, and computer applications in music engraving and multimedia. This course is designed to provide hands-on experience with synthesizers and the world of music and the Apple computer.
- 258 Special Topics (1-6)** See page 23.
- 303 Counterpoint (3)** (PR: MUSC 202) A study of contrapuntal music and techniques from the 15th century through the High Renaissance style of Palestrina and his contemporaries, to the Baroque styles of J. S. Bach and his contemporaries, and into the Romantic era (with special emphasis on Beethoven) along with an exploration of contrapuntal techniques in the music of the 20th century. (Alternate years)
- 304 Church Music Administration I (3)** Administrative, organizational, and methodological issues in the practice of sacred music in the local church or parish. (Alternate years)
- 307 Music for Teachers (3)** A course designed to provide early education and elementary school specialists with specific musical skills and materials. Integration of music into the general classroom is the ultimate goal of the class.

- 309 Conducting (3)** (PR: MUSC 103-104) Basic concepts in conducting will be reviewed. Performance analysis, conducting gestures relative to choral and instrumental ensembles, rehearsal planning, choral and instrumental ensemble logistics, and the practical application of the preceding are included.
- 313A Instrumental Techniques: Strings (0.5)** A laboratory course to give the student a working knowledge of the instruments of the orchestra, including pedagogical materials, methods, and practical teaching exercises.
- 313B Instrumental Techniques: Woodwinds (0.5)** A laboratory course to give the student a working knowledge of the instruments of the orchestra, including pedagogical materials, methods, and practical teaching exercises.
- 314A Instrumental Techniques: Brass (0.5)** A laboratory course to give the student a working knowledge of the instruments of the orchestra, including pedagogical materials, methods, and practical teaching exercises.
- 314B Instrumental Techniques: Percussion (0.5)** A laboratory course to give the student a working knowledge of the instruments of the orchestra, including pedagogical materials, methods, and practical teaching exercises.
- 330 Materials and Methods: Elementary School Music (2)** This course is designed to develop familiarity with teaching techniques and materials appropriate for music education, Pre K-5, in the 21st century. Students are introduced to Kodaly, Orff, Suzuki, Dalcroze, and Gordon learning theory in order to be prepared to teach in the eclectic environment of the American music classroom. State-adopted texts in music are used and the student is introduced to a wide variety of resources available for lesson planning and execution. Technological, web, and inter-net learning systems are explored. Students write and execute lesson plans and learn to use instruments common to elementary classrooms, such as piano, guitar, autoharp, recorder, and ukulele. Students develop professional music education relationships through workshops, clinics, and mentor teachers.
- 330L, 331L, 332L Practicum (1, 1, 1)** (PR: Acceptance into Teacher Education Program; grade of "C" or higher in each practicum course • XL: EDUC 391, 392 and 393) The three practicum experiences comprise the fieldwork component of the Teacher Education Program. Fieldwork totals over 100 hours and is conducted in school settings. Seminars include EEDA, culturally responsive teaching, service learning, health, safety, and legal issues, assessment, etc.
- 331 Materials and Methods: Middle School Music (2)** This course is designed to develop familiarity with teaching techniques and materials appropriate for music education, grades 6-8, in the 21st century. Specific and intense consideration is given to the direction and leadership of music ensembles, specialized ensembles, classroom management, and general music concerns in middle school. Students write and execute lesson plans using a variety of pedagogical approaches, multicultural perspectives, and technological innovations. Students explore current scheduling issues in the middle schools.
- 332 Materials and Methods: High School Music (2)** This course is designed to develop familiarity with teaching techniques and materials appropriate for music education, 9-12, in the 21st century. Specific intensive consideration is given to the development, scheduling, and leadership of choral and instrumental ensembles that promote music literacy and abilities to achieve a life-long participation in music for students. Students write and execute lesson plans using a variety of pedagogical approaches, multicultural perspectives, and technological innovations. Students explore classroom management techniques, specialized ensembles, and general music issues in high schools. Students investigate methods of achieving for their students in a variety of scheduling patterns existing in high schools today.
- 344 Survey of Sacred Music (3)** (XL: RELG 344) The history of sacred music with emphasis on liturgies, hymns, sacred song, psalmody, and contemporary trends and issues. (Alternate years)
- 349 Fundamentals of Piano Pedagogy I (2)** A study of current trends in piano pedagogy, including the development of teaching philosophies leading to successful private studio teaching.
- 349L Piano Pedagogy Practicum I (1)** (PR: MUSC 349) This course includes the development and use of weekly lesson plans, personal teaching philosophies, and proper methodologies for teaching elementary through early intermediate students.
- 350 Fundamentals of Piano Pedagogy II (2)** (PR: MUSC 349) A continuation of Piano Pedagogy I, this course also provides teaching models leading to actual instructional situations.
- 350L Piano Pedagogy Practicum II (1)** (PR: MUSC 350) A continuation of Piano Pedagogy I focusing on intermediate to advance students.
- 351 Piano Literature (3)** An examination of literature from the Late Renaissance to the present with an emphasis on historical performance practice. (Alternate years)
- 353 Introduction to Vocal Pedagogy and Repertoire (3)** (PR: POI) This course will cover the basic techniques and principles of vocal pedagogy and the assignment of appropriate vocal repertoire for the student and professional. Students can expect to gain a broad and functional knowledge of vocal physiology, be introduced to the growing area of voice science, as well as study the "art" of healthy vocal production. Additionally, the class will focus on issues such as professional ethics with an emphasis on studio and class procedures, lesson preparation, and the evaluations of methods and materials.
- 360 History and Literature of Music I: Antiquity to 1750 (3)** (PR: MUSC 150 • RE: MUSC 201 and 202) The development of music from antiquity through the end of the Baroque with an emphasis on historical perspectives and theoretical concepts will be explored.

- 361 History and Literature of Music II: 1750 to Present (3)** (PR: MUSC 360) Perspectives and concepts introduced in MUSC 360 continue to be developed from the Classical through the Contemporary periods.
- 397 Half Recital (0.5)** (PR: POI) Enrollment is concurrent with the appropriate private applied lessons. Students must perform a recital pre-hearing for designated members of the music faculty no more than four weeks and no less than ten days prior to the recital for approval of public performance. Copies of the recital program and a recording are placed into the student portfolio.
- 398 Honors Research (3-6)** See page 26.
- 401 20th Century Music (3)** The history, analysis, and aesthetics of composers, styles, and techniques of the 20th century.
- 402 Orchestration and Arranging (3)** (PR: MUSC 103, 104, 201, and 202) Investigation and application of techniques for the use of voices and instruments in composition and arranging.
- 404 Hymnology (3)** (XL: RELG 404) A survey of the history of the hymn as primarily manifested through its practice in congregational song. (Alternate years)
- 410 Form and Analysis (3)** (PR: MUSC 202-202L) Patterns and processes in music with an examination of prominent musical forms using specific musical examples of each as subject for analysis. Analysis will be performed visually using musical scores and aurally using musical recordings and live performances.
- 411 Observation/Assessment; 412 Planning; and 413 Teaching: Directed Teaching In Music Education (3, 3, 6)** (PR: SR status and successful completion of all requirements for clinical practice • XL: EDSD 400, 401, and 402) A program of supervised observation and teaching in cooperation with selected secondary schools in which opportunities are provided for the student to practice the skills of teaching. A minimum grade of "C" is required to receive the College's recommendation for certification.
- 440 Senior Capstone in Music (1)** (PR: POI)
- 442 Directed Studies (3-6)** See page 23.
- 444 Internships (1-3)** See page 23.
- 446 Readings (1-3)** See page 23.
- 448 Research (1-3)** See page 23.
- 450 Seminar (1-3)** See page 23.
- 452 Special Projects (1-3)** See page 23.
- 458 Special Topics (1-3)** See page 23.
- 497 Full Recital (1)** (PR: POI) This course serves as the vehicle for the senior recital, part of the Department of Music process of tracking a student's performance progress. Enrollment is concurrent with the appropriate private applied lessons. Students must perform a recital pre-hearing for designated members of the music faculty no more than four weeks and no less than ten days prior to the recital in order to receive permission for public performance. Copies of the recital program and a recording are placed into the student portfolio.

MUSE • Music Ensembles

- 260 PC Ringers (0.5)** (PR: POI) This course is the academic vehicle for the training of hand bell ringing. Its purpose is to train talented students to serve as performers and directors of hand bell choirs in school, church, and community settings through ringing experiences in advanced literature.
- 265 PCBhJazz (0.5)** (PR: POI) The study of jazz in its many and varied forms is the subject of this course. Literature will be eclectic and include New Orleans Dixieland, Chicago Dixieland, Swing, Bebop, Cool, Hard Bop, Third Stream, Free Jazz, and Jazz Rock Fusion.
- 271 Cantare! Men's Choir (0.5)** Open to all PC male students.
- 276 Armonia! Women's Chorus (0.5)** Open to all PC female students.
- 290 The PC Choir (1)** A highly selective choral ensemble established for the study of sacred and secular choral literature. Open each semester to all students in the college by audition. The choir presents on- and off-campus concerts each term.
- 293 PC Wind Ensemble (1)** A laboratory for the study and performance of the best literature for wind ensemble/symphonic band. Membership is open to all students by audition and/or interview.
- 294 PC Chamber Orchestra (1)** A college chamber orchestra that rehearses and performs compositions of different style periods written for string orchestra. Membership is open to all students who play a string instrument.
- 295 PC Blue Thunder Pep Band (0.5)** Performs at home football, basketball, and play-off games. Music is primarily pop, jazz, and rock arrangements. Open each semester to all students who play a band instrument.
- 296 Chamber Music Ensemble (0.5)** Laboratories in chamber music performance and study. All students who perform satisfactorily and independently on their instruments are eligible and accepted, to the limits of usable standard instrumentations. Performances for each group are required.

297 Chamber Choir (0.5) (PR: POI) The chamber choir offers qualified students a choral laboratory and musical experience for advanced vocalists. Members of the chamber choir are chosen annually by competitive audition. The ensemble's repertoire depends upon performance demands but is always eclectic.

298 Student Fellowship Choir (0.5) Laboratory for the study and performance of traditional and contemporary African-American music. Open each semester to all students.

PHED • Physical Education

1001 Concepts of Physical Fitness (1) Designed to place emphasis on the value of physical fitness for everyone.

Through the use of lecture and laboratory periods, students will be presented the basic fitness factors as well as means to measure these factors. As a result of the course the student should be able to make intelligent decisions concerning the value and use of physical activity in personal life.

1002 Tennis (1) Designed to provide students a beginning level competency in tennis.

1003 Golf (1) Designed to provide students a beginning level competency in golf.

1004 Basic Swimming (1) Designed to provide students a beginning level competency in swimming.

1005 Racquetball/Bowling (1) Designed to provide students a beginning level competency in the two activities.

1006 Advanced Life Saving (1) A more advanced swimming course with competency in life-saving techniques.

1007 Bowling/Badminton (1) Designed to provide students a beginning level competency in the two activities.

1008 Weight Training (1) Designed to provide instruction in progressive resistance exercise for beginning exercise participants.

1009 Intermediate Tennis (1) (PR: PHED 1002 or equivalent) A course designed to meet the needs of students who demonstrate skill proficiency above the beginning tennis level.

1010 Beginning Social Dance (1) A course designed to introduce the basic steps and variations for eight selected ballroom dances.

1011 Non-Contact Karate (1) A course designed to introduce the concepts and teaching methodology of traditional karate, the art of Empty-Hand Self-Defense.

1012 Basic Yoga (1) A course designed to introduce students to yoga, a non-traditional activity that can afford a variety of health related benefits to its participants.

1013 Basic Pilates (1) A course designed to introduce students to Pilates, a non-traditional activity that offers a variety of health and performance-related components of total fitness.

1014 Beginning Tai Chi (1) This course is designed to offer students the rudimentary elements of Tai Chi. As an ancient Chinese art, Tai Chi is a slow-motion, moving meditative exercise for relaxation, health, and self-defense.

224 Movement Styles (3) An interdisciplinary approach to movement which incorporates yoga, ballet, and modern and jazz dance. With a focus on balance and alignment, students develop an awareness of dance through collaboration, ensemble performance, and choreography.

225 Basic Wellness (3) A course designed to provide the student with a comprehensive introduction to the dynamics of lifetime wellness. The dimensions and concepts for developing and maintaining a lifestyle of wellness will be presented. This will include study units in nutrition, diet and weight control, stress management, physical fitness, the cardiovascular system, hypokinetic disease risk factors, and personal wellness assessment/responsibility. The course will be taught on a lecture/lab format.

305 Coaching Principles (3) This course is designed to provide students with a basic foundation that is necessary to become successful coaches in any sport. Specifically, instruction will address content that targets principles related to coaching, behavior, teaching, and management. As such, course materials will focus on domains 1, 4, 5, and 6 of NASPE's 2006 National Standards for coaches. (Alternate years)

306 Organization and Administration of Physical Education and Athletics (3) (PR: POI) A course in the organization and administration of physical education and athletics. Instruction focuses on organization patterns, staff relations, budget and finances, facilities and equipment, and other problems confronting coaches and teachers in their respective areas.

310 Health and Physical Activity for the Child (3) (PR: EDUC 201 or POI) This course provides early childhood and elementary education majors with an opportunity to study the overall development of the child so that they can teach and promote health and physical activity in the schools. The course will offer experiences and instructional practices through observations and teaching of children in preschool through middle school. Curricula areas include health, safety, and physical education. Students will also learn to adapt instructional strategies to meet specific needs of children with disabilities.

312 Coaching of Team Sports: Soccer (3) Instruction in teaching fundamental techniques and skills involved in offensive and defensive play, game strategy, scouting, and practical field experience.

313 Coaching of Team Sports: Football (3) Instruction in teaching fundamental techniques and skills involved in offensive and defensive planning, game strategy, organization scouting, and practical field experience.

- 314 Coaching of Team Sports: Basketball (3)** Instruction in teaching fundamental techniques and skills involved in offensive and defensive play, game strategy, scouting, and practical court experience.
- 315 Coaching of Team Sports: Baseball (3)** Instruction in teaching fundamental techniques and skills involved in offensive and defensive play, game strategy, scouting, and practical field experience.
- 316 Exercise and Sports Physiology (3)** (PR: BIOL 105 and 106) An introductory course focusing on the physiological basis of physical activity and sports with emphasis on exercise physiology, sports physiology, and basic principles of movement. This course is primarily designed for individuals planning a minor in coaching.
- 317 Coaching of Team Sports: Softball and Volleyball (3)** Instruction in teaching fundamental techniques and skills employed in offensive/defensive play, game strategy, practice organization, scouting, and practical field experiences.
- 320 Coaching of Team Sports: Lacrosse (3)** This course is designed to examine the techniques, strategies, and tactics of lacrosse. Upon completion of the course, students will have a comprehension of lacrosse and will be able to implement the techniques, strategies, and tactics used to coach this sport.
- 324 Sport Psychology (3)** (PR: PSYC 201 • XL: PSYC 324) Application of psychological principles to various aspects of sport. Topics include behavioral principles, motor learning, anxiety and arousal, mental preparation, leadership, team cohesion, audience effects, aggression, personality, assessment, gender roles, youth sport, coaching, and exercise psychology.
- 385 Basic Athletic Training (3)** Theory and practice in keeping the athlete in superior condition. Studies include the use of proper protective equipment; medical research related to athletics; and the prevention, care, and proper rehabilitation of athletic injuries.
- 390 Advanced Athletic Training (3)** (PR: PHED 385) Course is designed to focus on the more advanced aspects of athletic training. Students will be introduced to specific human anatomy; evaluation processes; modality theories and application; rehabilitation procedures; and advanced taping, splinting, and bracing techniques.
- 442 Directed Studies (3-6)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

PHIL • Philosophy

- 203 Introduction to Ethics (3)** A study of what it means to live a good human life, including reflection on questions of good versus evil, right versus wrong, and virtue versus vice. In the course of our study, we will explore ethical questions that confront us as individuals, as members of society at large, and as members of more specific communities.
- 205 Logic (3)** A study of how to analyze, evaluate, and present arguments. The class will examine arguments in many fields, including law, science, economics, politics, religion, and philosophy. The class will also pay attention to the most effective ways to present arguments.
- 258 Special Topics (1-6)** See page 23.
- 301 Ancient Philosophy (3)** A study of the Pre-Socratic Philosophers and the major works of Plato and Aristotle. (Alternate years)
- 302 Medieval Philosophy and Theology (3)** (XL: RELG 303) A study of the major philosophers of the Middle Ages, from Augustine and Boethius through Aquinas and Ockham, including important Islamic and Jewish philosophers of the period. (Alternate years)
- 304 Early Modern Philosophy (3)** A survey of European philosophy from Descartes through Kant with special emphasis on epistemology, metaphysics, and questions of religious belief. (Alternate Years)
- 305 19th Century Philosophy (3)** A survey of European philosophy from Kant to Nietzsche. Attention will be given to idealism, positivism, utilitarianism, and roots of existentialism.
- 306 Continental Philosophy (3)** In this seminar course, students will focus on careful reading of some of the pivotal texts of Continental philosophy. Through discussion and writing, we will explore the major areas of Continental thought: phenomenology, hermeneutics, critical theory, and deconstruction. (Alternate years)
- 308 Analytic Philosophy (3)** A survey of Analytic Philosophy in the 20th and 21st centuries, with an emphasis on the continuity with the history of Western philosophy. Questions to be discussed include: methodology, epistemology, metaphysics, language, mind, freedom, determinism, personal identity. (E.g., How do we know what we think we know? What is there in the world? What does it mean to be a self? What does it mean to be meaningful?) (Alternate years)
- 310 Philosophy of Science (3)** A study of the nature of science with special attention to the history of western science. The class will consider the scientific theories and methods of Aristotle, Copernicus, Galileo, Newton, and Einstein. It will also consider the relationships of natural science to other areas such as religion, philosophy, and the social sciences.

- 314 Professional Ethics (3)** A study of the ethical issues related to the practice of various professions, including business, law, medicine, teaching, counseling, and the ministry.
- 315 Medical Ethics (3)** An introduction to moral issues in modern health care and to ethical concepts and analytic skills relevant to addressing them. We will focus on classic cases in the development of medical ethics.
- 316 Business Ethics (3)** (XL: *BADM 316*) A study of ethical issues in business with the aim of strengthening our moral discernment and practical judgment. We will focus on classic and contemporary cases in the ethics of business.
- 317 Environmental Ethics (3)** What matters? Why does it matter? And what should we do about it? This course will survey the challenges that environmental concerns present to traditional ethical theory and practice. In particular, we will explore the relation of human and non-human value, as environmental issues (such as global warming and species extinction) intersect with human problems (such as poverty, population growth, and economic development). (Alternate years)
- 322 Aesthetics (3)** A consideration of beauty and what various philosophers (such as Plato, Aristotle, Hume, and Kant) have had to say about it. The class will also consider art forms such as painting, sculpture, poetry, music, and photography to appreciate the presence or absence of beauty therein.
- 323 Love, Sex, and Philosophy (3)** (XL: *WGST 323*) Arthur C. Danto writes that “love is a philosophically unruly being, and the despair of moral epistemologists.” We will explore this “philosophically unruly being” through the writings of classical philosophers, including Plato, Augustine, Rousseau, Hegel, Freud, de Beauvoir, and contemporary philosophers such as Martha Nussbaum, Robert Nozick, Annette Baier, and Robert Solomon. We will also ask whether philosophy helps us to address problems of love and sex, including sexual violence. (Alternate years)
- 325 Faith and Reason (3)** A study of the relationship between faith and reason, focusing on how each might complement, contradict, or correct the other. (Alternate years)
- 330 Philosophy of Law (3)** A survey of philosophical understandings of law, in theory and in practice. Topics of discussion will include the basis of law and legal reasoning, the moral force of law, and theories of rights, responsibilities, and punishment in criminal, civil, constitutional, and international law. (Alternate years)
- 335 Film and Philosophy (3)** (XL: *FILM 335*) This course invites students to apply philosophical skills of careful examination, cooperative conversation, and thoughtful writing beyond the realm of written texts. (Alternate years)
- 340 Theory of Religion (3)** (XL: *RELG 340*) What is religion? What are its origins and what is its future? Is it a source of good or evil? This course will explore contested questions about the nature of religion and the proper way to study it through a survey of various approaches and topics such as theology, philosophy, history, psychology, sociology, anthropology, and cultural studies. Our central questions will be how to assess (a) religious claims and (b) claims about religion. (Alternate years)
- 350 Social Philosophy (3)** A survey of major accounts of the origins, purposes, benefits, and dangers of human social systems. The course will include writings from Plato, Aristotle, Augustine, Hobbes, Locke, Rousseau, and others. Special attention will be given to the role of imagination in these writings.
- 360 Women and Philosophy (3)** (PR: *POI*) How do gender, embodiment, and social situation impact philosophical thought? This course introduces students to the writings of major female philosophers from ancient times to the present. Students will be asked to grapple with the questions raised by women in philosophy and to explore the difference feminist methods make to our approach to philosophical problems. (Alternate years)
- 398 Honors Research (3-6)** See page 26.
- 410 Philosophy and Music (3)** What is music? Why is it important? This course surveys a number of philosophical approaches to these questions, ranging from Ancient Greek thought to contemporary feminist perspectives.
- 440 Senior Capstone in Philosophy (3)** (PR: *SR status; PHIL major*) In the senior capstone, students will draw on what they have learned over the course of the major to research a specific question or topic in philosophy. This research will culminate in a substantial paper and a public presentation to the college community.
- 442 Directed Study in Philosophy (1-3).** (PR: *POI and department*) Independent reading and/or research in an area of the students special interest. A plan including a statement of the purpose of the study, a bibliography, and the nature of any papers or projects must have prior approval of the instructor and department chairman. See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

PHYS • Physics

- 121 General Physics I (3)** (PR/CO: *PHYS 121L*) The first of two introductory courses in physics designed to emphasize the experimental laws of physical science. Topics to be covered include mechanics, heat, wave motion and sound, electricity and magnetism, optics, and modern physics.

- 121L General Physics Laboratory I (1)** (CO: *PHYS 121*) Laboratory course designed to expand on the topics covered in PHYS 121. Students will perform experiments and analyze the results based on physical law.
- 122 General Physics II (3)** (PR/CO: *PHYS 122L*) The second of two introductory courses in physics designed to emphasize the experimental laws of physical science. Topics to be covered include mechanics, heat, wave motion and sound, electricity and magnetism, optics, and modern physics.
- 122L General Physics Laboratory II (1)** (CO: *PHYS 122*) Laboratory course designed to expand on the topics covered in PHYS 122. Students will perform experiments and analyze the results based on physical law.
- 203 Introduction to Astronomy (4)** This course presents an overview of the major fields of astronomy. The course begins with a brief history of astronomy followed by an in-depth discussion of the basic concepts and tools used throughout astronomy. Topics include history of astronomy, naked-eye observations, light, telescopes, stars, stellar evolution, black holes, galaxies, and cosmology. Some of the lab sessions will be scheduled in the evening to allow astronomical viewing. No previous experience in astronomy is expected.
- 205 The Physics of How Things Work (4)** (3 hrs lecture, 3 hrs lab weekly • *Students cannot receive General Education credit for both PHYS 205 and PHYS 121-121L.*) Students engaged in this course will grasp the workings of the world around them. They will gain a basic understanding of everything from growing trees to flying jets; from crashing cars to cell phone operation. The course relies heavily on conceptual understanding rather than rigorous math, and is highly applicable to everyone who lives in a world of physical things. The lecture will utilize many demonstrations. The lab will allow the student to interact with the concepts learned in class through equipment that is readily available. This course does not require math higher than basic algebra.
- 211 Earth Science (4)** (3 hrs lecture, 3 hrs lab weekly) Includes a study of the astronomy of the solar system as well as an introduction to geologic processes, land forms, rocks, and minerals.
- 214 Physics with Calculus I (3)** (PR/CO: *MATH 201*) First of three courses in a calculus-based physics sequence. Topics include vectors, laws of motion, conservation principles, rotational motion, and gravitation.
- 214L Physics with Calculus Lab I (1)** (CO: *PHYS 214 and 215*) Laboratory course designed to expand on the topics covered in PHYS 214. Students will perform experiments and analyze the results based on the topics covered in the class. Cannot be taken separately from PHYS 214 except by POI.
- 215 Physics with Calculus II (3)** (PR: *PHYS 121 or PHYS 214*; PR/CO: *MATH 202*) Continuation of PHYS 214. Topics include thermodynamics, kinetic theory of gases, electric and magnetic fields, electric currents, oscillations, and motions of charged particles in fields.
- 215L Physics with Calculus Lab II (1)** (CO: *215*) Laboratory course designed to expand on the topics covered in PHYS 215. Students will perform experiments and analyze the results based on the topics covered in the class. Cannot be taken separately from PHYS 215 except by POI.
- 216 Physics with Calculus III (4)** (PR: *PHYS 215*; PR/CO: *MATH 301*) Continuation of PHYS 215. Topics include wave motion, electromagnetic waves, interference and diffraction, relativity, atomic particles, and atomic and nuclear structure.
- 220 Methods of Theoretical Physics (3)** (PR: *MATH 202*) An introduction to mathematical methods that are commonly used in advanced physics. The main topics are vector algebra and calculus (including divergence, gradient, curl, Stokes' theorem, line and surface integrals, and curvilinear coordinate systems) and the solution of boundary value problems involving the wave equation and Laplace's equation (separation of variables, power series, and special functions). Other topics such as complex variables and Fourier analysis may be included at the discretion of the instructor.
- 250 Basic Electronics (4)** (3 hrs lecture, 3 hrs lab weekly • PR: *PHYS 122 and MATH 201*) An introduction to analysis of AC and DC circuits, amplifiers, semi-conductor devices, and instrument systems.
- 260 Engineering Physics (4)** (PR: *PHYS 121 or PHYS 214, and MATH 201*) The 'in class' portion of this course will be devoted to the rigorous topic 'Statics' which is fundamental to nearly all fields of engineering. This study will also provide a mechanism to learn how engineers think and how that compares to the thought processes of a physicist. The lab portion of this class is essentially an "engineering seminar" that will be devoted to understanding the field of engineering. In addition to learning engineering experimental methods, students will be exposed to the wide variety of engineering disciplines through guest speakers and field trips.
- 302 Heat and Thermodynamics (3)** (PR: *PHYS 215*; PR/CO: *MATH 302*) This course includes a study of thermometry, physical states of matter, calorimetry, heat balance equations, gas laws for real and ideal gases, kinetic theory, cyclical operations and the laws of thermodynamics. (Alternate years)
- 303 Electricity and Magnetism I (3)** (PR: *PHYS 215 and MATH 302*) This course is designed to introduce the student to the basic laws of electricity and magnetism as they are formulated using differential and integral calculus. Gauss' law, Laplace's equation, the Biot-Savart law, Faraday's law and Maxwell's equations are studied along with the phenomena of polarization, electric and magnetic fields, electromagnetic radiation, and other topics. (Alternate years)
- 304 Electricity and Magnetism II (3, 3)** (PR: *PHYS 215 and MATH 302*) A continuation of PHYS 303.

- 311 Advanced Mechanics (3)** (PR: *PHYS 214*; PR/CO: *MATH 302*) A course in classical mechanics covering the dynamics of system of particles, motion of rigid bodies, and an introduction to Lagrange's equations and the Hamiltonian function as well as other topics of interest to the advanced physics student. A thorough knowledge of integral calculus is assumed. (Alternate years)
- 320 Classical Optics (3)** (PR: *PHYS 216 and MATH 302*) An intermediate course in light from the viewpoint of both geometrical and physical optics. (Alternate years)
- 350 Advanced Physics Laboratory (2)** (PR: *PHYS 216 and MATH 301*) This course consists of three or four experiments designed to illustrate important concepts in quantum mechanics and modern physics and to introduce the student to some of the techniques of modern experimental physics research. (Alternate years)
- 398 Honors Research (3-6)** See page 26.
- 400 Plasma Physics (3)** (PR: *PHYS 303*) Its purpose is to expose students to the basic physical principles governing the solar-terrestrial interactions, including space and atmospheric weather. Its goal is to emphasize the applications of plasma physics to an understanding of the interplanetary environment and earth's place in that environment, as well as alternative energy sources from plasma fusion. (Alternate years)
- 405 Nuclear Physics (3)** (PR: *PHYS 216* • CO: *MATH 301*) Properties and behavior of atomic nuclei: mass, binding energy, spin, decay modes, nuclear reactions, and an Introduction to nuclear models. Medical applications such as radioactive traces and magnetic resonance imaging (MRI). (Alternate years)
- 406 Physics in Biology and Medicine (3)** (PR: *BIOL 105, BIOL 106, PHYS 121, and PHYS 122*) Applications of introductory physics to the processes and systems of biology and medicine. Topics may include the physics of (1) walking, running, and jumping; (2) temperature regulation and metabolism; (3) flight; (4) respiration and circulation; (5) hearing and vision; (6) the nervous system; and (7) medical diagnostics techniques.
- 415 Quantum Mechanics (3)** (PR: *PHYS 216*; PR/CO: *MATH 401*) A rigorous presentation of the fundamental principles of quantum mechanics. Topics include the wave function for a free particle, superposition of states, construction and behavior of wave packets, the position and momentum representations, general techniques for constructing solutions to Schrodinger's equation, and the time development of quantum-mechanical systems. (Alternate years)
- 416 Topics in Modern Physics (3)** (PR: *PHYS 216*; PR/CO: *MATH 401*) Further development of topics in physics of the 20th century: relativity theory, atomic physics (of both the hydrogen atom and multi-electron atoms), nuclear physics, and solid-state physics. This course develops and uses the techniques of quantum mechanics as necessary but not with the detail and rigor of *PHYS 415*. (Alternate years)
- 442 Directed Studies (1-9)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** (PR: *JR or SR status, and departmental approval*) Hours and credits arranged to meet the needs of the student. Subject matter pertaining to the student's field of interest will be considered. See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

PLSC • Political Science

- 201 Introduction to Political Science (3)** Study of the nature of politics and political behavior and of the important theories respecting the nature, origin, forms, and ends of the state and of government.
- 202 Introduction to American Government (3)** Basic course in American politics that stresses the formation, development, organization, and action of our national government, including the origin and nature of our federal system.
- 205 Introduction to Political Analysis (3)** An examination of the different techniques used to conduct and evaluate political science research with an emphasis on the development of the discipline and an understanding of basic social statistics.
- 258 Special Topics (1-6)** See page 23.
- 301 African-Americans and the Political System (3)** An overview of the African-American struggle for social, political, and legal rights; of the constraints upon the achievement of these rights; and of the major political actors involved in this struggle. Special emphasis will be given to key court decisions, legislation, and political movements affecting African-American rights and to major electoral breakthroughs in promoting African-American political empowerment. (Alternate years)
- 304 American Constitutional Law I (3)** This course analyzes the institutional authority of government as it is explained in the U.S. Constitution and interpreted by important Supreme Court decisions. Topics will include judicial review, nation-state relations, foreign affairs, and economic liberties. In addition, this course will also attempt to further the student's understanding of the judicial process through insider accounts and participation in a mock trial. Finally the course material will be used to improve oral and written communication skills. (Alternate years)

- 305 American Constitutional Law II (3)** This course is designed to provide the student with a basic knowledge of the major constitutional issues regarding the rights of the individual in the U.S. It also explores the Constitution and the evolution of American law in such areas as freedom of expression, political participation, equal protection, right to privacy, and criminal procedure. In addition, this course will work to improve oral and written communication skills via written assignments and oral presentations. (Alternate years)
- 306 Parties and Political Behavior In America (3)** An analysis of political parties, the party system, interest groups, political socialization, political culture, public opinion, voting behavior, and other aspects of political behavior in the United States. (Alternate years)
- 307 Introduction to Public Administration (3)** An introductory survey of the principles, functions, and processes of public administration with specific emphasis on the political aspects and environment of bureaucracies and the how and why of policy making within an administrative system. Organizational values, traditions, and objectives are analyzed. (Alternate years)
- 309 Introduction to Public Policy (3)** Analysis of political and organizational processes that influence the formulation and implementation of public policy. Special attention will be given to the formulation, implementation, and evaluation of various public policies. Further, the course is intended to develop some skills for the evaluation and design of policies. (Alternate years)
- 311 Elections and Campaign Management (3)** A study of the American electoral process and the craft of managing political campaigns. Special emphasis will be given to campaign organization, message development, fundraising, opposition research, and media relations. The course will also reflect on how campaigns fit into our conception of what it means to be a democratic society. (Alternate years)
- 312 Politics and the Media (3)** (PR: PLSC 201 or 202) This course examines the way in which modern mass media have altered the dynamics of democratic politics in the United States. More generally, the course will analyze the ways that the mass media influence how we think and act in the political world. Specific topics include how media influence citizenship and democratic governance, how news is made, and the impact that media have on individuals, political institutions, policy making, and the prospects of democratic deliberation. (Alternate years)
- 313 The American Presidency (3)** A study of the “central institution” of the American political system from these and other perspectives: personality and structure in shaping presidential character, the domestic and international presidencies, evolution of the institution and theories about its role, presidential election, and federal public administration. (Alternate years)
- 314 Congress and Legislative Process (3)** A study of the United States Congress and the process by which it operates. Issues explored include the selection of members, leadership, budgeting, the role of committees, and executive legislative relations. Additionally, the differences between the House and Senate, the development of public policy, and the changing nature of the process will be explored. (Alternate years)
- 316 State and Local Politics (3)** This course will examine selected aspects of the theory, powers, structure, processes of and interrelationships between state and local governments in the United States. The course will also include an examination of the major factors contributing to conflict and cooperation in state and local governmental environment. (Alternate years)
- 317 Interest Groups and Lobbying (3)** An analysis of interest group development, maintenance, and conduct in the governmental process. This course focuses on the larger concept of advocacy in a democracy as well as strategic and tactical decisions that groups must make when attempting to influence government policy. The particular case of state legislative lobbying in South Carolina is used to explore these two objectives. (Alternate years)
- 319 Southern Politics (3)** An analysis of the contemporary politics and governments of the southern states. The course provides an understanding of political development in each of the former confederate states and an overview of driving political forces in the region such as the rise of the GOP, the empowerment of African-Americans, and the role of southerners in Congress and presidential selection. Attention is also given to the prominence of personality in the politics of the South. (Alternate years)
- 322 American Political Thought (3)** The course will examine the different ways American political thinkers and activists have envisioned democracy. Attention will be given to the principles of the Declaration of Independence and the Constitution as developed by Mason, Jefferson, Madison, and Hamilton and to the interpretation of these principles by such statesmen as Jackson, Lincoln, Theodore Roosevelt, Herbert Hoover, and Franklin Roosevelt. Other topics will include African-American political thought, women’s rights, and the current liberal-conservative debate.
- 324 Classical Political Thought (3)** An examination of selected political thinkers from the Greek tradition to the Renaissance with an emphasis on ideas concerning the nature of politics and the origins and ends of government.
- 326 Modern Political Thought (3)** The course examines the political ideas and theories of such thinkers as Hobbes, Locke, Rousseau, Marx, and Mill that helped shape the modern period of politics.
- 327 Contemporary Political Thought (3)** This course is designed to create a deeper understanding and interest in contemporary issues in political thought such as neo-liberalism, neo-conservatism, nationalism, globalization, theopolitics, and Islamism.

- 331 International Relations (3)** This course is an analysis of international relations as a political process with emphasis on patterns of policy formulation, conflict, and cooperation. Selected case studies will be used to supplement the theoretical material.
- 332 American Foreign Policy (3)** A study of the conduct and content of American foreign policy since the Second World War including foreign policy formulation, operation, and case studies of implementation.
- 338 The History, Society & Politics of Cuba (3)** (PR: *Acceptance in the Semester in Cuba Program* • XL: SOC 338) This course will focus on Cuba as a particular case of colonial and neocolonial domination and as a particular manifestation of Third World national liberation movements that seek transformation of structures of colonial and neocolonial domination. The course includes an experiential component of 40 hours. Offered in Cuba in the Semester in Cuba Program.
- 339 U.S.-Cuban Relations: Historical Perspective and Contemporary Reality (3)** (PR: *Acceptance in the Semester in Cuba Program*) The objective of the course is to provide students with an overview of U.S.-Cuban relations from colonial times to the present in order to describe the main elements toward understanding the new phase of the historical conflict between the two countries that ensue after the Cuban Revolution in 1959 and continues unabated until today. The course includes an experiential component of 40 hours. Offered in Cuba in the Semester in Cuba Program.
- 341 International Political Economy (3)** (XL: ECON 341) This course examines the evolution of the international trading system, international monetary and financial system, multinational corporations, international development, and the impact of globalization, with an emphasis on the interaction of political and economic factors.
- 342 International Organizations (3)** This course explores the history, structure, and function of international organizations and places an emphasis on the study of the United Nations (UN). Our purpose is to understand how the emergence of international organizations has shaped the modern world and the difficulties of global governance in a world of sovereign states. The course incorporates regular simulations of various organs of the UN.
- 352 Politics of Modern China and Asia (3)** With China's phenomenal economic development since 1978, the impact of China's emergence is increasingly felt around the world. Along with China's rise, Japan remains an economic giant and India is rapidly catching up as a serious contender for regional economic and political supremacy. The first half of this course introduces students to China's culture, history, politics, economy, and foreign relations, and discusses the challenges and opportunities brought by China's rise for the United States. The second half of the course compares the politics of China, Japan, and India, and discusses the implications of their regional rivalry. (Alternate years)
- 355 Russia and Eastern Europe (3)** An account of the histories and political cultures and processes of Russia, of other polities of the former Soviet Union, and of European nations previously parts of the "socialist bloc." Focus upon political and economic transformation during and since the Gorbachev era.
- 361 African Politics (3)** This course explores political and economic development problems in contemporary Africa. It will explore pre-colonial African society, the impact of colonialism, problems facing the modern state of Africa, the exploitation of state institutions by elites, and the challenges democracy faces in the region.
- 362 Modern Latin American Politics (3)** This course introduces students to Latin American politics and political economy from the 1950's to the present. It will engage not only the historical and political significance of major events, but also what effect these events have on current politics. This course focuses on two issues that have defined political interaction on the continent: democracy (and/or the lack thereof) and the economy (and transitions to a market economy over time).
- 370 Third World Underdevelopment and Politics (3)** (PR: PLSC 201 or SOC 201, or POI • XL: SOC 370) An examination of the political, economic, and social factors that have led to the present state of underdevelopment in the Africa and parts of Asia, Latin America, and the Indian subcontinent. Social scientific theories of underdevelopment and the role of the political system in the process of development are analyzed. The particular attention is given to the role of government in the economy, processes of economic reform, and the corresponding effects on poverty, income distribution, and other factors related to development.
- 380 West European Politics (3)** A survey of the political systems, parties and contemporary issues of Western Europe. The course will also examine the role of the European Community (EC) and individual nation states as case studies.
- 387 Middle East Politics (3)** This course provides a survey of various political systems in the Middle East. The emphasis is upon the evolution of the state system and its contemporary challenges. Topics include nationalism; the role of secular and religious forces; economics development; regional dynamics and their relationship to international politics.
- 398 Honors Research (3-6)** See page 26.
- 440 Senior Capstone in Political Science (3)** This course provides political science majors with the opportunity to apply what they have learned in political science classes over their college careers to fundamental concepts of government and political issues of the day as well as examining the relationship between the study of political science and career choice. These aims will be pursued in a two-part strategy. First, students will demonstrate the knowledge and skills that they have developed within the major by a standardized exit exam, written assignments, and oral presentations/discussions. Second, the course will expose students to the various career paths that are open to political science majors by guest lecturers and/or field trips.

442 Directed Studies (1-6) Course designed to allow the student to pursue a topic of special interest under the direction of a member of the department. Hours and credit will be determined by the nature of the student's program of study. A maximum of six hours of credit may be earned in directed study. See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-3) See page 23.

448 Research (1-3) See page 23.

450 Seminar (1-3) See page 23.

452 Special Projects (3-6) See page 23.

458 Special Topics (3-6) See page 23.

PORT • Portuguese

101 Introductory Portuguese I (4) A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of Luso-Brazilian culture.

102 Introductory Portuguese II (4) (*PR: PORT 101 or placement*) A continuation of PORT 101.

151 Accelerated Introductory Portuguese (4) An accelerated course for students with previous study of a Romance language, especially Spanish. Continues the development of fundamental skills with an emphasis on speaking and comprehension.

201 Intermediate Portuguese I (3) (*PR: PORT 102, 151, or placement*) A study of Luso-Brazilian culture accompanied by a thorough review of grammar and continued oral-aural work as well as continued practice in writing.

202 Intermediate Portuguese II (3) (*PORT 201 or placement*) A continuation of PORT 201.

324 Contemporary Brazilian Film (3) (*XL: SPAN 324*) This course focuses on the development of Brazilian film from precursors of the "Cinema Novo" movement of the 1950s and 1960s to the recent resurgence in Brazilian cinematography since the late 1990s.

442 Directed Studies in Portuguese (1-9) (*PR: two years of PORT*) Directed independent study in Portuguese on a topic approved by the department. See page 23.

444 Internships (1-6) See page 23.

446 Readings (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

PRLW • Pre-Law

444 Internship (1-6) See page 23.

PSYC • Psychology

201 Introductory Psychology (3) Survey of the various topics of study in modern psychology and the different approaches to understanding these areas. Topics include sensation, perception, learning, memory, motivation, emotion, behavior pathology, social interaction, and personality.

205 Experimental Study of Behavior (4) (*3 hrs lecture, 3 hr lab weekly • PR: PSYC 201*) Experimental, survey, and observational methods of data collection. Emphasis on the role of theories, the logic of hypothesis testing, control of variables, correlational techniques, and data description and interpretation. Includes student participation in research projects covering a variety of content areas.

212 Child Psychology (3) (*PR: PSYC 201*) A study of developmental psychology from conception to adolescence, including theories of child psychology and descriptive characteristics marking physical, social, and cognitive growth at each period of development. Special attention is given to the cultural and social forces that influence children and their development. Field experiences with children are available.

213 Adolescent Psychology (3) (*PR: PSYC 201*) Principles and theories of adolescent psychology, including biological, cognitive, social, identity, and moral development. Attention to topics of current interest and opportunities for field experience with adolescents.

214 Psychology of Adulthood and Aging (3) (*PR: PSYC 201; SO status*) A study of the theoretical and research knowledge about physical, intellectual, social and personality development that takes place from adulthood until death. Several specific issues of adulthood and aging such as marriage, parenthood, family, vocations, retirement, and death are discussed.

217 Lifespan Development (3) (*PR: PSYC 201*) Human development from birth to old age will be explored through the study of developmental processes and theories. Emphasis is placed on development as a life-long process and how these processes affect human behavior. This course will include an examination of all forms of development across the lifespan: physical, cognitive, social, psychological, moral, and linguistic.

258 Special Topics (1-6) See page 23.

301 Abnormal Psychology (3) (PR: PSYC 201) Integrative and multidimensional study of abnormal behavior. Disorders studied according to diagnostic classification, etiology, and treatment. Includes case studies presented by persons with disorders.

303 Educational Psychology (3) (PR: PSYC 201) The principles and procedures of learning psychology applied to education with study of such topics as variables that affect learning, planning, directing, and evaluating learning. Attention is directed to contrasting theories of human learning as applied in educational settings.

307 Tests and Measurements (3) (PR: PSYC 201) A study of the basic theory of testing as it relates to the practices of test construction, evaluation, and interpretation. Emphasis on a thorough treatment of the principles of achievement, aptitude, intelligence, and personality assessment.

310 Theories of Personality (3) (PR: PSYC 201) A detailed study of classical and contemporary theories of personality. Theories studied according to classification, place in history of psychology, key concepts, personality development and dynamics, research methods and findings, application, and evaluation.

311 Personality Development in Young Adulthood (3) (PR: PSYC 201 • RE: PSYC 310) An applied course in personality derived from personality theories explaining young adulthood. Topics and issues of relevancy in this life stage are studied in-depth. Increased self-understanding is the objective.

312 Social Psychology (3) (PR: PSYC 201 or SOC 201 • XL: SOC 312) A study of the relation of the individual to the social group. Topics include conformity, obedience, attitudes and persuasion, aggression, prejudice, and attraction.

315 Psychology of Religion (3) (PR: PSYC 201 or POI • XL: RELG 315) This course focuses on religious beliefs, religious feelings, and behavior from a psychological perspective. Issues of interest include: religious development, conversion, the role of religious faith in promoting health and well-being in the individual and compassion for others. The secular value of religion within a society and religion from an evolutionary perspective will also be explored.

316 Systems and Theories of Psychology (3) (PR: PSYC 201) A study of the history of psychology and its development as a science. Emphasis on the major schools of thought of the past century including structuralism, functionalism, behaviorism, and Gestalt psychology. The effect of these movements on approaches to contemporary problems is stressed.

318 Physiological Psychology (4) (3 hrs lecture, 3 hrs lab weekly • PR: PSYC 201 • RE: BIOL 105 and 106 and minimum of 6 hrs in psychology) Examines the biological bases of human behavior with primary emphasis upon the anatomy, physiology, and biochemistry of the nervous system. The biological substrates of motivation, sensation perception, emotion, and learning are investigated. Also designed to acquaint student with research techniques and subsequent theories that comprise physiological explanations of behavior.

322 Industrial/Organizational Psychology (3) (PR: PSYC 201 or ECON 201 • XL: BADM 322) The application of psychology to workplace settings, including not only business and industry but also non-profit organizations such as hospitals, government, and social agencies. Topics include employment recruitment and selection, organizational communication, motivation of workers, and performance evaluation. Topics are of special relevance to students who at some point in their careers expect to be in managerial or administrative positions within an organization, be it a business or non-profit organization.

324 Sport Psychology (3) (PR: PSYC 201 • XL: PHED 324) Application of psychological principles to various aspects of sport. Topics include behavioral principles, motor learning, anxiety and arousal, mental preparation, leadership, team cohesion, audience effects, aggression, personality, assessment, gender roles, youth sport, coaching, and exercise psychology.

326 Criminal Behavior (3) (PR: PSYC 201) A study of the antecedents of criminal behavior and its expression in various forms. Students will be asked to adopt a systems approach in which evidence from psychological, sociological, neurological, cognitive, and behavior genetics research is considered.

330 Human Sexuality (3) (PR: PSYC 201) Sexuality is studied as a component of human behavior including such topics as biologically based behaviors, psychosocial influences, and communication within relationships. Informed decision-making is addressed within the contexts of respect, responsibility, and reality with sensitivity to diversity, moral values, and ethics.

361 Drugs and Behavior (3) (PR: PSYC 201 and JR status) This course examines basic pharmacological principles and the physiological responses and behavioral effects of drugs on humans. Considered are the psychological effects, brain mode of action, and patterns of use of psychoactive agents, including stimulants, sedative/hypnotics, hallucinogens, marijuana, alcohol, over-the-counter drugs, cognitive enhancers, anti-anxiety agents, antidepressants, and anti-psychotics.

398 Honors Research (3-6) See page 26.

402 Principles and Procedures of Counseling (3) (PR: PSYC 201 and JR or SR status • RE: PSYC 310) Study of theories, principles, and procedures of counseling. Emphasis on dynamics of behavior and communication skills. Application to human services professions

- 403 Experimental Psychology: Principles of Learning and Behavior (4)** (3 hrs lecture, 3 hrs lab weekly • PR: PSYC 201 and 205) Theoretical and atheoretical approaches to the study of classical and instrumental conditioning, discrimination learning, and reinforcement. Includes discussion of the practical applications of these principles and an opportunity for individual investigation.
- 404 Group Dynamics (3)** (2 hrs lecture, 2 hrs lab weekly • PR: PSYC 201 • Recommended: PSYC 402) Integrates theories and techniques for leading groups in human service settings. Students participate in experiential learning.
- 406 Experimental Psychology: Cognition (4)** (3 hrs lecture, 3 hrs lab weekly • PR: PSYC 201 and 205) A study of human information processing, including a critical examination of attention, pattern recognition, memory, thinking, and problem solving. Emphasis on the evaluation of theoretical approaches both in discussion and in laboratory work.
- 407 Experimental Psychology: Sensation and Perception (4)** (3 hrs. lecture, 3 hrs lab weekly • PR: PSYC 201 and 205) Survey of the various sensory modalities and principles of perception that contribute to conscious experience. Topics include perception of depth, color, motion, objects, and illusions as well as clinical deficiencies and psychophysics. Lecture supplemented by lab experiments and demonstrations.
- 440 Psychology Capstone (1)** (PR: SR status and PSYC major) Part of the capstone requirement for all majors who have not completed independent or honors research in psychology. Students might expand upon a topic on which they have done a term paper for another psychology class or a paper integrating courses from the major with field experience in an internship. A formal oral presentation on the topic will be made to the entire psychology faculty after an acceptable paper on the topic has been accepted.
- 442 Directed Studies in Psychology (1-3)** (PR: JR or SR status and PSYC major) In-depth study of the literature in an assigned area of psychology closely directed and supervised by instructor. See page 23.
- 444 Internship in Psychology (3-6)** (PR: JR or SR status and PSYC major) Student observation and participation in a psychological field setting approved by the department. Required hours are based on college requirements and include regular class meetings. See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research in Psychology (3-6)** (PR: JR or SR status and PSYC major) Empirical research in some assigned area in psychology. See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-9)** See page 23.

RELG • Religion

- 101 Old Testament Survey (3)** A survey of the Old Testament with attention to the history of the people of Israel, the development of the Israelite faith, and the composition of the Old Testament writings.
- 110 New Testament Survey (3)** A survey of the New Testament with attention to its expression of the Christian faith and the historical development of its writings.
- 220 International Mission (3)** An introductory course dealing with the mission of the Church with emphasis on the international and cross-cultural aspects of that mission. Possible areas of focus include (1) Biblical basis for mission, (2) some historical patterns of mission, (3) communicating the Gospel to people of other cultures, (4) some theological and moral issues in international mission such as hunger and justice, (5) various ways to be involved in missions today, and (6) partnership with national churches. (Alternate years)
- 258 Special Topics (1-6)** See page 23.
- 280 Third World Experiences and Seminar (4)** (PR: POI) Through experimental learning, readings, discussions, participatory learning activities, writing assignments, and study of selected biblical passages, class participants will be stimulated to critical thinking in regard to their own society. The course includes a week in a Third World country and a weekend at a homeless shelter in a large metropolitan area of the United States.
- 302 Christian Doctrine (3)** (PR: RELG 101 and 110, or POI) A systematic consideration of the major doctrines of the Christian faith with primary emphasis on the Protestant tradition.
- 303 Medieval Philosophy and Theology (3)** (XL: PHIL 302) A study of the major Christian, Islamic, and Jewish thinkers of the Medieval period, including Augustine, Aquinas, Avicenna, Al-Ghazali, Averroes, and Maimonedes. Central questions of the course include the relationships between faith and reason and between the body and the soul.
- 308 Judaism (3)** (PR: RELG 101) An introductory overview of the writings, history, beliefs, and practices of Judaism. (Alternate years)
- 310 World Religions (3)** (PR: RELG 101 and 110, or POI) An examination of the history, teachings, and practices of the major non-Western religions, including Hinduism, Buddhism, Jainism, Confucianism, Taoism, and Islam.
- 312 Women in the Bible (3)** (PR: RELG 101 and 110, or POI • XL: WGST 312) This course will consider the biblical accounts of women as well as the range and significance of the Bible's portrayal of women. This course is offered in conjunction with the Women and Gender Studies Program. (Alternate years)

- 313 The Old Testament Prophets (3)** (PR: RELG 101) Begins with a study of early (pre-literary) Hebrew prophecy, moving to an examination of the literary development of the classical prophetic books. Concentration on prophets of 8th and 7th centuries B.C., especially Isaiah and Jeremiah, with attention to their relevance for modern times. (Alternate years)
- 315 Psychology of Religion (3)** (PR: PSYC 201 or POI • XL: PSYC 315) This course focuses on religious beliefs, religious feelings, and behavior from a psychological perspective. Issues of interest include religious development, conversion, the role of religious faith in promoting health and well-being in the individual and compassion for others. The secular value of religion within a society and religion from an evolutionary perspective will also be explored. (Alternate years)
- 317 The Pentateuch (3)** (PR: RELG 101) A study of the literary, historical, and theological issues arising from the first five books of the Old Testament. Special emphasis is given to the development of interpretive skills. Attention is also paid to questions of composition, archaeology, and comparative studies between the Bible and the Ancient Near East. (Alternate Years)
- 320 Introduction to Modern Christian Thought (3)** (PR: RELG 101 and 110) An introduction to the major Christian theologians of the 20th century. Both primary and secondary sources are consulted.
- 322 Studies in the Synoptic Gospels (3)** (PR: RELG 101 and 110) An examination of Matthew, Mark, and Luke and investigation of selected problems in the Synoptic Gospels in light of historical-critical research. (Alternate years)
- 330 Pauline Epistles (3)** (PR: RELG 101 and 110, or POI) An examination of the letters attributed to Paul in light of their historical contexts along with a consideration of their relevance for modern times. (Alternate years)
- 332 Hebrews and General Epistles (3)** (PR: RELG 101 and 110, or POI) An in-depth study of Hebrews and selected General Epistles in their historical contexts along with consideration of contemporary issues related to these documents. (Alternate years)
- 333 Johannine Studies (3)** (PR: RELG 101 and 110, or POI) An intensive study of the Gospel and Epistles of John in the light of various modern methods of research and interpretation. Interpretive approaches for the study of Revelation will also be examined. (Alternate years)
- 340 Theory of Religion (3)** (XL: PHIL 340) What is religion? What are its origins and what is its future? Is it a source of good or evil? This course will explore contested questions about the nature of religion and the proper way to study it through a survey of various approaches and topics such as theology, philosophy, history, psychology, sociology, anthropology, and cultural studies. Our central questions will be how to assess (a) religious claims and (b) claims about religion. (Alternate years)
- 343 Contemporary Use of the Bible (3)** (PR: RELG 101 and 110, or POI) What is the Bible? In what sense can it be regarded as authoritative? How can it be used legitimately as a source of present day ethics, preaching, teaching, and personal guidance? What is the relationship of the Bible to modern history and science? These and similar questions will be addressed by considering the opinions of scholars and church leaders of varying perspectives and by critical analysis of contemporary speeches, sermons, articles, and popular literature.
- 344 Survey of Sacred Music (3)** (XL: MUSC 344) The history of sacred music with emphasis on liturgies, hymns, sacred song, psalmody, and contemporary trends and issues. (Alternate years)
- 355 Religion in America (3)** (XL: HIST 3244) A survey of the American religious experience from colonial times to the present with particular emphasis on the interaction of religion and American life. (Alternate years)
- 356 The African-American Religious Experience (3)** (XL: HIST 3245) An examination of the African-American contribution to the life of the American people from the period of slavery to the present. Particular emphasis on the relationship of African-American religion to American history and culture. (Alternate years)
- 357 History of Christianity (3)** (XL: HIST 3441) A historical survey of Christianity from its beginnings to the present. Particular emphasis on the development of Christian thought and its expression in the Church. Primary and secondary sources are consulted. (Alternate years)
- 398 Honors Research (3-6)** See page 26.
- 404 Hymnology (3)** (XL: MUSC 404) A survey of the history of the hymn as primarily manifested through its practice in congregational song. (Alternate years)
- 410 God and Globalization (3)** (XL: SOC 410) This course examines the relationship between religion and economics from a historical and a contemporary perspective. It examines the historical roots of capitalism through a reading of Adam Smith's classic, *The Wealth of Nations*, and Max Weber's *The Protestant Ethic and the Spirit of Capitalism*. Contemporary issues relating to globalization, the process by which international trade has dramatically increased, are examined in the second half of the course. The impact of globalization on developed as well as developing societies will be considered from the perspective of religious and social life.
- 418 Bonhoeffer's Theology and Ethics (3)** What is the heart of discipleship? How might Christian community be shaped by practices of private and public devotion and worship? Who is Jesus Christ for us today? This course will address these questions in light of the theology and ethics of Dietrich Bonhoeffer. We will also examine Bonhoeffer's involvement in Christian resistance movements against the Nazis in Germany during the 1930s and 1940s. Readings will include *The Cost of Discipleship*, *Life Together*, *Prayerbook of the Bible*, and *Ethics*.

- 420 Virtue and Vice (3)** What does true virtue look like? Is it humanly possible to be without vice? This course will examine answers to these questions with guidance from major Christian thinkers including Augustine, Aquinas, Luther, and Erasmus. Attention will also be given to the role of 16th and 17th century theater in the formation of the moral virtues.
- 440 Capstone Seminar in Religion (3)** (XL: R-CE 440) This research seminar is designed to give religion majors the opportunity to identify a timely research topic, hone their research skills, write a significant research paper, present their findings in an open seminar format, and hear formal responses from their peers. Students will draw from their major course work in religious studies and across the colleges curriculum to address a selected topic in a holistic and integrative fashion as both a presenter and respondent.
- 442 Directed Studies (1-3)** (PR: POI and department chair) Independent reading and/ or research in an area of the student's special interest. A plan including a statement of the purpose of the study, a bibliography, and the nature of any paper(s) to be written or project(s) to be completed must be approved by the instructor and the department chair at start of the term. See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics (1-6)** See page 23.

R-CE • Religion – Christian Education

- 301 Introduction to Christian Education (3)** A survey of the foundational issues underlying Christian education with an emphasis on biblical, theological, philosophical, historical, and psychological themes. Significant time will also be dedicated to curriculum and design and the selection of curriculum resources. Activities and discussions take place against the background of observations in a local church.
- 310 Education Across the Ages (3)** This course examines the distinctive theories and practices for the developmental stage of faith and life (children, youth, and adults) and provides students with the opportunity to focus on skills for one area while understanding how each part relates and integrates with the whole.
- 320 Theory and Theology of Christian Education (3)** (PR: R-CE 301) This course is a survey of educational theories that form and inform the field of Christian education and the theological foundations that sustain it and equip students to effectively engage in conversation with and employ theory and theology as it relates to educational ministries.
- 323 Christian Education of Children and Families (3)** (PR: R-CE 301 or POI) An analysis of practices and programs in family and child education in the church from a developmental perspective. Emphasis on lesson planning and the development of teaching skills.
- 324 Christian Education of Youth (3)** (PR: R-CE 301 or POI) An analysis of contemporary culture and the role Christian education can play in the lives of young people. Emphasis on program design and the development of teaching skills.
- 325 Christian Education of Adults (3)** (PR: R-CE 301 or POI) An analysis of contemporary culture and the role Christian education can play in the lives of adults and older adults. Emphasis on program design and the development of teaching skills.
- 326 Recreation Leadership in Christian Education (3)** (PR: R-CE 301 or POI) A study of recreational resources and materials, the philosophy of recreation, and its place in the church. Emphasis on development of leadership skills.
- 330 Leadership in Congregations and Organizations (3)** This course is an analysis of leadership styles, systems theories, and practices that strengthen congregations and non-profit organizations. Emphasis will be given to planning, visioning, working with governing bodies and boards, and fiduciary responsibilities.
- 340 Advanced Teaching and Curriculum (3)** (PR: R-CE 301) This course expands the capacity of teaching through intentional exploration and experience of various methodologies and considers the congregation's curriculum, overt and hidden, with special attention given to evaluating, designing, writing, and adapting print curriculum.
- 405 Field Work in Christian Education (1.5-3)** (PR: R-CE 301 or POI) Supervised field work in a church or institution done in the area of the student's interest (youth, handicapped, children, etc.) and approved by the professor. May be completed in one or two semesters or a summer.
- 440 Christian Education Capstone: Program and Leadership Development (3)** (PR: R-CE 301 or POI • XL: RELG 440) An analysis of the profession of Christian education and how educational programs and leadership are exercised in the church. Students will do research projects and make public presentations of their findings.
- 442 Directed Studies (3-6)** See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.

458 Special Topics (1-6) See page 23.

SOC • Sociology

- 201 Introductory Sociology (3)** Overview of structure and dynamics of human societies. Topics include sociological theories and methods, culture, social organization, institutions, communities, social stratification, population, and social change.
- 206 Social Problems (3)** Problem areas in our society, including medical care, poverty and dependency, crime, alcoholism, sexual deviancy, race relations, and environmental concerns. (Alternate years)
- 207 Introduction to Anthropology (3)** Study of people as cultural being. Includes recent findings of physical anthropology and archaeology as well as in-depth study of selected non-literate societies.
- 258 Special Topics (1-6)** See page 23.
- 302 Marriage and the Family (3)** (PR: SOC 201 or POI) A sociology of the family, including those in other cultures. A functional study of marital problem areas, including sexuality, parenthood, and aging.
- 303 Sociology of the Contemporary South (3)** (PR: SOC 201 or POI) An examination of continuity and change in the subculture of the American South. Consideration will be given to regional identity, stereotypes, and images and to institutions found in the contemporary South. Also includes discussion of the South's future as a distinctive region. (Alternate years)
- 309 Criminology (3)** (PR: SOC 201 or POI) Crime, delinquency, and correction in American society. Police and legal problems.
- 310 Urban Sociology (3)** (PR: SOC 201 or POI) The human community as unit of social organization. Topics include historical development of cities, development of suburbs, urbanism as a way of life, metropolitan dynamics, and urban problems. Consideration of urban areas throughout the world. (Alternate years)
- 311 Sociological Theory and Social Policy (3)** (PR: SOC 201 or POI) An examination of the major theorists of the classical period of sociology and the major theoretical perspectives that have emerged in the contemporary period. The course analyzes the social foundations of the various perspectives and focuses on the implications of the various theories for social policy.
- 312 Social Psychology (3)** (PR: SOC 201 or PSYC 201 • XL: PSYC 312) A study of the relation of the individual to the social group. Emphasis on social factors in perception, motivation, emotion, crowd behavior, and prejudice.
- 325 Sociology of Aging and the Life Course (3)** (PR: SOC 201) A study of the social phenomenon of aging. Special attention is given to social roles of the elderly in the family, economy, community, and religion. Further consideration will be given to special problems facing the elderly such as health, care giving, and poverty and to exploring the role of the state in helping older adults.
- 326 Sociology of Work and Occupations (3)** (PR: SOC 201) A study of sociological perspectives on the changing nature and organization of work and the economy within American society and globally. Inequalities on the basis of gender, age, race, and social class are explored. Work structures, types of occupations, and global capitalism are also considered. (Alternate years)
- 338 The History, Society & Politics of Cuba (3)** (PR: Acceptance in the Semester in Cuba Program • XL: PLSC 338) This course will focus on Cuba as a particular case of colonial and neocolonial domination and as a particular manifestation of Third World national liberation movements that seek transformation of structures of colonial and neocolonial domination. The course includes an experiential component of 40 hours. Offered in Cuba in the Semester in Cuba Program.
- 360 World Population Issues (3)** (PR: SOC 201 or POI) Analysis of human population, its size, distribution, structure, and change from the social demographic perspective. Topics include fertility, mortality, migration, population trends, and population issues and policies.
- 362 Social Inequality (3)** (PR: SOC 201 or POI) Examination of social inequality in American society from a sociological perspective. Topics include class divisions, unequal access to goods and services, means utilized to maintain social inequality, and the dynamics of gender inequality. (Alternate years)
- 363 The Sociology of Gender (3)** (PR: SOC 201) A sociological analysis of the development and role of gender in human society. The course addresses how gender is socially constructed and the key issues for men and women that emerge in diverse social environments such as the home and workplace and in educational, religious, and political institutions.
- 364 Race and Ethnic Relations (3)** (PR: SOC 201 or POI) An examination of sociological perspectives on majority-minority relations and of the histories and cultures of particular racial and ethnic groups in the United States, including Afro-Americans, Native Americans, Mexican-Americans, Puerto Ricans, Chinese-Americans, and Japanese-Americans. (Alternate years)
- 366 Social Movements (3)** (PR: SOC 201 or POI) A study of the general characteristics of social movements. Two or more particular movements such as the African-American movement, Third World national liberation movements, the women's movement, and the ecology movement will be discussed. (Alternate years)

370 Third World Underdevelopment and Politics (3) (PR: PLSC 201 or SOC 201, or POI • XL: PLSC 370) An examination of the political, economic, and social factors that have led to the present state of underdevelopment in the Africa and parts of Asia, Latin America, and the Indian subcontinent. Social scientific theories of underdevelopment and the role of the political system in the process of development are analyzed. The particular attention is given to the role of government in the economy, processes of economic reform, and the corresponding effects on poverty, income distribution, and other factors related to development.

398 Honors Research (3-6). See page 26.

410 God and Globalization (3) (XL: RELG 410) This course examines the relationship between religion and *economics* from a historical and a contemporary perspective. We will examine the historical roots of capitalism through a reading of Adam Smith's classic, *The Wealth of Nations*, and Max Weber's *The Protestant Ethic and the Spirit of Capitalism*. Contemporary issues relating to globalization, the process by which international trade has dramatically increased, will be examined in the second half of the course. The impact of globalization on developed as well as developing societies will be considered from the perspective of religious and social life.

423 Research Methods (3) (PR: POI) Research methods in the social sciences including causal analysis, sampling, scale construction, research designs, data analysis, and research proposals.

424 Field Inquiry in Sociology (3) (PR: SOC 423) Students design and execute research projects under supervision. Introduction to data analysis and computer usage. Final paper must be presented orally.

442 Directed Studies (1-9) See page 23.

444 Internships (1-6) See page 23.

446 Reading (1-9) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.

SOST • Southern Studies

205 Introduction to Southern Studies (3) (PR: ENGL 110 and 111) An introduction to the culture, history, literature, and art of the South, covering periods from the earliest settlers to contemporary times.

314 Southern Literature (3) (PR: ENGL 206 for English majors/minors or SOST 205 for Southern studies minors • XL: ENGL 314) A survey of significant Southern writing from Colonial days to the present. Particular attention will be paid to the writers of the 20th century. (Alternate years)

315 Appalachian Literature (3) (PR: ENGL 110 and 111; ENGL 206 for English majors/minors or SOST 205 for Southern Studies minors • XL: ENGL 315) A survey of Appalachian fiction, poetry, and drama from the 1920's to the present, focusing on cultural identity, landscape, musical and religious heritage, regionalism, and migration experiences.

442 Directed Studies (3) (Open to Southern Studies minors who have completed at least nine additional hours towards the Southern Studies minor, including SOST 205) Designed to allow the student to pursue a topic of special interest under the direction of a faculty member who teaches courses that count towards the SOST minor. See page 23.

444 Internships (1-3) See page 23.

448 Research (1-3) See page 23.

452 Special Projects (3) See page 23.

458 Special Topics (1-6) See page 23.

SPAN • Spanish

101 Introductory Spanish I (4) A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of Hispanic culture.

102 Introductory Spanish II (4) (PR: SPAN 101 or placement) A continuation of SPAN 101.

151 Accelerated Introductory Spanish (4) An accelerated course for students with previous study of Spanish.

Continues the development of fundamental skills with an emphasis on speaking and comprehension. (Credit cannot be received for both 151 and 102.)

201 Intermediate Spanish I (3) (PR: SPAN 102, 151, or placement) A study of Hispanic culture accompanied by a thorough review of grammar and continued oral-aural work as well as continued practice in writing.

202 Intermediate Spanish II (3) (PR: SPAN 201 or placement) A continuation of SPAN 201.

258 Special Topics (1-6) See page 23.

300 Introduction to Literary Genres (3) (Prereq. SPAN 202 or POI) An introduction to the critical reading and analysis of poetry, narrative, and drama.

301 Advanced Spanish Composition and Conversation I (3) (PR: SPAN 202) An advanced course designed to develop skills in oral and written communication in Spanish. Discussions, oral presentations, and essays on material from Spanish magazine articles, short stories, and tapes.

- 302 Advanced Spanish Composition and Conversation II (3)** (PR: SPAN 301) A continuation of SPAN 301.
- 315 Spanish Civilization (3)** (PR: SPAN 300, 301 or 302, or POI) A study of Spanish civilization with emphasis on geography, history, social structure, and artistic contributions of the society.
- 316 Latin American Civilization (3)** (PR: SPAN 300, 301 or 302, or POI) A study of Latin American civilization from the pre-Columbian era to the present, including history, geography, politics, and artistic contributions of the society.
- 318 Political Violence and Culture in Latin America (3)** (PR: SPAN 300 or POI • XL: LAST 318) The 20th century saw Latin America preoccupied by the struggle over socialism and communism. This course will examine cultural representations of this struggle through film and short stories. Films will have subtitles and short stories will be available in English and Spanish.
- 321 Survey of Spanish Literature I (3)** (PR: SPAN 300 or POI) An introduction to Spanish literature from its beginnings through the 18th century.
- 322 Survey of Spanish Literature II (3)** (PR: SPAN 300 or POI) An overview of Spanish literature of the 19th and 20th centuries.
- 324 Contemporary Brazilian Film (3)** (PR: SPAN 300 or POI • XL: PORT 324) This course focuses on the development of Brazilian film from precursors of the “Cinema Novo” movement of the 1950s and 1960s to the recent resurgence in Brazilian cinematography since the late 1990s.
- 331 Survey of Spanish-American Literature I (3)** (PR: SPAN 300 or POI) An introduction to various genres written from the colonial period to modernism.
- 332 Survey of Spanish-American Literature II (3)** (PR: SPAN 300 or POI) An overview of the principal literary movements from modernism to the present.
- 333 Issues in Spain (3)** (PR: SPAN 300, 301 or 302, or POI • May be taken more than once for credit) This seminar focuses on issues in modern Spain. Possible topics include the role of Spain in the European Union, globalism, immigration, nationalism and identity, terrorism, post-civil war generation, gender and sexuality, and the role of the Catholic Church in the 21st century.
- 334 Issues in Latin America (3)** (PR: SPAN 300, 301 or 302, or POI • May be taken more than once for credit) This seminar focuses on issues in Latin America. Possible topics include the representation and voice of Latinos/Hispanics in the United States, interventionism, exile and migration, globalism, and indigenous cultures.
- 341 Business Spanish (3)** (PR: SPAN 202) A course designed to perfect skills in the language and procedures used by the Hispanic business world. Includes terminology and methods used in marketing, labor relations, international commerce, and banking; practice in interpreting and writing for business use; and acquaintance with the history, geography, culture, and economic status of the Spanish-speaking nations.
- 343 Spanish Apprenticeship (3)** (PR: SPAN 300, 301 or 302, or POI) Students observe beginning language classes and eventually teach segments of the course and prepare audio-visual materials and tests under the close supervision of the first-year teacher.
- 350 Latin American Cinema (3)** (PR: SPAN 300 or POI • XL: LAST 350) This course focuses on the development of Latin American film in the major filmmaking countries: Brazil, Mexico, Argentina, and Cuba. The course explores the nature of film itself, contextualizing cinematic production with historic, social, and aesthetic tensions in the construction of Latin American identity.
- 398 Honors Research (3-6)** See page 26.
- 440 Senior Capstone in Spanish (1)** (PR: JR or SR status) The Senior Capstone in Spanish assesses overall knowledge of the Spanish language and the culture and civilization of the Hispanic world. As a form of summative assessment of oral and written skills in the Spanish language, the capstone project integrates communicative, linguistic, and intercultural competence.
- 442 Directed Studies in Spanish (3-9)** (PR: SPAN 202 and SPAN major) Open to students planning to major in Spanish who will complete their major with a junior year abroad or for students taking Spanish as the second foreign language for a modern foreign languages major; readings and research on a topic approved by the department. See page 23.
- 444 Internships (1-6)** See page 23.
- 446 Readings (1-9)** See page 23.
- 448 Research (1-9)** See page 23.
- 450 Seminar (1-9)** See page 23.
- 452 Special Projects (1-9)** See page 23.
- 458 Special Topics in Spanish (1-6)** (PR: SPAN 202) Directed independent study on a topic approved by the department. See page 23.

SPCH • Speech

- 201 Public Speaking (3)** An introduction to the basic principles of effective communication. Speeches assigned on various topics and constructive criticism given. Poise and skill in public presentation of speeches emphasized.

STAT • Statistics

- 319 Introductory Statistics (4)** (3 hrs lecture, 3 hrs lab weekly) A course dealing with basic statistical concepts and methods: organization and presentation of data, probability, probability distribution, sampling distributions, simple regression and correlation, confidence intervals, and hypothesis testing.
- 320 Research Statistics (4)** (3 hrs lecture, 3 hrs lab weekly) A basic course in statistics with special attention to applications in behavioral, biological, and social science research. Includes organization and presentation of data, measures of central tendency and variability, sampling, regression and correlation, and hypothesis testing to include analysis of variance.

THEA • Theatre

- 1000 Introduction to Theatre (3)** A general survey designed to give the beginning student an overview of the history and practice of theatre. Emphasis given to the history of the theatre and study of the relationship of theatre to society, the creative nature of the theatre, theories of the theatre, the relationship of theatre to the other fine arts, theatre and crafts, and dramatic literature.
- 1200 The Design Process (3)** In this course, students will be introduced to the work of the theatre designer from the conceptual process through to the finished product of set, costumes, and lights with emphasis on the visual communication of meaning and the relationship of the designer to the total production process. Students will work conceptually on class projects and experientially on the departmental production. (Fall)
- 1300 The Acting Process (3)** In this introductory acting class, students will learn to convey ideas to an audience with clarity. Through exercises in voice and diction as well as physical training, students will develop and strengthen their communication skills for use in the theatre and in everyday life. The class will focus on the relationship between the actor's craft and the artistic purpose of the production. (Spring)
- 1400 Movement Styles I (3)** An interdisciplinary approach to movement which incorporates yoga, ballet, and modern dance. With a focus on balance and alignment, students develop an awareness of dance through collaboration, ensemble performance, and choreography. (Spring, odd years)
- 1401 Movement Styles II (3)** An interdisciplinary approach to movement, which incorporates African Dance, Jazz, and Hip Hop. Students will research the history of each dance style and then choreograph dances utilizing African, Jazz, and Hip Hop dance techniques. (Spring, even years)
- 2100 Theatre History I (3)** A survey of the history of theatre practice and critical theory from ancient times until the end of the 18th century. Emphasis will be placed on the theatre of Ancient Greece; Medieval theatre; Asian theatre; the theatre of the Renaissance in England, Spain, Italy, and France; and the English Restoration theatre. Methods of study will include lectures, readings, class discussions, and group projects. (Fall, even years)
- 2101 Theatre History II (3)** A survey of the history of theatre practice and critical theory from the 19th century to the present day. Emphasis will be placed on the development of style from romanticism through realism to the reactions to realism. Methods of study will include lectures, readings, class discussions, and group projects. (Fall, odd years)
- 2103 African-American Theatre (3)** A survey course on the development of modern African-American theatre, using the works of a selection of African-American playwrights as examples of the theatre of their time. (Spring, odd years)
- 2104 Intercultural Theatre (3)** In this course, students will investigate contemporary intercultural performance practice in the context of globalization and consider the ethical and artistic implications when a style is adapted for use outside of its parent culture. (Spring, even years)
- 2300 Contemporary Theatre (3)** (PR: THEA 1300) In this course students will use the techniques introduced in *The Acting Process* to study the work of one or more playwrights in the context of their time. (Fall, even years)
- 2301 Non-Realistic Theatre (3)** (PR: THEA 1300) In the course students will use the techniques introduced in *The Acting Process* to explore non-realism in the theatre. (Fall, odd years)
- 2500 Special Topics (1-6)** See page 22, 2011-12 Presbyterian College Catalog.
- 3000 Theatre for Social Change (3)** (PR: THEA 1300 or POI) This course will investigate the history of theatre for social change, including the work of Augusto Boal, Teatro Campesino, The Bread and Puppet Theatre, and the San Francisco Mime Troupe, Anna Deveare Smith, and others. It will then explore the process of collective creation by developing a production from concept to final performance. (Spring, odd years)
- 3001 Devised Theatre (3)** (PR: THEA 1000, 1200, 1300, or POI) In this course, students will use theatrical modes of expression, including, but not limited to, poetry, music, and movement, to investigate the inner landscape of self. They will explore the process of collective creation by developing a production from concept to final performance. (Spring, even years)
- 4000 Theatre for Social Change: Capstone (3)** (PR: THEA Major and SR Status) This course will investigate the history of theatre for social change and explore the process of collective creation by developing a production from concept to final performance. Senior theatre students will demonstrate their understanding of theatre art during the production process and in reflective activities. (Spring, odd years)

4001 Devised Theatre: Capstone (3) *PR: THEA major and SR Status*) In this course, students will use theatrical modes of expression including, but not limited to, poetry, music, and movement, to investigate the inner landscape of self and develop a production from concept to final performance. Senior theatre majors will demonstrate their understanding of theatre art during the production process and in reflective activities. (Spring, even years)

4002 Special Projects (3-6) *(PR: JR or SR status, or permission of major professor)* This course will normally involve student participation in an off-campus project. See page 22, 2011-12 Presbyterian College Catalog.

4003 Honors Research (3-6) See page 26, 2011-12 Presbyterian College Catalog.

4005 Directed Study (1-6) *(PR: JR or SR status, THEA major, and approval of major professor)* Directed independent study in one or more of the following areas: (1) the teaching of drama and speech, (2) dramatic literature, (3) acting, (4) directing, and (5) technical theatre. See page 22, 2011-12 Presbyterian College Catalog.

4006 Seminar (1-9) See page 22, 2011-12 Presbyterian College Catalog.

4007 Internships in Theatre (1-6) *(PR: THEA 120 and 15 additional hours of theatre)* Open only to theatre majors. Internships may be pursued in acting, stage managing, design, technical theatre, or related fields approved by the student's advisor and the drama faculty. The student's work will be closely supervised in the company in which the internship is undertaken, and he/she must submit weekly written reports and a final written report to his/her faculty supervisor. A student may not earn more than six hours in internship programs in theatre. See page 22, 2011-12 Presbyterian College Catalog.

WGST • Women's and Gender Studies

258 Special Topics (1-6) See page 23.

312 Women in the Bible (3) *(PR: RELG 101 and 110, or POI • XL: RELG 312)* This course will consider the biblical accounts of women as well as the range and significance of the Bible's portrayal of women. This course is offered in conjunction with the Women Studies Program. (Alternate years)

323 Love, Sex, and Philosophy (3) *(XL: PHIL 323)* Arthur C. Danto writes that "love is a philosophically unruly being, and the despair of moral epistemologists." We will explore this "philosophically unruly being" through the writings of classical philosophers, including Plato, Augustine, Rousseau, Hegel, Freud, de Beauvoir, and contemporary philosophers such as Martha Nussbaum, Robert Nozick, Annette Baier, and Robert Solomon. We will also ask whether philosophy helps us to address problems of love and sex, including sexual violence. (Alternate years)

325 Introduction to Women's Studies: Images and Identities (3) An interdisciplinary course that studies the roles, images, contributions, and experiences of women of various races, classes, and cultures, and concludes with a research or service learning project.

442 Directed Studies (3-6) See page 23.

444 Internships (1-6) See page 23.

448 Research (1-9) See page 23.

450 Seminar (1-9) See page 23.

452 Special Projects (1-9) See page 23.

458 Special Topics (1-6) See page 23.