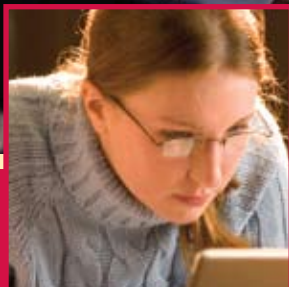
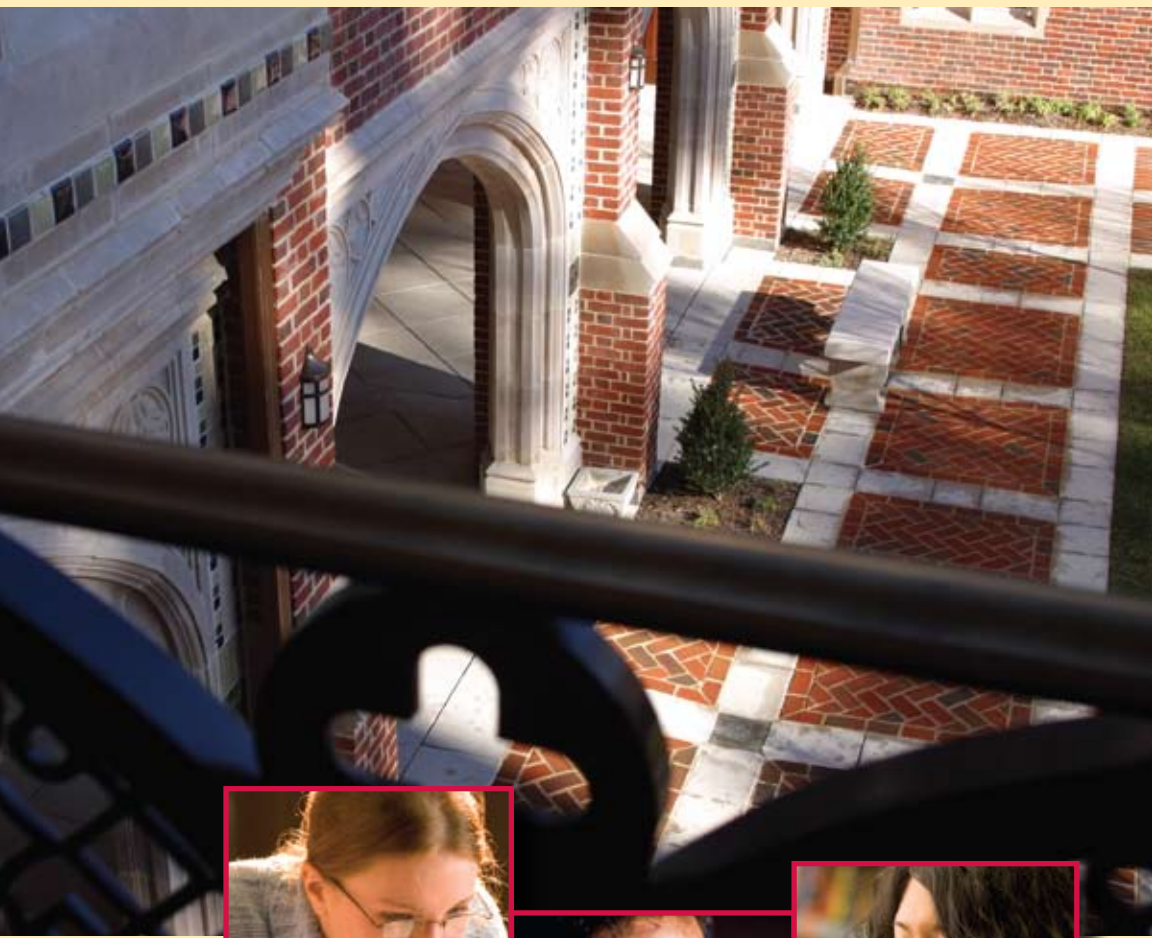




# 2008–10 Catalog UNDERGRADUATE



*The University of Richmond is committed to developing a diverse workforce and student body, and to modeling an inclusive campus community which values the expression of differences in ways that promote excellence in teaching, learning, personal development and institutional success. (<http://commonground.richmond.edu/>)*

## **Non-Discrimination Policy**

The University of Richmond prohibits discrimination and harassment against applicants, students, faculty or staff on the basis of race, religion, national or ethnic origin, age, sex, sexual orientation, disability, status as a veteran or any classification protected by local, state or federal law.

Copies of the complete “Harassment and Discrimination Policy (including Sexual Harassment)” are included in student handbooks, faculty handbooks and in the published guidelines for University of Richmond support staff. Copies are also available at the dean’s office of each college and school and the Department of Human Resource Services. For further information, students should contact the dean of their school or residential college; staff should contact the director of Human Resource Services; and faculty should contact the dean of their school.

Any inquiries regarding the University’s policies in these areas should be directed to the Office of the Vice President for Student Development, University of Richmond, Virginia 23173. Telephone: (804) 289-8032.

## **Disclaimer**

The contents of this catalog represent the most current information available at the time of publication. However, during the period of time covered by this catalog, it is reasonable to expect changes to be made with respect to this information without prior notice. Thus, the provisions of this catalog are not to be regarded as an irrevocable contract between the University (or any of its colleges or schools) and the student.

The catalog is also available online at **[undergradcatalog.richmond.edu](http://undergradcatalog.richmond.edu)**



**2008-10 Catalog**

# UNDERGRADUATE

## **ACADEMIC SCHOOLS**

School of Arts and Sciences

Robins School of Business

Jepson School of Leadership Studies

## **COORDINATE COLLEGES**

Richmond College

Westhampton College

University of Richmond, Virginia 23173

(804) 289-8000

[richmond.edu](http://richmond.edu)

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# Academic Calendars 2008-2010

## Fall Semester 2008

|                       |   |
|-----------------------|---|
| Aug. 20, Wed.         | School of Arts and Sciences: New students arrive; begin orientation   |
| Aug. 22, Fri.         | Registration/problem resolution for entering students                 |
| Aug. 25, Mon.         | Classes begin   |
| Sept. 1, Mon.         | Labor Day (classes meet)  |
| Sept. 12, Fri.        | Last day to file for May/August graduation                            |
| Oct. 10, Fri.         | Last day of classes prior to fall break (Residence halls remain open) |
| Oct. 15, Wed.         | Classes resume  |
| Nov. 25, Tues.        | Thanksgiving break begins after classes                               |
| Dec. 1, Mon.          | Classes resume  |
| Dec. 8-16, Mon.-Tues. | Fall term examination period  |
| Dec. 16, Tues.        | Fall term ends  |

## Spring Semester 2009

|                          |   |
|--------------------------|---|
| Jan. 12, Mon.            | Classes begin                                 |
| Feb. 6, Fri.             | Last day to file for December graduation      |
| Mar. 6, Fri.             | Spring break begins after classes             |
| Mar. 16, Mon.            | Classes resume                                |
| Apr. 27-May 2, Mon.-Sat. | Spring term examination period                |
| May 2, Sat.              | Spring term ends                              |
| May 10, Sun.             | Baccalaureate Service and Spring Commencement |

## Summer Session 2009

The Summer School Calendar for 2009 will be announced during the Fall 2008 term.

## Fall Semester 2009

|                       |   |
|-----------------------|---|
| Aug. 19, Wed.         | School of Arts and Sciences: New students arrive; begin orientation   |
| Aug. 21, Fri.         | Registration/problem resolution for entering students                 |
| Aug. 24, Mon.         | Classes begin   |
| Sept. 7, Mon.         | Labor Day (classes meet)  |
| Sept. 11, Fri.        | Last day to file for May/August graduation                            |
| Oct. 9, Fri.          | Last day of classes prior to fall break (Residence halls remain open) |
| Oct. 14, Wed.         | Classes resume  |
| Nov. 24, Tues.        | Thanksgiving break begins after classes                               |
| Nov. 30, Mon.         | Classes resume  |
| Dec. 7-15, Mon.-Tues. | Fall term examination period  |
| Dec. 15, Tues.        | Fall term ends  |

## Spring Semester 2010

|                          |   |
|--------------------------|---|
| Jan. 11, Mon.            | Classes begin                                 |
| Feb. 5, Fri.             | Last day to file for December graduation      |
| Mar. 5, Fri.             | Spring break begins after classes             |
| Mar. 15, Mon.            | Classes resume                                |
| Apr. 26-May 1, Mon.-Sat. | Spring term examination period                |
| May 1, Sat.              | Spring term ends                              |
| May 9, Sun.              | Baccalaureate Service and Spring Commencement |

## Addendum to the University of Richmond Academic Calendars 2008-2010

The list below is intended to familiarize the University community with major religious holidays affecting many throughout the campus. Inclusion on this list does not imply that the day is a University holiday but is provided to alert members of the Richmond community to possible scheduling conflicts. See the Class Attendance and University Holidays section of the catalog for details.

### Christian Holidays

|               | 2008-2009             | 2009-2010           |
|---------------|-----------------------|---------------------|
| Christmas     | Dec. 25, Thurs., 2008 | Dec. 25, Fri., 2009 |
| Good Friday   | Apr. 10, Fri., 2009   | Apr. 2, Fri., 2010  |
| Easter Sunday | Apr. 12, Sun., 2009   | Apr. 4, Sun., 2010  |
| Easter Monday | Apr. 13, Mon., 2009   | Apr. 5, Mon., 2010  |

### Jewish Holidays

|                               | 2008-2009                         | 2009-2010                    |
|-------------------------------|-----------------------------------|------------------------------|
| Rosh Hashanah                 | Sept. 30-Oct. 1, Tues.-Wed., 2008 | Sept. 19-20, Sat.-Sun., 2009 |
| Yom Kippur                    | Oct. 9, Thurs., 2008              | Sept. 28, Mon., 2009         |
| Sukkot                        | Oct. 14-20, Tues.-Mon., 2008      | Oct 3-9, Sat.-Fri., 2009     |
| Shemini Atzeret/Simchat Torah | Oct. 21, Tues., 2008              | Oct. 10, Sat., 2009          |
| Hanukkah**                    | Dec. 22-29, Mon.-Mon., 2008       | Dec. 12-19, Sat.-Sat., 2009  |
| Passover                      | Apr. 9, Thurs., 2009              | Mar. 30, Tues., 2010         |
| Passover (concluding days)    | Apr. 15-16, Wed.-Thurs., 2009     | Apr. 5-6, Mon.-Tues., 2010   |
| Shavuot                       | May 29, Fri., 2009                | May 19, Wed., 2010           |

- Jewish holy days, religious festivals and the weekly Sabbath begin at sunset the preceding evening. On these days, observant Jews do not engage in daily activities or fulfill routine commitments.
- Many Jews who do not observe all holy days prefer to celebrate at their synagogue or at home on Rosh Hashanah, Yom Kippur and the first two evenings of Passover.

*\*\*This holiday does not require absence from routine commitments.*

### Islamic Holidays

|                  | 2008-2009           | 2009-2010            |
|------------------|---------------------|----------------------|
| Eid-al-Fitr      | Oct. 1, Wed., 2008  | Sept. 20, Sun., 2009 |
| Eid-al-Adha      | Dec. 8, Mon., 2008  | Nov. 27, Fri., 2009  |
| Islamic New Year | Dec. 29, Mon., 2008 | Dec. 18, Fri., 2009  |

- All Islamic dates begin at sunset the preceding evening.
- The Islamic year is based on the lunar cycle, consisting of 12 months of 29 or 30 days each, totaling 353 or 354 days. Each new month begins at the sighting of a new moon. Actual dates may differ by a day or two from the above dates. In many places, the moon sighting is often determined in advance by astronomical calculations.

**For information regarding any of the following subjects, please write to the individual named:**

## **Academic Schools**

**School of Arts and Sciences**  
Andrew F. Newcomb, Dean  
Kathy W. Hoke, Director,  
Graduate School of Arts  
and Sciences

**Robins School of Business**  
Jorge Haddock, Dean  
Richard S. Coughlan,  
Associate Dean for Graduate  
and Executive Programs

**Jepson School of Leadership  
Studies**  
Sandra Peart, Dean

**School of Law**  
John Douglass, Dean

**School of Continuing Studies**  
James L. Narduzzi, Dean

## **Coordinate Colleges**

**Richmond College, for men**  
Joseph Boehman, Dean

**Westhampton College,  
for women**  
Juliette L. Landphair, Dean

## **Admission and Transfer**

**School of Arts and Sciences**  
Pamela W. Spence, Dean

**School of Business**  
Robert H. Nicholoso,  
Associate Dean

**Jepson School of Leadership  
Studies**  
Teresa J. Williams,  
Associate Dean

## **Business Matters**

**Fee and Payments**  
Annemarie Weitzel, Bursar

**Financial Aid**  
Cynthia A. Deffenbaugh,  
Director

## **Housing**

**School of Arts and Sciences**  
Joan D. Lachowski,  
Coordinator

## **Selected Administrative Offices**

**Athletics**  
James D. Miller, Director

**Career Development Center**  
Leslie Stevenson, Director

**Health Services**  
Lynne Pendleton Deane, M.D.,  
Director

**Information Services**  
Kathy Monday, Vice President for  
Information Services

**International Education**  
Uliana F. Gabara, Dean

**Multicultural Affairs**  
Tinina Q. Cade, Director

**Psychological Services**  
Peter O. LeViness, Director

**Records and Transcripts  
(Academic)**  
Susan D. Breeden,  
University Registrar

**Recreation and Wellness**  
Thomas Roberts, Director

**Religious Life**  
Kate O'Dwyer Randall, Acting  
Chaplain to the University

**Student Activities**  
Max V. Vest, Director

**Student Affairs**  
Steve Bisese, Vice President for  
Student Development





# About the University

## MISSION STATEMENT

The mission of the University of Richmond is to sustain a collaborative learning and research community that supports the personal development of its members and the creation of new knowledge. A Richmond education prepares students to live lives of purpose, thoughtful inquiry, and responsible leadership in a global and pluralistic society.

## ORGANIZATION AND ACCREDITATION

Five academic schools and two coordinate colleges form the University of Richmond, with authority and responsibility vested legally in the Board of Trustees and the president of the University. The several colleges and schools award no degrees individually, but all degrees for work done in any one of them are conferred by the University of Richmond.

The University enrolls approximately 2,900 full-time undergraduates, 92 percent of whom live on campus; 600 full-time law and graduate students; and 1,300 part-time students, largely from Richmond and the surrounding community.

The University of Richmond is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, and juris doctor degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Richmond. The University also is certified by the Virginia State Board of Education to offer teacher licensure programs. The chemistry program is accredited by the American Chemical Society. In addition, the Robins School of Business is accredited by the Association to Advance Collegiate Schools of Business International at the undergraduate and graduate levels, and the T.C. Williams School of Law is accredited by the American Bar Association.

## ENVIRONMENT AND HISTORY

The University of Richmond campus consists of about 50 major buildings of Collegiate Gothic architectural style set amid 350 acres of lawns, lake, and woodlands. The beautiful and harmonious setting has been recognized nationally by college guides. Richmond's history began almost two centuries ago with Richmond College, founded in 1830 by Virginia Baptists as a college of liberal arts and sciences for men. Around this nucleus were established the T.C. Williams School of Law (1870); Westhampton College, a college of liberal arts and sciences for women (1914); the Graduate School of Arts and Sciences, for advanced study in the liberal arts and sciences (1921); the E. Claiborne Robins School of Business, for undergraduate and graduate study in business (1949); University College, now known as the School of Continuing Studies, for evening, summer, and continuing education (1962); and the Jepson School of Leadership Studies, the first school of leadership studies in the United States (1992).

In 1992, the academic missions of Richmond College and Westhampton College were combined in a separate school, the School of Arts and Sciences. Richmond College and Westhampton College are the coordinate colleges for men and women respectively, providing special programming and leadership opportunities in student life.

Richmond benefits from a heritage of ethical and religious values, a residential character and a commitment to liberal and general education through intimate schools and colleges joined into a substantial whole.

## INFORMATION SERVICES— LIBRARY AND COMPUTING RESOURCES

### Library Resources

Boatwright Memorial Library, facing Westhampton Lake, is the main library. It includes collections and services for the humanities, social sciences, sciences, and business. Boatwright is also home to the Media Resource Center and the Digital Scholarship

Lab. The Parsons Music Library is in the Modlin Center for the Arts. The Muse Law Library in the Richmond School of Law serves the special needs of law students and faculty. The libraries' collections have been developed to meet the needs of students and faculty. Those collections consist of more than 500,000 volumes, access to more than 46,000 print and online journals, 55,000 electronic books, more than 230 online databases and a wealth of resources in media such as sheet music, DVD, audio CD, microfilm and audio books. Since 1900, the University of Richmond has enjoyed status as a depository for U.S. government publications. Boatwright Memorial Library holds more than 500,000 government documents in print and microform and provides electronic access to thousands more. The Galvin Rare Book Room contains nearly 25,000 rare books, first editions, maps, photographs and manuscripts. The online library catalog ([library.richmond.edu/](http://library.richmond.edu/)) provides access to the collections. The libraries participate in local and state consortia as well as national networks to obtain access to databases and to borrow items not held in the University's collections.

The libraries offer group and individual instruction in using these resources effectively. Group instruction is offered in the Boatwright Computer Classroom and other locations. In 2003, the faculty instituted a library research graduation requirement to introduce students to basic research tools and techniques. Individual assistance is available in person and online through various means described at [library.richmond.edu/help/ask\\_lib](http://library.richmond.edu/help/ask_lib).

Boatwright Memorial Library offers a mix of study space suitable for individuals working alone or in groups as well as AV viewing/listening carrels and rooms and more than 120 computer workstations. Laptop computers are loaned for in-building use and connect to the University's wireless network. When classes are in session, the first and second floors of Boatwright Library are open 24 hours a day.

A separate wing of Boatwright Memorial Library houses the Virginia Baptist Historical Society, a memorial to the Virginia Baptists who struggled to secure religious liberty in America. The library holds thousands of books, church records, manuscripts, and personal papers related to Virginia Baptist history and heritage. The society also manages the University's archives, a large collection of books, photos, and memorabilia related to the University's rich his-

tory. The University's libraries are open to the entire campus community.

Boatwright Library is also home to the 8:15 at Boatwright coffee shop.

## Computing Facilities

The University of Richmond is committed to preparing students to work successfully in technology- and information-centered environments. The Information Services division supports a teaching and learning environment that provides rich technology and information resources for students, faculty, and staff. Computer labs and classrooms with a total of more than 900 computers are spread across the campus and contain a wide variety of equipment and software. These systems can be accessed in Boatwright Memorial Library and in general purpose and discipline-specific computing spaces. Most residence halls are equipped with public computers in academic study lounges.

In addition to the general-purpose labs, many academic departments have computer labs designed to meet the special learning and research needs of their students. These include art and art history, the business school, chemistry, classical studies, education, journalism, the law school, modern literatures and cultures, music, physics, psychology, the leadership studies school, and theatre and dance.

The University maintains a robust network infrastructure. A wireless network supports mobile computing in every building on campus and provides coverage in most outdoor locations and public gathering spaces. Information Services keeps University-owned systems loaded with up-to-date versions of the latest software tools and anti-virus software. All users must have an active University computer account to log into any lab machine. To help ensure the security of our systems and network, passwords must be changed each semester in order to maintain an active account. Please refer to the Policies for Responsible Computing posted on the Information Services Policies Web page for guidelines regarding the use of University-provided technology resources.

The ground floor of Jepson Hall houses many computing resources, including a general purpose computer lab with a total of 30 workstations; five PC classrooms with full multimedia capabilities; and two computer classrooms running Windows, Linux and Unix designated for use by the math and computer science department. When classes are not in session,

the Jepson Hall computer classrooms are open for student use. Jepson Hall is also the location of the Computer Help Desk, a resource that provides assistance with computing-related issues for the entire campus. A listing of the current hours of operation for all of these resources may be found on the Information Services Web page.

The Technology Learning Center (TLC) is a unique resource located on the third floor of Boatwright Memorial Library. It is devoted to servicing the multimedia needs of students, faculty, and staff. This area offers PC and Mac workstations equipped with high-end Web development, multimedia, animation, 3-D modeling, and audio-video recording and editing software. Scanners, high quality printers, large-format plotters, digitizers, and digital video and still cameras also are available. In addition, the TLC contains a photography studio and a small recording studio. The TLC also supports media production in the Media Resource Center on the second floor of Boatwright Library. Most importantly, the TLC is staffed by professionals and well-trained student assistants. Students not only have access to the hardware and software, but also to experts who can help them effectively use the specialized tools.

Technology training is offered to students, faculty, and staff in a variety of formats, including books and CDs available in the TLC and searchable through the library catalog, online video tutorials, technology training classes offered throughout the school year, and one-on-one training sessions available through appointments at the TLC. TLC hours of operation and current technology training classes may be found on the Information Services Web page at [is.richmond.edu](http://is.richmond.edu).

## UNDERGRADUATE COLLEGES

Though Richmond is composed of five general academic schools as well as two coordinate colleges, this catalog provides specific program information about only undergraduate study in the School of Arts and Sciences, Robins School of Business, and Jepson School of Leadership Studies. Pertinent information about the coordinate colleges, Richmond College and Westhampton College, is also presented in this catalog. Detailed information about each of the other academic schools is available upon request to the respective dean's office.

## ACADEMIC SCHOOLS

### School of Arts and Sciences

All students begin as part of the School of Arts and Sciences. Approximately two-thirds of the University's students (2,300) then continue their study in arts and sciences, pursuing Bachelor of Arts and Bachelor of Science degrees in the more than 40 disciplines offered by the school. The arts and sciences faculty also provides instruction in the Graduate School of Arts and Sciences leading to a small number of master's degrees.

The School of Arts and Sciences is a blend of studies from all areas of life — health, fine arts, natural and urban environments, government, technology, cultures, emerging scientific studies, and literature are a few examples. Though the fields of study in the School of Arts and Sciences are diverse, each discipline pursues the common goals of challenging students to think critically and independently, to make decisions based upon their assessments, to communicate effectively, to gather and evaluate information and others' opinions, and to work collaboratively, expanding their understanding of others to better comprehend the systems and situations around them. The programs ask rather than tell. Working together across disciplines, the faculty and students explore how things work, ask why they operate as they do, evaluate what has been successful, and consider possible solutions or advancements. Faculty collaborate with students to research and create data or art, encouraging them to build their own knowledge and skills and demonstrating how to most effectively communicate and apply what they learn.

### Robins School of Business

The Robins School of Business enrolls about 650 men and women. The school's principal objective is to provide a professional college education that will enable students to meet the challenges of a complex and international business world.

The degree of Bachelor of Science in Business Administration (B.S.B.A.) is offered with majors in accounting, business administration, and economics. The business administration major has several areas of concentration that students may pursue. Once a student declares his or her major, the Robins School of Business provides a number of internal activities in which students may participate, including its own

student government. The Robins School also has a chapter of Beta Gamma Sigma, a national honor society. Membership in Beta Gamma Sigma is the highest national recognition a student can receive in an undergraduate or master's program accredited by the AACSB-International.

The School of Business faculty also provides the Master of Business Administration (MBA) degree in the Robins School of Business.

## **Jepson School of Leadership Studies**

The Jepson School of Leadership Studies offers the Bachelor of Arts degree with a major in leadership studies, as well as a minor in leadership studies. The Jepson School uses multiple disciplinary lenses to educate students for and about leadership. As a result, both the major and the minor are broadly based in the liberal arts but highly integrated with leadership as a unifying theme. By engaging students in the classroom and in the world around them, the Jepson School challenges students intellectually and prepares them for future responsibilities of leadership.

## **Coordinate Colleges**

Undergraduate students at the University of Richmond are members of an academic school: the School of Arts and Sciences, the Robins School of Business, or the Jepson School of Leadership Studies. Depending on their sex, students are also members of a coordinate college: Richmond College for men and Westhampton College for women. The coordinate colleges serve as dean of students offices and manage academic policy matters, thereby providing a holistic approach to students. The college deans report to both the vice president of student development and the dean of arts and sciences.

Each coordinate college has its own staff, residence life program, student government, activities, and traditions. Deans' staff members focus on students' personal development, crisis management, judicial policies, and matters that involve the University's honor code. The deans' offices also oversee popular student traditions that recognize and celebrate the smaller college community and heritage, including Westhampton College's Junior Ring Dance and Richmond College's Investiture. The residence life programs organize gender-based programming within the residence halls and living/learning initiatives that make important intellectual and personal con-

nections between students and faculty members, e.g., the Richmond College Outdoor House.

The two student governments — the Westhampton College Government Association (WCGA) and the Richmond College Student Government Association (RCSGA) — afford students valuable leadership opportunities and guarantee that men and women students participate equally in the governing process. Meanwhile, students make connections between their curricular and co curricular experiences in college-based programs such as Westhampton College's Women Involved in Living and Learning (WILL) program.

For more information regarding Westhampton College see [oncampus.richmond.edu/Student\\_Affairs/wcollege](http://oncampus.richmond.edu/Student_Affairs/wcollege). For more information regarding Richmond College see [oncampus.richmond.edu/Student\\_Affairs/rcollege](http://oncampus.richmond.edu/Student_Affairs/rcollege).

## **SPIRITUAL LIFE**

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The University is committed to the formation and support of the spiritual needs and growth of all its students, regardless of faith, tradition, practice, or lack thereof. Religious and spiritual life activities and programs that invite, challenge, and support the spiritual maturity and understanding of all members of the university community are coordinated through the Office of the Chaplaincy, which is easily accessible in the E. Carlton Wilton Center for Inter-Religious Campus Ministries.

There are numerous organizations for students of various faiths and traditions, including Buddhist, Christian (Catholic, Orthodox, Protestant, and Ecumenical), Hindu, Jewish, Muslim, and Sikh. Events, dinners and programs are open to all so that interfaith understanding and cooperation might be fostered. Regular on-campus worship services and times for religious practice include Zen meditation on Tuesday evenings, Juma'a prayer on Fridays at noon, Shabbat prayer on Friday evenings, Ecumenical Christian worship on Sundays at 3:16 p.m., and Roman Catholic mass on Sundays at 5:00 p.m. Many student groups hold prayer and praise meetings as well. The City of Richmond has over 300 places of worship, each of which welcomes students to participate in their services and practice.

The Office of the Chaplaincy connects with the greater Richmond interfaith and civic community

through A More Perfect Union and offers individual support, counseling, and care by appointment with one of the chaplains.

Listings of on-campus and local events, houses of worship and holy days may be found on the Office of the Chaplaincy Web site, [chaplaincy.richmond.edu](http://chaplaincy.richmond.edu)

## Admission

The University of Richmond seeks to enroll men and women who have demonstrated the potential to succeed in a highly rigorous environment and who have shown evidence of their capability to contribute to the University community. Admission to the University is competitive and selective.

Criteria for admission are both objective and subjective. Such qualities as academic ability and achievement combined with personal qualities of leadership, creativity, and independence are sought. For those entering as first-year students, the secondary school experience, the results of standardized tests, and the particular characteristics and personal qualities of each applicant will be considered. Because we know that a family's financial situation has no relationship to a student's preparation, character, potential, or intellect, the University is proud to make admission decisions in a need-blind manner. Students who believe that they would benefit from the University's programs but do not have the resources to attend are encouraged to see the section on Financial Aid for more information.

The largest number of successful applicants will have pursued a highly rigorous college preparatory program. Successful applicants represent a wide variety of backgrounds. The prospective student is advised, therefore, to complete the most challenging college preparatory program that can be taken at the secondary school attended. Students admitted must show evidence of high school graduation or exemplary completion on all five achievement tests of the general education development (G.E.D.) battery.

For students who have attended other institutions of higher learning and wish to transfer to the University of Richmond, the academic achievement and courses completed at the prior institution will be important to the admission decision. In short, whether first-year or transfer, those students with the potential to be the most successful in this educational environment will be offered admission.

### Campus Visits

Prospective students are invited to visit the campus, participate in the admission information session, take a tour of the campus, and confer with professors, coaches, or other persons in their fields of interest. The information session consists of a group presentation and discussion about the University of Richmond and is led by an admission officer. When the University is in session, student-conducted campus tours usually follow each information session. The campus visit is encouraged because it provides an opportunity for the prospective student to learn about the University, have questions answered, and see the campus.

Plans to visit the campus may be made by calling the Office of Admission, (804) 289-8640 or (800) 700-1662, or by visiting our Web site at [www.richmond.edu](http://www.richmond.edu).

While individual interviews are not required for admission, they may be available during your campus visit or with a Richmond graduate in your home city. Visit [www.richmond.edu](http://www.richmond.edu) for more information.

During the candidate evaluation process in January, February, and March, schedules are abbreviated and times vary.

### Admission Requirements

Candidates for admission must have completed a minimum of 16 units of secondary school work. Minimum requirements include four units in English, three in college preparatory mathematics (including Algebra I, II, and Geometry), and at least two each in history, laboratory science, and foreign language (two units of the same language, not including American Sign Language, which will not satisfy the requirement for foreign language). Competitive candidates for admission typically exceed the minimum requirements and have taken three to four units in science, history, and foreign language at the highest levels available in their school setting.

The applicant must have the secondary school send an official transcript of work completed, courses in progress, and the school's recommendation. Students who have taken work at or under the auspices of a college or university must provide a statement describing the work and an official transcript from the college or university must be sent directly to the Office of Admission, University of Richmond.

First-year applicants must submit the results of either the SAT or ACT for consideration. There is not a preference for either test; instead, the evaluation of those who submit results of both will rely on whichever test is comparatively strongest.

Application for admission is made using the Common Application and a Common Application Supplement including a required essay or the Richmond Web Application. All forms are accessible from the admission Web site. The nonrefundable \$50 application fee must accompany the application for admission.

As of July 1, 2006, Virginia law requires all public and private two- and four-year institutions of higher education to electronically transmit information about applicants accepted for enrollment at each institution to the State Police for comparison to the Virginia Criminal Information Network and National Crime Information Center Convicted Sexual Offender Registry. In compliance with Virginia law, the University of Richmond will submit the requested information for all admitted students to the State Police for comparison to the registry. If the University is notified that an admitted student has committed a sex offense, the admitted student is subject to the revocation of their admission.

## ADMISSION PLANS

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### Regular Decision

The application deadline for regular decision is January 15; candidates are notified of the admission decisions around April 1.

### Early Decision

The early decision plan is designed for well-qualified students who have decided that the University of Richmond is their clear first choice. Two plans are available. Fall early decision has a deadline of November 15. Winter early decision has a deadline of January 15. The applicant must file (prior to the deadline) an application form, an official copy of

the academic record through the junior year, first marking period grades from the senior year, and the required standardized test scores. Candidates will be notified around December 15 for fall early decision and February 15 for winter early decision.

Accepted candidates must submit the required nonrefundable deposit to confirm their admission to the University of Richmond. Deferred candidates' applications will be reconsidered under the regular admission plan. In some cases, early decision applicants may be denied admission as well. Further information may be obtained from the Office of Admission.

### Early Admission

The early admission program provides for the admission of exceptional students who have completed their secondary school experience in three years, prior to their college matriculation. Additionally, appropriate candidates must possess unusually strong college preparation, as demonstrated through a challenging and rigorous course of study, while presenting required standardized test scores of a highly competitive nature. The student is required to have an interview with an admission officer in person or by telephone and submit a letter from the secondary school counselor endorsing the student's early admission application.

## TRANSFER ADMISSION

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A student who wishes to transfer from another college or university may apply for transfer admission. A student must have completed a minimum of 6.82 units of transferable credit prior to enrollment at the University of Richmond. The transfer credit must have been earned at an institution regionally accredited at the time the work was completed. Transfer candidates must possess a minimum grade point average of 2.0 to be eligible for review. Competitive candidates will have well above this minimum requirement. Interested students may wish to visit the campus and talk with an admission officer; however, a personal interview is not a part of the admission decision. In order to receive a degree from the University of Richmond, a student must complete at least 17.5 units at the University, including the work of the senior year.

The deadline to submit a transfer application for fall enrollment is February 15 (priority) or April 15

(space available); the spring enrollment deadline is November 1. The applicant must file an application form, pay the nonrefundable application fee, and have secondary school and college transcripts forwarded directly to the Office of Admission. Students must have left their previous institution in good standing or having been honorably dismissed.

Credit for work completed at another college or university will be subject to the following conditions:

- courses must be a part of the University of Richmond curriculum and at the level of courses taught at the University of Richmond
- the grade received must be the equivalent of C (2.0) or better
- the decisions of credit transfer and application toward degree requirements are made by the Office of the University Registrar in consultation with the appropriate academic department

Credit for all courses is regarded as provisional at the time of the applicant's admission and is not considered final until the satisfactory completion of one semester's work at the University.

## **INTERNATIONAL ADMISSION**

The University of Richmond encourages international students with diverse cultural heritages and multicultural experiences to apply to the University as both first-year and transfer students.

First-year applicants must complete an academic secondary program which would prepare one for entrance to universities in the country of residence. Secondary study (grades 9, 10, 11, and 12) should include at minimum three or four years of coursework in the native language (or second language), mathematics, social sciences, laboratory sciences, and English language. Refer to the Admission Requirements section.

A student may apply as a transfer candidate after successfully completing at least one year of full-time study at a recognized academic university in the United States or abroad. Refer to the Transfer Admission section above.

In addition to test requirements described in Admission Requirements above, all nonnative English speakers must submit results for Test of English as a Foreign Language (TOEFL). The University expects

nonnative English speakers to possess strong analytical and rhetorical writing skills and highly developed oral communication proficiency in English. Because the University offers only short-term, advanced English as a Second Language (ESL) study during summer and the academic year, applicants must demonstrate English proficiency prior to enrolling. Consideration will be given to candidates with the following minimum scores on the various versions of the TOEFL: 550 on the paper TOEFL, 213 on the computer-based TOEFL, or 80 on the Internet-based TOEFL.

## **HOME-SCHOOLED STUDENTS**

Students who have been educated in a nontraditional secondary school setting are welcome to apply for admission. In addition to submitting a complete admission application, home-schooled students are required to complete or submit the following items:

1. Standardized testing requirement as defined under Admission Requirements. In addition, students are strongly urged to submit SAT Subject Tests in the subject areas of history and natural science.
2. Participate in an interview conducted by one of the University's admission officers. The interview is required for students who spend 50 percent or more of their secondary school experience in a home school setting or are graduating from a home-school environment. These interviews are conducted in person or over the phone by appointment.
3. Submit a narrative description of the home-school environment, such as parental instruction, community teaching, etc. Additional items that could be included are syllabi for all courses taken and a list of the textbooks used.
4. Optional letters of recommendation, preferably from individuals who have had academic contact with the student, can be submitted.

## **THE ROBINS SCHOOL OF BUSINESS**

The Robins School of Business provides a professional education for students who wish to prepare for the challenges of a complex and international business world. This personalized education is offered primar-

ily during the third and fourth years of college study. After one year in the School of Arts and Sciences, students may declare their major in accounting, business administration, or economics. At the time of declaration, a student will be assigned an academic advisor who teaches in the area in which the student intends to major. In anticipation of the junior and senior years, planning should begin in the first year to meet the University's general education and business prerequisite courses.

## JEPSON SCHOOL OF LEADERSHIP STUDIES

The Jepson School of Leadership Studies uses multiple disciplinary lenses to educate students for and about leadership: economics, history, literature, philosophy, politics, psychology, and religion. In so doing, the school provides students with conceptual tools that support the exercise of leadership in a variety of settings. Curriculum goals are achieved through courses such as Foundations of Leadership Studies, the gateway to the academic program, and

Leadership Ethics, the capstone course for the major and minor. The Foundations course is designed to introduce students to the intellectual and historical foundations of leadership, so it is also appropriate for non majors. Required courses such as Critical Thinking, Group Dynamics, and Theories and Models reflect the Jepson School's commitment to studying leadership across disciplines. Courses with experiential components — for example, Justice and Civil Society and the internship — help students understand how to use knowledge gained through coursework in the world outside the classroom. Students also have the opportunity to study international leadership and pursue independent research, including a senior thesis or senior honors thesis.

Students interested in the major or minor must apply and be selected by the Jepson School of Leadership Studies. Students must submit a formal application in the fall after completing the first academic year of study at Richmond or another accredited college or university. The decision concerning admission to the major or minor rests with the Jepson School of Leadership Studies Student Affairs Committee.

## Financial Affairs

### Fees: 2008-09 Schedule

|   | Semester   | Year     |
|---|------------|----------|
| <b>General Fee</b>  |            |          |
| for all students  | \$19,425   | \$38,850 |
| over 5.5 units or fewer than 3.5 units: .25 unit rate   | \$1,697.50 | —        |
| <b>Housing (per student)</b>  |            |          |
| Single (add \$100 per semester for private bath)  | \$2,030    | \$4,060  |
| Double (add \$50 per semester for private path)   | 1,840      | 3,680    |
| Triple, Quad (add \$50 per semester for private bath)   | 1,832      | 3,664    |
| Lora Robins Court and Dennis Hall (single)  | 2,080      | 4,160    |
| Lora Robins Court and Dennis Hall (double)  | 1,890      | 3,780    |
| Lakeview and Freeman Hall (single)  | 2,175      | 4,350    |
| University Forest Apartments  | 2,095      | 4,190    |
| (Local telephone service, and basic cable television provided<br>in all residential housing along with unlimited use of residential laundry machines) |            |          |



**Meal Plans**

|  |         |         |
|--|---------|---------|
| Spider Extreme (175 block meals<br>with 800 dining dollars per semester)   | \$2,725 | \$5,450 |
| Spider Deluxe (17 meals per week with<br>325 dining dollars per semester)  | 2,585   | 5,170   |
| Spider Premium (19 meals per week<br>with 150 dining dollars per semester) | 2,260   | 4,520   |
| Spider Flex (50 block meals<br>with 800 dining dollars per semester)       | 1,290   | 2,580   |
| Spider Blue (570 dining dollars per semester (commuter students))          | 570     | 1,140   |

**Special Fees**

|   |       |       |
|---|-------|-------|
| Applied Music - per course, non majors only, individual instruction | \$450 | —     |
| ID card replacement: each occurrence                                | 20    |       |
| Graduation fee  | 40    |       |
| Campus vehicle permit (spring semester only: \$50)                  |       | \$100 |
| Registration, change (add/drop): per transaction                    | 10    |       |
| Registration, late (payable before matriculation)                   | 60    |       |
| Late payment fees will be assessed up to:                           | 70    |       |
| Non-UR Study Abroad Fee   | 1,500 |       |

**Optional Fees**

|   |    |     |
|---|----|-----|
| Student Health Service-medical fee (for non residential students) | 90 | 180 |
|---|----|-----|

*(Semester fees are based on a single-semester contract; year fees are based on a full-year contract.)*

- Textbooks cost approximately \$500 per semester; supplies, transportation, and sundries are extra costs.
- Meal plan selection automatically rolls from the previous semester unless the student initiates a change by the given due dates. Late change fee will apply. Please contact One-Card Services at (804) 289-8476 or view their Web site for details on meal plans and policy at [oncampus.richmond.edu/student/life/one-card/](http://oncampus.richmond.edu/student/life/one-card/). All undergraduates living in a residence hall must choose from either the Spider Premium or Spider Deluxe meal plans. Seniors and juniors in the residence halls may also elect to upgrade to the Spider Extreme. Students in UFA may choose from the Spider Premium, Deluxe, Extreme, or Spider Flex. Spider Blue is for non-campus students only. Meals and dining dollars expire each semester and are non-refundable. Scholarship athletes may be required to participate in the Spider Premium plan.
- Please consult Motorized Vehicles, Student Health Center, Residence Life, Food, and Auxiliary Services, for further information.
- Regardless of the academic school in which a course is taken, the student pays the tuition and fees of the school to which he or she has been admitted and which is considered the school of record. Any special fee associated with a particular course, such as a laboratory fee, is charged based on registration in the course.
- The University reserves the right to increase the fees listed herein and the charges for room and board if conditions should make such changes necessary or advisable. The changes will be announced as far in advance as feasible.
- The University is not liable for students' personal property. Students or parents should verify that their homeowner's insurance will cover their personal property on campus.
- **Fees and charges will increase for the 2009-2010 school year and will be announced as soon as possible.**

## PAYMENTS

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Inquiries concerning payments should be directed to the Office of the Bursar, phone (804) 289-8147 or toll-free (866) 241-8893, or e-mail [bursar@richmond.edu](mailto:bursar@richmond.edu).

Fees are electronically billed and are payable in advance, by the semester. The fall semester payment is due by the first Monday in August, and the spring semester payment is due by the first Monday in December. To avoid incurring a late payment fee and delays in housing, registration, and other areas, individuals are urged to pay fees when due.

Students will receive a monthly e-mail notification to their University e-mail address with the subject line "University of Richmond student account bill" with a link to QuikPAY. The student's University ID number is used for authentication. Students can also access their account through BannerWeb. Upon login, students can view their bill, set up and store bank account or credit card information, set up authorized payers, pay the bill electronically, and print paper copies.

People other than the student may have the ability to view the bill as an authorized payer. Each billing cycle, both the student and the authorized payers will receive an e-mail notifying them that the e-Bill has been sent. Students and authorized payers receive a link in the e-mail that takes them directly to the QuikPAY login page. Authorized payers may also access the page at [quikpayasp.com/richmond/student-tuitionaccount/authorized.do](http://quikpayasp.com/richmond/student-tuitionaccount/authorized.do).

e-Payment is an optional feature. Checking and savings account information from a bank within the United States can be entered at the QuikPAY Web site, and payments will be transferred electronically to the University of Richmond. You will have the option to have the site retain your bank account information, or you may enter it each time you make an e-Payment.

Authorized payers will only be able to view their own payment and bank information. Each authorized payer is assigned a separate PIN for added security and privacy.

Paying electronically is the preferred bill payment method, but it is optional. You may send a payment by mail or in person at the Cashier's Office in Sarah Brunet Hall. To send a check or money order through the mail to our payment processing center, please print a copy of the PDF bill, detach

the bottom portion of the statement and mail with the payment (payable to the University of Richmond with your University ID number printed clearly on the check) to:

***University of Richmond***  
***PO Box 791356***  
***Baltimore, MD 21279-1356***

Satisfactory financial arrangements for room and board must be made before occupancy.

No credit is given for a term's work or for a degree conferred until all charges have been satisfactorily settled. Failure to make satisfactory financial arrangements can result in delay of graduation, denial of registration privileges, removal from classes, and/or the withholding of transcripts.

If the University deems it necessary to engage the services of a collection agency or attorney to collect or to settle any dispute in connection with an unpaid balance on a student account, the student will be liable for all collection agency and/or attorney's fees, reasonable expenses, and costs incurred. Accounts referred to a collection agency are reported to a credit bureau.

Please mail all correspondence regarding your student account to:

***Bursar's Office***  
***Box R***  
***University of Richmond, Virginia 23173***

The University of Richmond accepts MasterCard, Discover and American Express via QuikPAY. Visa is not currently accepted. A vendor fee of 2.75% (of the amount charged) will be charged to your account for this service. Electronic checks also are accepted at this site.

## Deposits

Upon acceptance for admission at the University of Richmond, a \$300 general fee deposit is required, and a \$300 housing deposit is required if on-campus housing is requested.

Students planning to continue in the upcoming school year are notified around January 15 to remit the appropriate deposits: a general fee deposit of \$100, and if on-campus housing is requested, a hous-

ing deposit of \$500. These deposits are payable by the mid-February date specified in the notice.

Deposits are treated as advance payments and are nonrefundable. While a single remittance may cover both amounts, the distinction between the two deposits remains quite clear. The general fee deposit signifies an intention to attend or to continue to attend the University. The housing deposit signifies an earnest request for on-campus housing.

The University always credits the general fee deposit first. If only a single deposit amount is received by the stated deadline, regardless of any accompanying instructions, the deposit will be placed in the general fee category and the presumption made that no housing is requested.

## Deferred Payments

In recognition of the substantial interest in deferred payments, the University offers a 10-month deferred payment plan through TuitionPay by Sallie Mae. This firm represents one of several sound alternatives for financing a student's education. Information is mailed to students in April.

Many parents and students may prefer to arrange financing through their local banks or other sources, but if there is interest in this plan, further information is available at (800) 635-0120, by e-mail at [info@amsweb.com](mailto:info@amsweb.com), or by visiting [www.tuitionpay.com/urich](http://www.tuitionpay.com/urich).

Students are urged to complete whatever arrangements they choose early, so that their accounts with the University may be settled in a timely manner.

## Late Payment Fee

A late payment fee will be assessed on any unpaid balance. Students who fail to make satisfactory arrangements for their semester fees by the close of the business on the first day of the term will be charged a late payment fee of up to \$70.

## Late Registration

A late registration fee of \$60 will be charged to any student who fails to complete registration for any semester by the close of business on the day before the first day of the term.

## Tuition Refund Plan

A medical withdrawal insurance plan is available through A.W.G. Dewar Inc. Information is available at (617) 774-1555 or visit [www.collegerefund.com](http://www.collegerefund.com).

## REFUNDS

Inquiries concerning credit balances on student's accounts should be directed to the Office of the Bursar, (804) 289-8147 or toll free (866) 241-8893.

## UNIVERSITY OF RICHMOND REFUND POLICY

### Advance Deposits - Returning and Readmitted Students

General Fee Deposit - Nonrefundable.

Housing Deposit - Nonrefundable once a room has been selected or assigned.

### Advance Deposits - First-Time Students

If the accepted applicant fails to matriculate, no refund of advance deposits.

If the accepted applicant matriculates and therefore becomes a student: general fee deposit and housing deposits are refundable in accordance with the University Refund Policy.

### General Fee, Room and Board Refund

Inquiries concerning refunds should be directed to the Office of the Bursar, (804) 289-8147 or toll free (866) 241-8893.

Students are matriculated by semester. If a student withdraws from classes or is dropped from the University for whatever cause, a refund of fees for a fall or spring semester shall be made in accordance with the University's Refund Policy, based on the schedule below. This schedule is adapted for summer terms.

Students who withdraw from the University and who are receiving any financial assistance may be required to return such assistance per Public Law 668.22 and institutional policy. The University of Richmond complies with all federal regulations governing recipients of federal Title IV funds. Information regarding financial aid refund policies is available in the Office of Financial Aid.

*Any special fee associated with a particular course is nonrefundable after the first day of class.*

|  | <b>Tuition, fees and room refund</b> | <b>Board refund</b>               |
|--|--------------------------------------|-----------------------------------|
| Withdrawal on or before the first day of class | 100% less deposits                   | Prorated on a daily basis         |
| Withdrawal during the first week of classes    | 85%                                  | through the sixth week of classes |
| Withdrawal during the second week of classes   | 70%                                  | classes                           |
| Withdrawal during the third week of classes    | 50%                                  |                                   |
| Withdrawal during the fourth week of classes   | 25%                                  |                                   |
| Withdrawal during the fifth week of classes    | 25%                                  |                                   |
| Withdrawal during the sixth week of classes    | 25%                                  |                                   |
| Withdrawal after the sixth week of classes     | None                                 |                                   |

## APPEALS PROCESS

The University of Richmond has an appeals process for students and parents who believe individual circumstances warrant exceptions from published policy. All appeals must be in writing and directed to Annemarie Weitzel, Bursar, Box R, University of Richmond, VA 23173 or [bursar@richmond.edu](mailto:bursar@richmond.edu)

## FINANCIAL AID

The financial aid program at the University of Richmond provides need-based grants, loans and service and work opportunities, and it also awards merit scholarships. Applicants for financial aid must be enrolled or accepted for enrollment in a degree program at the University and, for most types of aid, must be working toward their first bachelor's or master's degree. The need-based aid programs are designed for those families who are unable to pay the full cost of a college education. For domestic undergraduate students who apply and qualify for need-based aid, we will provide a financial aid package that meets 100 percent of a student's demonstrated eligibility for need-based aid. The merit-based scholarships are provided in recognition and support of noteworthy academic achievement. These merit-based scholarships are generally awarded independently of any assessment of need, although it is possible to qualify for a combination of need- and merit-based aid.

Applicants for need-based financial aid must complete both the Free Application for Federal Student Aid (FAFSA) and the University of Richmond's Financial Aid Supplemental Application. Prospective first year students should submit the completed FAFSA by the deadline date of February 15. The

deadline for transfer student financial aid applications is the same date as the admission application deadline. Generally, to be considered for need-based aid, an applicant must be a U.S. citizen or permanent resident, must be enrolled or accepted for enrollment on at least a half-time basis in a degree or certificate program, and must demonstrate financial need. Once aid is offered it is generally renewed in subsequent years if the family's financial situation stays the same. A new financial aid application must be filed each year, and the student must meet certain standards of satisfactory academic progress as outlined below.

The deadline for financial aid applications for returning students is May 15.

Students who are eligible for need-based aid, who are enrolled full time, and who meet the application deadline are offered a financial aid package that fully meets their demonstrated need. Part-time students may be considered for loans and the Federal Pell Grant.

There are a number of merit-based scholarship programs, some of which have value up to full tuition plus room and board. In most cases, students are selected from the pool of applicants for admission. However, some programs have separate applications or unique deadlines. Call the Office of Admission at (800) 700-1662 or (804) 289-8640, or e-mail [scholaroffice@richmond.edu](mailto:scholaroffice@richmond.edu) with questions.

The Virginia Tuition Assistance Grant is for full-time students who are residents of Virginia. In 2007-08 grants were awarded in the amount of \$3,200. Applications are sent from the Office of Admission to students who are accepted to the University. The deadline is July 31.

Financial aid awards made for an academic year may be used for study abroad if the student enrolls at one of the universities with which the University of

Richmond has a direct exchange agreement. Financial aid for enrollment in approved non-Richmond programs is limited to loans and federal grants.

### Satisfactory Academic Progress Policy

To receive assistance from any of the need-based financial aid programs at the University of Richmond, from federal loan programs, or from most private loan programs, students must maintain Satisfactory Academic Progress (SAP) toward the completion of their degree or certificate requirements. An evaluation of progress is made at the end of each academic year, including an analysis of earned credits and grade point average. All periods of attendance will be included in the evaluation regardless of whether the student received financial aid and including enrollment at schools other than the University of Richmond. Students not making satisfactory academic progress will be ineligible for further financial assistance until the deficit is made up. Waivers of these requirements may be granted for special circumstances upon appeal to the Director of Financial Aid.

The standards of academic progress outlined here are solely for the purpose of evaluating eligibility to continue receiving financial aid as defined above. They do not replace or modify academic standards required for continued enrollment at the University of Richmond. The effect of incomplete coursework, withdrawals, and course repetitions impact SAP in the following ways:

- Incomplete coursework is not included in GPA or in number of credits earned but is counted as attempted credit.
- Courses from which a student withdraws are not included in GPA or in number of credits earned but are counted as attempted credit.
- Repeated courses are counted only one time as earned credits. However, credits for each course taken, including all repeated courses, are counted as attempted credit. Both grades will be calculated in the cumulative grade point average.

Undergraduate arts and sciences, business and leadership studies students must meet the following minimum standards:

| At the End of the Semester | Credit Earned | Grade Point Average |
|----------------------------|---------------|---------------------|
| 2                          | 6.86          | 1.50                |
| 4                          | 13.71         | 1.70                |
| 6                          | 20.57         | 1.85                |
| 8                          | 27.43         | 2.00                |
| 10                         | 35.00*        | 2.00                |

Undergraduate students are not eligible for financial aid after ten semesters, including enrollment at schools other than the University of Richmond.

\*34.29 units for students who entered Richmond prior to Fall 2008.

### Return of Financial Aid When A Student Withdraws

A student who withdraws during a semester may be entitled to a refund of certain charges as outlined in the Refund Policy (see Financial Affairs section).

Withdrawal also may affect a student's financial aid eligibility for the semester as outlined in the Federal Return of Title IV Program Funds Policy and the Return of Non-Title IV Program Funds Policy.

### Return of Title IV Program Funds Policy

The 1998 amendments to the Higher Education Act (HEA) of 1965 and subsequent regulations issued by the Department of Education (43 CFR 668.22) establish a policy for the return of Title IV grant and loan funds for a student who withdraws. Title IV grant and loan funds include the following programs: Federal Direct Loans, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Academic Competitiveness Grant, National SMART Grant, LEAP funds, Federal Perkins Loan, Federal Work-Study, Federal Stafford Loans and Federal PLUS Loans.

The amount of Title IV funds the student earns up to the withdrawal date is based on a daily proration determined by dividing the total number of calendar days completed by the total number of calendar days in the semester (excluding breaks of five or more consecutive days). Adjustments must only be made up to and including the 60 percent point in time for the semester. After the 60 percent point in time, the student is considered to have earned all of the Title IV funds awarded for that semester.

Unearned Title IV funds must be returned to the Title IV programs. If the amount earned is greater than the amount that has been disbursed, the difference is treated as a late disbursement to the student. Unearned funds up to the amount of total institutional charges (tuition plus room and board) multiplied by the unearned percentage of funds are returned to the Title IV programs by the University of Richmond. The student must return any portion of unearned funds not returned by the school. For grants, regulations limit the amount a student must repay to the amount by which the original overpayment amount exceeds 50 percent of the total grant funds received by the student. Title IV loan funds that must be returned by the student are repaid per the loan terms. Unearned Title IV funds are returned to the Title IV programs in the following order: Unsubsidized Federal Stafford Loans, Subsidized Federal Stafford Loans, Unsubsidized Direct Stafford Loans, Subsidized Direct Stafford Loans, Perkins Loans, Federal PLUS Loans, Direct PLUS Loans, Federal Pell Grants for which a return of funds is required, Academic Competitiveness Grants for which a return of funds is required, National SMART Grant for which a return of funds is required, and Federal Supplemental Educational Opportunity Grants for which a return of funds is required.

## Return of Non-Title IV Program Funds Policy

Non-Title IV financial aid will be adjusted for a withdrawing student based upon the University's Refund Policy. Adjustments will be made through the sixth week of classes. The amount to be returned to the non-Title IV financial aid program is the same percentage that will be refunded to the student for tuition and room charges. After the sixth week, the student is considered to have earned all of the non-Title IV aid. Non-Title IV financial aid funds are returned in the following order: institutional grants/scholarships, non federal loans, agency scholarships.

Students who are receiving financial aid and who are planning to withdraw from the University during a semester are strongly encouraged to meet with a financial aid advisor to review the impact that their withdrawal will have on their institutional charges and on their financial aid for the semester.

For further information about the various financial aid programs, contact the Office of Financial Aid at (804) 289-8438 or e-mail [finaid@richmond.edu](mailto:finaid@richmond.edu) with questions about need-based aid, or check our Web site at [financialaid.richmond.edu](http://financialaid.richmond.edu).

## Student Life

The University of Richmond, through the Office of Student Development, provides a variety of cocurricular and extracurricular programs and student-support services. These are designed to enrich the quality of the collegiate experience by creating an environment in which the student can grow intellectually, emotionally, physically, socially, and spiritually. The ultimate purpose of this environment is to help each student fulfill his or her potential.

The deans' offices for Richmond College and Westhampton College, the University's coordinate colleges, are focal points in student life matters. For the University, the offices are centers for closely knit smaller communities within the whole.

On a more personal level, a student may find the dean or staff member serving as a counselor, advisor, mentor, or collaborator. If questions remain af-

ter reading the Student Life section of this catalog, a dean's office usually can provide a more complete explanation or indicate where more information may be found. In all cases, the deans' offices are contact points to provide assistance. Each student is encouraged to make full use of these excellent resources.

## ARTS AND CULTURAL EVENTS

The Modlin Center for the Arts presents more than 35 world-class performing arts events as part of the Modlin Great Performances Series, four main-stage productions presented by the University Players and Dancers, and another 22 music performances as part of the Department of Music's annual free concert series. Located throughout campus, University Museums presents more than 20 exhibitions of national

and international art and artifacts as well as student work. In addition to arts events, the Jepson School of Leadership Studies, the WILL program, and many academic departments sponsor lecture series.

## ACTIVITIES

Because co-curricular activities are an important part of the campus experience, the University provides a broad range of events and opportunities to challenge student interests. The University offers opportunities for leadership and community service as well as for cultural, recreational, social, and spiritual interests. These activities, combined with academic pursuits, contribute to the formation of the well-rounded individual.

## HOUSING AND RESIDENCE LIFE

On-campus housing for undergraduate students may be requested by contacting the Office of Undergraduate Student Housing. The University attempts to provide on-campus housing for full-time students who wish to be accommodated. No student is required to live on campus, and some choose to reside off campus in private homes or apartments. The University does not provide married student housing.

Residence hall rooms are available in several styles, including singles, doubles, triples, quads, and suites. Apartments are available for some upper-class students. First-year students are housed in traditional residence halls, which are primarily double rooms. Most residence halls have lounges and laundry areas.

Room reservation procedures are made available at appropriate times during the school year. In general, continuing students request rooms and roommates according to the procedures established by the Office of Undergraduate Student Housing. Incoming students complete a questionnaire. Using expressed lifestyle, mutual interests, and other criteria, the Office of Undergraduate Student Housing assigns rooms and roommates.

General supervision of the residence halls is provided by professional staff who are assisted by specially trained upper-class students. University policy is the framework under which all campus residences are governed.

Numerous educational and social programs are planned for residents by the residence life staffs of the colleges, the Residence Hall Association and the

President's College Associates. These programs make the residence halls and apartments into living and learning environments that promote a sense of community and personal growth.

## General Conditions

The Unified Agreement sets forth the specific terms and conditions applicable to residence hall rentals, meal plans, telecom services, and data services. Each student approved for housing receives an electronic copy of the Unified Agreement, which details the services provided to students, in conjunction with the room reservation procedures. Detailed information regarding residence life and housing is available in the college handbooks.

## UNIVERSITY POLICE

The University of Richmond Police Department, a nationally accredited police department, is committed to providing a safe and secure environment for our students, faculty, staff, and visitors. The University of Richmond Police Department provides 24-hour uniformed response to calls for service, provides routine and directed patrol activities, performs vehicular crash investigation, and investigates criminal offenses. Additionally, all police officers are Red Cross First Responder/CPR-certified. Uniformed security officers also assist with building security and other calls for service as needed. All crimes that occur on campus should be reported to the University Police in person or by calling 911, (804) 289-8911 or (804) 289-8715. More information about the police department, including crime statistics, can be found online at [oncampus.richmond.edu/administration/police/](http://oncampus.richmond.edu/administration/police/).

## Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act

The University of Richmond is committed to assisting all members of the University community in providing for their own safety and security. The annual security compliance document is available on the University of Richmond Web site at [www.richmond.edu/administration/police](http://www.richmond.edu/administration/police). If you would like to receive a copy of the security report, which contains this information, you can stop by the University Police Department at Special Programs Building, #31 UR Drive, University of Richmond, VA 23173, or

you can request that a copy be mailed to you by calling (804) 289-8722.

The Web site and booklet contain information regarding campus security and personal safety including topics such as crime prevention, University police law enforcement authority, crime reporting polices, disciplinary procedures and other matters of importance related to security on campus. They also contain information about crime statistics for the three previous calendar years concerning reported crimes that occurred on campus, in certain off-campus buildings or property owned or controlled by University of Richmond, and on public property within or immediately adjacent to and accessible from the campus.

This information is required by law and is provided by the University of Richmond Police Department.

## **Parking Services**

The parking and traffic regulations of the University of Richmond are designed to best maintain an orderly flow of traffic on campus and to best use the existing parking facilities. To accomplish these goals, it is necessary for all motor vehicles, including motorcycles, golf carts, and mopeds owned or operated by faculty, staff, or students to be registered with Parking Services on an annual basis. All vehicles registered and operated on campus must be properly licensed and inspected for mechanical condition in accordance with the laws of the state in which the vehicle is registered for operation. All persons operating a vehicle on University grounds must possess a valid operator's license. Rules, regulations, and vehicle registration information can be found on the Parking Services Web site at [richmond.edu/administration/police/parking](http://richmond.edu/administration/police/parking). Parking lots are lighted and patrolled by the University Police Department.

## **POLICIES**

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The University of Richmond is governed by policy statements that guide individual members in their actions toward each other and toward the larger community. These policy statements support the University's educational mission while seeking to ensure that both individual and group rights are appropriately observed and maintained.

## **University Academic Honor Code Statute**

The School of Arts and Sciences, the Jepson School of Leadership Studies, and the Robins School of Business each operate under the University Honor Code Statute. Cheating, plagiarism, lying, academic theft, disclosing honor council information, registration irregularity, and failure to report an Honor Code Statute violation are all considered breaches of the code. Any person who violates these standards shall be subject to disciplinary action ranging from reprimand up to and including expulsion from the University. Guilt or innocence will be determined and sanctions imposed, when necessary, according to established procedures, with procedural fairness observed and with appropriate appeal procedures available. The University Honor Code Statute is available from any dean's office.

## **University of Richmond Honor Councils**

The University of Richmond Honor Councils provide information about the Honor System to new students and instruct them as to its meaning and operation. During new student orientation, students are given information about the honor system. Each student is required to pass a test to demonstrate an adequate knowledge of the honor system. The University of Richmond Honor Councils' policies and procedures are described in greater detail in the University's Undergraduate Student Handbook and online at [student.richmond.edu/~urhc/](http://student.richmond.edu/~urhc/).

## **Standards of Conduct**

The University of Richmond considers cultivation of self-discipline and resolution of issues through process of reason to be of primary importance in the educational process and essential to the development of responsible citizens. All members of the University community have a responsibility to comply with local, state, and federal laws and with all published University policies and regulations. In a community of learning, individual or group conduct that is unlawful disrupts or interferes with the educational processes, causes destruction of property, or otherwise infringes upon the rights of others or of the University itself cannot be tolerated.

The trustees of the University of Richmond have authorized a policy statement on standards of conduct, penalties, and disciplinary procedures to guide



the conduct of students and their guests. This statement sets forth those standards of conduct that the University of Richmond deems essential for fulfilling its educational mission. Any person who violates the standards of conduct and regulations of the University of Richmond shall be subject to disciplinary action and, if need be, legal action. Disciplinary action may range from reprimand/disciplinary warning up to and including dismissal or expulsion from the University. Sanctions will be imposed after proper determination has been made in accordance with established disciplinary procedures of the University, with fair procedures observed and with appropriate appeal procedures available, as outlined in the policy statement and any approved revisions thereof.

A copy of this policy statement and/or any officially approved revisions thereof is readily available in the residential college handbooks for each student who matriculates. All members of the University community should familiarize themselves with this policy statement and revisions and with any other official publications, handbooks, or announcements issued on occasion by the University of Richmond or by individual colleges and schools of the University.

### **Right of Privacy**

Student academic and personnel records are administered under the procedures and requirements of the Family Educational Rights and Privacy Act of 1974 (P.L. 93-380), as amended. This act generally prohibits the unauthorized release of confidential information about individual students; however, directory information usually may be released. For more information, see Confidentiality or contact the Office of the University Registrar, located in Sarah Brunet Memorial Hall.

### **Alcoholic Beverages and Other Drugs**

The legal age for the consumption and possession of beverage alcohol is 21 in the Commonwealth of Virginia; the law governs all sites within the Commonwealth and all persons including temporary visitors from other places. The University supports the laws of the Commonwealth and has policies to educate and regulate its campus constituencies regarding the consumption of alcohol. Similarly, statutes as well as University policies prohibit the possession, distribution, sale, or use of illegal drugs or narcotics, including marijuana and hallucinogens. Moreover, each person is responsible for his or her destructive,

obstructive, or otherwise inappropriate behavior, whether under the influence of any substance or not. Persons in violation of the law are subject to prosecution by law enforcement agencies as well as disciplinary proceedings by the University.

### **Official University Communications**

The University of Richmond uses e-mail as an official means of communication within the University. Examples include notification of financial aid, tuition bills, academic or disciplinary action, instructor feedback, and correspondence from University offices. Students are required to activate their @richmond.edu e-mail account and to check it regularly. Students are responsible for reading the content of University communications sent to their email account. If students choose to forward their University e-mails to an external e-mail provider, they are responsible for ensuring that the external e-mail account remains active.

## **STUDENT LIFE SERVICES**

### **Career Development Center**

The Career Development Center (CDC), located on the ground level of Richmond Hall, recognizes and values diverse backgrounds and experiences, develops innovative approaches to connect students' academic and career goals, identifies and promotes opportunities, and facilitates a network of partnerships. The CDC provides comprehensive career services for students, based on the belief that career decision-making is a lifelong process integral to the University's educational objectives.

Career counselors provide individualized career counseling and help students develop systematic approaches to internship, job, or graduate school searches. Students have access to online assessment instruments to assist them in career decision-making. Programs, which often feature alumni and area employers, are presented throughout the year on job search strategies, mock interviews, connections between careers and majors, internships, transitions from student to work life, and other relevant topics. Career counselors also take students off campus to meet employers in various industries across the country.

The CDC houses a career resource library that contains a variety of print and multimedia materials. Using resources accessible through the CDC's Web

site, students can access a flash presentation on all the services available to students, complete graduate and professional school catalogs, full-time job vacancies, and more than 5,000 internship listings on the award-winning Internship Exchange (UCAN). SpiderConnect allows students to sign up for on-campus recruiting events, search for job listings, and to upload their résumés for referrals to employers and internship sponsors. Students should visit the CDC Web site ([cdc.richmond.edu](http://cdc.richmond.edu)) to view all available resources. A calendar of upcoming events is available in SpiderConnect.

The CDC also sponsors a number of career events throughout the year, including Major Questions, Major Answers; the Richmond Career Fair; the Government and Non-Profit Career EXPO; an externship program (shadowing of alumni); and Metrolink, an off-campus interviewing event held in New York City and Washington, D.C. The CDC also serves in an advisor capacity to the student program The Real World. In addition, more than 100 organizations visit campus each year to identify candidates for full-time jobs and internships.

Students are encouraged to visit the CDC in their first year to meet with a counselor to plan career development strategies. The CDC's vision is to partner with students to explore their passions, navigate challenges, and achieve their success.

## **Counseling and Psychological Services**

Counseling and Psychological Services (CAPS) is staffed by counseling and clinical psychologists who are prepared to help students meet academic, personal, or emotional challenges while they are enrolled at the University. Services include short-term counseling and psychotherapy, assessment, crisis intervention, psychoeducational presentations, individual consultations, and referral services. CAPS services are free of charge and are confidential to the full extent allowed by law. CAPS is located at 201 Richmond Hall and is open from mid-August to mid-June, Monday-Friday 8:30-noon and 1-5 p.m. Contact CAPS at (804) 289-8119 or [caps@richmond.edu](mailto:caps@richmond.edu). Visit the CAPS Web site ([oncampus.richmond.edu/caps](http://oncampus.richmond.edu/caps)) for more information about CAPS services, links to anonymous online screening surveys, and a variety of other mental health information. CAPS is accredited by the International Association of Counseling Services, Inc.

## **Center for Civic Engagement**

The Center for Civic Engagement (CCE) provides intellectual, experiential and physical space for the coordination of community-based learning efforts in the Greater Richmond community. Through a rich array of programs that incorporate active service, study, research and reflection, the CCE aims to help students, faculty and community members work together to understand the factors that contribute to local, national and global social and civic problems. Located in Tyler Haynes Commons, the CCE generates significant public conversations, original insights, and practical efforts toward the improvement of social conditions in Richmond and beyond.

## **Office of Common Ground**

The Office of Common Ground works to support the University's commitment to inclusive diversity in a number of ways, including workshop planning and provision, programming that encourages analysis and understanding of differences, and partnering with student organizations, University departments, and units to support activities that promote inclusive community. Common Ground also offers confidential consultation on issues relating to diversity for students, staff, and faculty; serves as the access point for senior administration regarding diversity issues; and provides resources for information regarding diversity, organizational, cultural, and social change, including issues of race, gender, sexual orientation, ethnicity, social class, ability, and others.

## **Disability Accommodations**

The University seeks to comply with all applicable federal, state, and local laws regarding the rights of individuals with disabilities. To facilitate such compliance, the vice president for student development serves as the University's disability coordinator. The University does not discriminate on the basis of disability in admission. Therefore, applicants are not required to provide information about their physical condition or disability status prior to admission. Individuals with disabilities are invited to contact the disability coordinator regarding any accommodations they may require in visiting the campus or upon matriculation. The University provides reasonable adjustments or accommodations in its academic programs as necessary for equal opportunity and participation for qualified students with disabilities.

## International Students and Study Abroad

The Office of International Education, located in Pur-year Hall, serves all students, undergraduate and graduate, in arts and sciences, business, leadership studies, continuing studies, and law. It offers advising on opportunities and procedures for study, internships, and work abroad; a wide variety of services for international students such as orientation, visas, work, health insurance, and taxes; and a broad range of cultural and social activities focused on cultures and countries around the world as well as cross-cultural issues.

## Multicultural Affairs

The mission of the Office of Multicultural Affairs is to support the ongoing enrollment and retention of ethno-culturally and socio-culturally diverse American students and promote a campus climate that celebrates diversity. Working in collaboration with a variety of other offices and departments campus-wide, the Office of Multicultural Affairs develops, implements, and advocates for programs that are designed to enhance the overall personal development and growth of University students.

## Student Health Center

The Student Health Center offers a comprehensive program in health education and health maintenance, as well as treatment for illness and injury. The health center staff includes board-certified family practice physicians and registered nurses. Services include acute care for illness and injury, general medical care, women's health, men's health, allergy shots, and immunizations. The telephone number is (804) 289-8064 and FAX is (804) 287-6466. Students and parents are encouraged to visit the Health Center's Web site for general information and timely messages: [oncampus.richmond.edu/student\\_health](http://oncampus.richmond.edu/student_health), and the Health Center can be reached by e-mail at [healthcenter@richmond.edu](mailto:healthcenter@richmond.edu).

Rather than walking in without an appointment, students are encouraged to call and speak with a registered nurse about their concerns through the Dial-A-Nurse system, which can be reached at (804) 289-8700. After evaluating the history and symptoms of the illness, the nurse will advise the most appropriate treatment. If indicated after the Dial-A-Nurse evaluation, an appointment will be made. Appointments may be made for annual gynecological

examinations, doctor-requested follow-up visits, allergy shots, immunizations, and PPD tests by calling (804) 289-8064.

Students living on campus are eligible for the services provided by the Student Health Center, as the cost of these services is included in the housing fee. Student Health Center privileges are available to off-campus students for a per-semester fee. The cost of prescription drugs, some laboratory tests, hospital emergency room treatment, hospitalization, x-rays, and referral off campus for consultation with medical specialists are not covered by any student fees. These costs will be billed separately by the provider.

The Student Health Center does not accept insurance assignments. This means that we will not bill a patient's insurance company. Any charges incurred at the time of visit will be billed through student accounts or may be paid by check, cash, or Spider Card. The patient will be provided with a medical encounter form itemizing all charges and containing all necessary information to submit for insurance reimbursement.

Information regarding hours of operation, descriptions of services, details of allergy shot procedure, billing and insurance questions, medical information, community facilities, medical referrals, and helpful links can be found on the Health Center's Web site.

Virginia law mandates that each student submit an immunization record and tuberculosis screening status prior to enrollment. In compliance with this requirement, the immunization record is included in the health history form provided to entering students and is to be returned to the Student Health Center.

All communications between student and health center staff are strictly confidential. Information will not be released from the Student Health Center without the patient's prior approval except in an emergency or by court order.

## CAMPUS ACTIVITIES BOARD

Each week, the student-run Campus Activities Board presents a diverse selection of events planned for students. Such events include, but are not limited to, bands, movies, comedians, hypnotists, and karaoke.

## Organizations

There are over 250 recognized student organizations, groups, and clubs. The list of organizations each year

reflects changes in student interests. Academically oriented groups and chapters of national honor societies comprise about a quarter of the student organizations. These organizations, such as Phi Beta Kappa for students in the arts and sciences and Beta Gamma Sigma for business students, recognize exceptional academic achievement. Other organizations provide opportunities in academic disciplines for study, research or practice beyond the classroom. Each serves to unite students who have a common academic interest.

Some organizations represent the University in the community. These include the student newspaper and literary magazine, theatre productions, performing arts ensembles, the student-operated radio station, and numerous volunteer organizations.

Religious and spiritual life, coordinated through the Office of the Chaplaincy, offer a variety of opportunities for fellowship, study, service, worship, practice, and learning in small and large group settings.

The Greek social system comprises approximately 29 percent of the full-time undergraduate men and 46 percent of the full-time undergraduate women. There are six organizations for men and eight for women; all are nationally recognized. The men's organizations have their own lodges for social and recreational purposes while the women's use existing campus facilities. However, Greek system members live among other students in the campus residence halls and eat in the central Heilman Dining Center. In addition to their social activities, these organizations historically have organized and supported a broad range of community service projects.

Special interest organizations are yet another way for students to gather with others who have similar interests. In this context an individual might want to learn or sharpen skills in, for example, skiing. If there is no club in existence that meets the common interest of several students, they may follow established procedures to form one.

## **Intercollegiate Athletics**

The University of Richmond is a proud member of the National Collegiate Athletic Association, the Atlantic 10 Conference, and the Colonial Athletic Association. All of the University's intercollegiate athletics sports are NCAA Division I, including Championship Division football. All teams participate in the Atlantic 10 Conference; the football team is a member of the Colonial Athletic Association. The intercollegiate ath-

letics program offers nine sports for men and 10 for women. The men's teams include baseball, basketball, cross country, football, golf, soccer, tennis, and track (indoor and outdoor). The women's intercollegiate athletics teams compete in basketball, cross country, field hockey, golf, lacrosse, soccer, swimming, tennis, and track (indoor and outdoor).

## **Recreation and Wellness**

The mission of the Department of Recreation and Wellness is to enhance the lives of its members by providing quality recreational and educational programs in an environment that promotes healthy lifestyles, academic productivity, and personal growth.

The Weinstein Center for Recreation and Wellness provides a comprehensive facility that includes a two-level fitness and wellness center, three-court gymnasium with an elevated walking and jogging track, two multipurpose rooms, pool, game room, and racquetball and squash courts, as well as locker room and sauna facilities. Participants will have the opportunity to experience a full range of cardio and strength equipment, in addition to a wellness resource center and computer lab. Outdoor playing fields and lighted basketball and sand volleyball courts are available for recreational use, too. Thirteen tennis courts, a 400-meter track and cross country trails are also available for recreational use when not scheduled for intramurals, intercollegiate athletics, or special events.

The fitness and wellness program offers group exercise, indoor cycling, and other fitness instructional programs throughout the day. In addition, special screenings, assessments, and services are offered to address health and wellness topics. Services often include massage therapy, personal training, cholesterol screenings, blood pressure checks, and fitness assessments.

The intramural sports program offers a wide range of major and minor sports at a variety of skill levels. More than 25 sport clubs provide student leadership opportunities as well as competitive options for students who are not part of the varsity athletic program. The Natural High and Outdoor Adventure programs offer activities and trips throughout the year, often including whitewater tubing and rafting, camping, skiing, rock climbing and hiking.

For more information about recreation and wellness programs or the Weinstein Center, please visit [oncampus.richmond.edu/student/affairs/recwell/](http://oncampus.richmond.edu/student/affairs/recwell/) or call Member Services at (804) 289-8361.

## Student Government

To as great an extent as possible, the University places the governance of students in the hands of students. The coordinate colleges and the schools of business and leadership studies each have their own elected student government association which responds to the needs and interests of its specific students. In addition, student representatives are chosen to sit and vote on certain committees of the Board of Trustees and of the faculty. Each college has its own honor council and its own judicial council composed entirely of students.

## DINING SERVICES

University of Richmond Dining Services is a multi-operation department consisting of dining locations, snack shops, and retail stores. The newly renovated E. Bruce Heilman Dining Center is a state-of-the-art facility overlooking Westhampton Lake that serves approximately 3,000 students and guests daily. A retail market is located off the main lobby. The upper level of the facility houses the Department of Food and Auxiliary Services and the campus post office.

The centrally located Tyler Haynes Commons (THC) houses Tyler's Grill, an eat-in or carry-out operation with a dining area that faces Westhampton Lake and gazebo. The campus smoothie bar, Freshens, and the Cellar, a late-night gathering space, are also located in THC. For late-night studying at Boatwright Library, gourmet coffee, hot drinks, and snacks are available at 8:15 at Boatwright. Sodas, snacks, and grocery items also are available at the Dean's Den, located in the Whitehurst building near the Richmond Dean's office.

## Meal Plans

All students living on campus, except those in University Forest Apartments, are required to participate in a meal plan. University Forest residents can waive meal plan participation, choose from any of the campus meal plans, or purchase a Spider Flex Plan of dining dollars designed for their convenience. An off-campus meal plan also is available for commuting students. Details of the various meal plan options, including the Spider Flex and off-campus plan, are available on the dining services Web site at [dining.richmond.edu](http://dining.richmond.edu).

## Meal Plan Selections and Policy of Change Requests

Students are provided the opportunity to make their meal plan selection via BannerWeb each fall and spring for the next semester. Deadlines by which this selection must be made are sent to students through a SpiderByte e-mail announcement and are posted on the dining services Web site. Once the selection is made, only one additional adjustment is permitted and must be made prior to the published deadlines, typically June 1 for the fall semester and November 1 for the spring semester. To initiate a change, the student must personally contact the One-Card Office. After the deadline, a change can be made only with the approval of the associate director of dining services and will incur a \$50.00 processing fee. A student may be permitted to move between the appropriate meal plans, but no refunds will be issued. Any decrease in charges will automatically be credited to a University One-Card account for the student's use on campus. Increased charges will be due at the time of the change or will be billed.

## Hours of Operation and Other Services

Students can find something to eat somewhere on campus whenever classes are in session, from 7:15 a.m. to midnight Monday through Thursday, Fridays from 7:15 a.m. until 1:00 a.m. and Saturday and Sunday from 10:30 a.m. until 1:00 a.m. Dining services maintains an up-to-date schedule of menus and operational hours for all campus locations on its Web page. Meal plans follow the undergraduate academic calendar, and service and hours may be limited during academic breaks and holidays.

Catering and a wide variety of additional services, including nutrition counseling and meals-to-go, are also available through University Dining Services. Additional information is available upon request or can be viewed at [dining.richmond.edu](http://dining.richmond.edu).

## Special Dietary Needs

With a registered dietician as a member of the University dining services team, every effort is made to support special dietary needs that are medically based. Medical documentation is required, and students with dietary restrictions or special needs are asked to make an appointment to see our nutrition professional. Students will be required to sign an informational release so that their situation can be dis-

cussed with their physician or medical professional as needed. In addition, dining services may require that students consult the University's physicians regarding their dietary requests.

The University does not have designated facilities to accommodate religion-based dietary needs on a daily basis. However, we do work closely with the campus ministry to provide kosher meals for Pass-over selections and carry-out meals during Ramadan. Please contact the associate director of dining services if you have questions regarding available services.

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## BOOKSTORE

The University Bookstore carries textbooks for all courses scheduled for a given term at the University. A comprehensive selection of reference books and general reading materials is also available. The store offers academically priced software, computer and office supplies, greeting cards, gifts, clothing, and health and beauty aids. Services include UPS shipping, faxing, and photo developing. The bookstore's Web site is [www.urspidershop.com](http://www.urspidershop.com).

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## STUDENT IDENTIFICATION NUMBER

In an effort to better protect the privacy of each member of the University of Richmond community, the University uses randomly generated ID numbers of each student, employee, faculty member, and alumnus/a.

A student will be assigned a University of Richmond ID number as the primary identification for University records when he/she enters the University. This eight-digit number will be printed on each student's One-Card (unless the student requests that it not be printed). This ID number also will be used in conjunction with a confidential PIN for students to register for classes and access their academic records through the Web using the University of Richmond's Student Information System (BannerWeb). A Social Security number will still be required to be on file with the University to fulfill IRS and federal reporting requirements.

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## IDENTIFICATION CARD/ ONE-CARD

Each degree- or certificate-seeking student will be issued a picture identification card (One-Card) upon request. This card verifies that the holder is eligible to receive University library and certain other campus privileges. A campus ID is required for check cashing and access to athletic facilities and serves as your meal card if applicable. Neither the card nor its privileges is transferable.

All University students may sign up for the University's Spider Account, a declining balance program which allows students to access previously deposited funds via their University One-Card. The Spider Account allows students the ability to make purchases without carrying cash and can be used by all students at the bookstore, the Student Health Center, campus laundry facilities, most vending machines, and all campus dining locations. Students will be mailed information each semester regarding One-Card sign up. Complete information on the One-Card is available at [oncampus.richmond.edu/student/life/one-card](http://oncampus.richmond.edu/student/life/one-card).

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## WRITTEN COMPLAINTS AND GRIEVANCES

Students who wish to lodge a complaint or grievance pertaining to University policies, procedures or conditions may address their complaints in written form to the appropriate department head or official who oversees the area of concern. If in doubt as to whom to direct the complaint, the following officials may be contacted:

### **Academically related concerns:**

#### ***School of Arts and Sciences:***

Dean of Richmond College (Men)

Dean of Westhampton College (Women)

#### ***Robins School of Business:***

Dean of the Robins School of Business

#### ***Jepson School of Leadership Studies:***

Dean of the Jepson School of Leadership Studies

#### ***Housing Concerns:***

Director, Office of Undergraduate Student Housing

#### ***Financial Policy Concerns:***

Vice President for Business and Finance

#### ***All other concerns:***

Vice President for Student Development

# Confidentiality/Privacy Rights/Right to Know

University of Richmond procedures and the Family Educational Rights and Privacy Act (FERPA) prohibit the unauthorized release of confidential information about individual students. However, directory information is not considered to be confidential and may be published or otherwise released. Directory information includes: name; addresses, including permanent, campus, local (off-campus), e-mail, and campus computer network (IP) address; associated telephone numbers; date and place of birth; school or college; major and/or minor fields of study; degree sought; expected date of completion of degree requirements and graduation; degrees conferred; awards and honors (e.g., dean's list); full- or part-time enrollment status; dates of attendance; previous institutions attended; participation in officially recognized activities and sports; weight and height of members of an athletic team; and photograph. A full list of information considered directory information is available on the Office of the University Registrar's Web page at [oncampus.richmond.edu/academics/registrar/policy/ferpapolicy.html](http://oncampus.richmond.edu/academics/registrar/policy/ferpapolicy.html) or by contacting the Office of the University Registrar. Students may opt to have their directory information withheld. To exercise this option, the appropriate form must be obtained from the Office of the University Registrar, completed, and returned to that office. Once filed, this form remains in effect until withdrawn by the student in writing to the Office of the University Registrar. For further information, contact the Office of the University Registrar.

## Rights with Respect to Education Records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. Access to Education Records: students have the right to inspect and review their education records within 45 days of the day the University receives a written request for access. Students should submit their request to the Office of the University Registrar and specify the record(s) they wish to inspect. Arrangements will be made for access and the student notified of the time and place where the records may be inspected.
2. Request for Amendment of Education Records: students have the right to request amendment of their education records if they believe the records are inaccurate. They should write the University Registrar, clearly identify the part of the record they want changed, and specify why it is inaccurate. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding hearing procedures will be provided to the student when notified of the right to a hearing.
3. Disclosure of Education Records: students have the right to consent to disclosures of personally identifiable information contained in education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee,

or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses records without consent to officials of another school in which a student seeks or intends to enroll.

4. Right to File a Complaint: Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University of Richmond to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

*Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-4605*

The University's complete policy statement can be found on the University Registrar's Web page at: <http://oncampus.richmond.edu/academics/registrar/policy/ferpapolicy.html>.

**NOTE:** Because of the access afforded by a University ID, this number is not considered directory information and will not be released without a student's consent except in situations as listed above. Students should treat the University ID as confidential — it should be protected and not carelessly shared with others. It will be used for a student's entire time at the University of Richmond, so it should always be treated in a confidential manner.

## Right To Know

In accordance with the Student Right To Know and Campus Security Act, the University of Richmond makes graduation rates available to all current and incoming students. These figures can be found on the University Registrar's Web page at: [oir.richmond.edu/studentrrtk.htm](http://oir.richmond.edu/studentrrtk.htm).

# Academic Opportunities and Support

## ACADEMIC ADVISING

An important part of a liberal arts education at the University of Richmond is the relationship between a student and his or her academic advisor. All full-time faculty members in the undergraduate schools and some experienced staff members serve as advisors. While some professors advise only majors in their programs, most advise both majors and students who have not yet declared a major. The ratio of students per advisor is intentionally kept low so students can benefit from personal attention as they plan their academic program.

While the University believes that the responsibility for decisions and actions resides with each individual, advisors are available to answer questions about the curriculum and choosing courses and to help students navigate their years at Richmond. They can assist students along the path to choosing a major, examining career choices, and deciding on research studies or internships. Many graduates report that their advisor was a highly valuable resource to them, and many advisees and advisors remain in touch after the student has left the University.

In addition, the Academic Advising Resource Center (AARC) is available to assist both advisors and advisees with any questions or concerns. For more information about academic advising, contact the AARC at [advising.richmond.edu](http://advising.richmond.edu).

## ACADEMIC SUPPORT CENTERS

### Academic Skills Center

The Academic Skills Center, located in the administrative wing in Boatwright Library, provides academic skills support to University of Richmond students. Operating from a holistic vantage point, the Center incorporates counseling and study skills techniques (including test-taking, note-taking, information processing, concentration, and time management), which address the academic performance of students and their social adjustment to the University environment. The center offers free tutoring in a variety of subjects to students through its Peer Academic Skills Tutoring

program. Both individual and group tutoring options are available. For information, call (804) 289-8626 or visit the center to schedule an appointment.

### Weinstein-Jecklin Speech Center

Practice and preparation can make the difference between a satisfactory speech and a memorable one. Videorecording, review, and peer consultation are available at the speech center to assist students in the development of their oral presentations. Administrators, faculty, and staff rely on the speech center as well to prepare for workshops and to record small group discussions for classroom purposes. The student consultant staff assists client peers with mock interviews, symposia presentations, and conference panel practice sessions at the student's request.

Faculty and trained undergraduate students conduct consultations daily at the speech center; practice sessions are available evenings and weekends by appointment. To reserve a practice time, students may go to the appointment page on the speech center's Web site at [speech.richmond.edu](http://speech.richmond.edu). From this site, prospective clients can reserve the most convenient time to brainstorm and/or practice. The speech center is located on the fourth floor of Weinstein Hall between the departments of rhetoric and communication studies and journalism.

### Writing Center

The Writing Center offers assistance to students writing papers and reports as well as to those making applications to graduate and professional schools and preparing résumés. Beginning about the third week of each semester, the Writing Center is open on a regular basis and staffed with student tutors. Students may make an appointment using the center's online calendar. The Writing Center also offers typing instruction and special tutoring for international students. The center is located in the Boatwright Library's Administrative Wing, under the bell tower to the right of the library's main entrance. Many of the center's materials and other information can be found at [writing.richmond.edu](http://writing.richmond.edu).



## HONOR SOCIETIES

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Many honor and professional societies have chapters at the University of Richmond.

**Phi Beta Kappa** is the oldest undergraduate honor society in the United States. The Richmond chapter, Epsilon of Virginia, was founded in 1929. Phi Beta Kappa members are selected from the Schools of Arts and Sciences and Leadership based upon academic achievement.

**Beta Gamma Sigma** is the national honor society for business students. The University of Richmond chapter was founded in 1965. Faculty members select students for membership based on distinguished academic record.

**Omicron Delta Kappa** is the national leadership honor society. Chartered in 1921, Richmond's ODK chapter recognizes academic achievement, leadership, and membership positions.

**Golden Key National Honour Society** recognizes and encourages scholastic achievement. Richmond's chapter was chartered in 1990 and provides academic recognition, leadership and community service opportunities, and educational programs for its members.

**Mortar Board** is a national honor society that recognizes college seniors for distinguished scholarship, leadership, and service. Membership is open to rising seniors by invitation.

In addition to these campus-wide honor societies, many departments sponsor campus chapters of national honor societies in their disciplines. Information regarding departmental honor societies can be obtained from individual departments.

## WILL PROGRAM (WOMEN INVOLVED IN LIVING AND LEARNING)

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Established in 1980, Women Involved in Living and Learning (WILL) is a national, award-winning program that actively develops the intellectual and leadership skills of women undergraduates by enabling them to excel in their chosen fields and realize their full potential. Through courses, programs, and a student-run organization, WILL students explore the influence of women and gender across disciplines and cultures and within their own lives. They also

examine how gender intersects with other forms of social identity, including race, class, and sexuality.

All WILL students complete a minor in women, gender, and sexuality studies, which serves as the cornerstone of the WILL program and provides a historical and theoretical framework for the examination of gender roles, societal institutions, and the wide range of women's struggles and achievements. The required WILL internship affords students the opportunity to put theory into practice for a real-world understanding of classroom concepts. WILL students combine their minor in women, gender, and sexuality studies with a wide range of majors, including business, leadership, and the sciences.

As members of the WILL student organization, WILL women gain valuable leadership experience through student committees, an elected board, and activism in the community. Students have organized successful statewide conferences, educational campaigns, and social action projects.

Through lectures, performances, and other events, WILL students hear from prominent women and men who are involved in a variety of gender-related issues. WILL students also have the opportunity to interact with invited guests one on one. These events and discussions bring coursework, women's issues, and students' own beliefs and aspirations into much sharper focus. Just as important, they provide first-hand knowledge that one person can make a difference in the lives of many.

Information, including an application, is sent to all incoming first-year and transfer women in the summer. Applications are accepted during the summer and in the fall of a student's first year at the University of Richmond. Subject to space availability, second-year women also may apply. For further information, visit WILL's Web site at [oncampus.richmond.edu/WILL](http://oncampus.richmond.edu/WILL) and the Women, Gender and Sexuality Studies Program section of this catalog.

## SOPHOMORE SCHOLARS-IN-RESIDENCE

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Beginning August 2009, the University will offer several unique living and learning communities designed to enhance student learning beyond traditional methods. Sophomore students will be invited to live in special learning communities in Lakeview Residence Hall that revolve around a central theme.

Residents take a credit-bearing class together that meets in a classroom/kitchen area located on the first floor of Lakeview Hall. Students are actively involved in experiential and social activities outside

of class time with the professor. Themes may include politics, foreign language, outdoor adventures, civic engagement, and literature. Questions can be directed to the vice president for student development.

## International Education

The academic programs of the schools of arts and sciences, business, and leadership studies provide opportunities for the study of international subjects within academic fields long associated with such issues as political science, anthropology, and languages and literatures. Importantly, in response to changes in the world and in higher education, the University has committed itself to the internationalization of the curriculum as a whole. There is a large and growing number of courses in all departments that include international, often non-Western components. Interdisciplinary majors such as environmental studies, German studies, American studies, and international studies also examine international and global issues and regional politics that may cross national borders. Students interested in international issues can combine a major in a traditional academic discipline with an interdisciplinary program, for example, international studies and biology. The curricula of the Jepson School of Leadership Studies and the Robins School of Business also offer a significant number of courses that are international in scope and focus, including the concentration in international business in the Robins School of Business.

The University of Richmond places strong emphasis on the integration of international education into the academic and cocurricular experience of all students. To that end, the Office of International Education (OIE) organizes activities and events such as lectures, concerts, contests, discussion groups, fairs, and an annual international film series. The OIE also organizes a bi annual faculty seminar abroad program designed to enhance the international experience and expertise of its faculty to further internationalize the curriculum. An International Resource Center with travel, work, and volunteer information is located in the OIE.

### Campus Activities

The University of Richmond provides a wide range of on-campus activities and events in support of in-

ternational education. Courses, lectures, and seminars are offered by resident and visiting international scholars, writers, and artists. Exhibits, concerts, and the annual International Film Series bring to campus arts from around the world. Students are able to participate in a variety of international organizations such as the Asian Students Association, Multicultural Student Union, International Club, Model United Nations, Phi Beta Delta, Amnesty International, and Americans for Informed Democracy. Familiarization with other countries and cultures is enhanced on campus through contacts with a significant and growing number of international students, including exchange students from Richmond's 50 partner institutions who are fully integrated into the life of the University.

Cross-cultural education and dialogue at Richmond take place in residence halls as well as in classes. While the great majority of international students live in general residence halls, the Global House is home to a community of U.S. and international students. Programs planned and executed by students living in the Global House are open to the entire University community.

The rapidly growing international student population has recently included representatives from Afghanistan, Argentina, Australia, Austria, Bahamas, Bangladesh, Bermuda, Bolivia, Bosnia & Herzegovina, Botswana, Brazil, Bulgaria, Canada, Chile, China, Colombia, Croatia, Czech Republic, Denmark, Dominican Republic, Ecuador, Egypt, El Salvador, Ethiopia, France, Germany, Ghana, Guatemala, Hong Kong, Hungary, India, Indonesia, Iran, Ireland, Israel, Italy, Ivory Coast, Japan, Jordan, Latvia, Lesotho, Lithuania, Malaysia, Mali, Mexico, Moldova, the Netherlands, Netherlands Antilles, New Zealand, Nicaragua, Nigeria, Norway, Pakistan, Panama, Paraguay, Peru, Philippines, Poland, Portugal, Romania, Russia, Rwanda, Serbia & Montenegro, Singapore, Slovakia, South Africa, South

Korea, Spain, Swaziland, Sweden, Switzerland, Syria, Taiwan, Tanzania, Thailand, Tibet, Togo, Trinidad and Tobago, Tunisia, Turkey, the United Kingdom, Ukraine, United Arab Emirates, Uruguay, Venezuela, Vietnam, and Zimbabwe.

## Study Abroad

The University of Richmond has relationships with 70 distinguished universities and study abroad programs around the world. These study abroad opportunities enhance Richmond's curriculum by offering students a wide variety of courses and experiences. Students can go abroad for a semester, year, or summer and earn major, minor, and elective credits toward graduation. Short programs abroad related to specific courses are offered in break periods during the academic year.

At the University of Richmond, we believe that study abroad is most effective when students are integrated into the local educational system and culture. Therefore, most Richmond semester programs involve direct enrollment in universities abroad with on-site support provided by the host university's international office.

Professional staff offer guidance, advising, and support throughout the entire study abroad process. The office organizes extensive orientation programs to help prepare students prior to departure. Upon return from study abroad, the OIE organizes activities to help reintegrate students into the University community and to identify opportunities for continuing international education on campus and in the community.

Direct experience of cultures is the best way to learn to communicate across barriers of language, customs, politics, and geography. An encounter with different values and educational systems, when supported by good will and serious study, broadens students' understanding of the complexities of our rapidly changing world. Students who study abroad find their experiences both in and out of the classroom to be stimulating and rewarding. They return with a better understanding not only of other cultures, but also of their own.

While study abroad has long been recognized as a significant component of a liberal arts education, today students majoring in the sciences, leadership studies, or business are actively participating in study abroad in growing numbers. Study abroad is possible and encouraged for all students, regard-

less of their major and financial situation. Students who follow required procedures may transfer up to five units per semester from study abroad and graduate with their class in four years. It is a common misconception that proficiency in a foreign language is necessary for study abroad. It is, in fact, quite feasible to study in English in non-English-speaking countries where English is widely used and courses in English are offered. It is also possible to combine intensive study of a foreign language with other courses taught in English.

Early planning is crucial to any successful study abroad experience. The selection of an appropriate program must take into account the student's academic and personal interests. Students are encouraged to begin exploring the opportunities for foreign study as early as the first year and to plan their University of Richmond courses accordingly.

When deciding when and for how long to study abroad, a variety of options can be considered. Richmond students have opportunities to study abroad for a year, a semester, or a summer, in the second, third, or even the fourth year. Combining summer study after the first year with semester or year study abroad during the third year is among the best choices.

There are a number of study abroad options. During the academic year there are opportunities to study through the University's exchange and affiliate programs worldwide. For a current list of programs, see the OIE's study abroad Web site at [studyabroad.richmond.edu](http://studyabroad.richmond.edu).

During the summer, the University of Richmond School of Continuing Studies sponsors a number of study abroad programs directed by Richmond faculty. Programs are offered regularly in Argentina, China, France, Germany, Greece, Italy, Ireland, Japan, Russia, Spain, and the UK. For more information about summer study abroad visit [summer.richmond.edu/abroad/](http://summer.richmond.edu/abroad/). Internships are available in Australia, Germany, Ireland, Mexico, and the U.K. New programs are always being created. For more information see [oncampus.richmond.edu/academics/international/](http://oncampus.richmond.edu/academics/international/).

The University invests considerable resources to create study abroad programs consistent with the standards and educational objectives of this university and the needs of its students. Richmond students will be expected to enroll in Richmond programs, unless there is a compelling reason why a Richmond program does not meet a student's academic needs. Decisions regarding petitions for non-Richmond se-

esters abroad are made by a subcommittee of the International Education Committee, in collaboration with the OIE and the departments from which the student is seeking academic credit. Transfer credits for study abroad will be awarded only for preapproved programs.

After an appropriate study abroad program has been selected, each student is expected to follow procedures administered by the OIE. Maintenance of status as a current student and credit transfer for study abroad can be assured only if the program and courses have been approved and an equivalent grade of C or better is earned. Please see the Academic Procedures section for additional administrative information. For specific information on financial aid for study abroad, consult the Office of Financial Aid. Almost all financial aid is transferable to University of Richmond academic semester and year programs. Students attending Richmond semester or

year abroad programs will also receive international health insurance and a travel allowance in addition to the opportunity for reimbursements for some additional costs. See [studyabroad.richmond.edu](http://studyabroad.richmond.edu) for more information.

## International Student Advising

The Office of International Education is the primary “port of call” for international students, scholars, and visitors before and during their stay at the University. Issues related to visas, health insurance, taxes, and housing, as well as academic and cultural concerns, are addressed by the staff in consultation with relevant departments and other administrative units of the University. In order to help international students and scholars integrate to the University and the United States, the office organizes orientation sessions as well as cultural and social activities throughout the year.

# Academic Procedures

The University of Richmond has, for each academic program, procedures and degree requirements that must be satisfied before the degree can be granted. The student is responsible for knowing the specific requirements and planning appropriately to allow for the completion of these requirements. Depending on the program, the University provides either or both academic advisors and administrative personnel to assist students with their plans. In any case, the final responsibility for following procedures and meeting degree requirements rests solely with the student.

The following sections describe academic policies, regulations, and procedures. If no indication of school is given, that section pertains universally to the School of Arts and Sciences, the Robins School of Business, and the Jepson School of Leadership Studies. When a statement pertains to a particular school or schools, it is listed under the appropriate school heading.

## ADVANCED STANDING

### I. Credit By Examination

The University of Richmond accepts several credit-by-examination options. All students at the University may apply a maximum of seven units of trans-

fer credit from work, including credit by exam, to a University of Richmond degree. The following are guidelines for the most common examinations warranting credit. Specific details regarding each of these options and advanced standing examinations from French, German, and English-based educational systems can be found in the Credit by Exam policy. This policy is available from the Office of the University Registrar and the Office of Admission. Both offices will further serve students with international exams on a case by case basis.

#### A. Advanced Placement

The University of Richmond participates in the Advanced Placement program of the College Board. Successful candidates for admission who have taken Advanced Placement examinations and have the official results submitted may be eligible for credit or an exemption. The exams must have been taken prior to the student’s initial enrollment at the University. Students who have received appropriate scores on Advanced Placement examinations (as established by the departments concerned) may receive credit for or may be exempt from a general education requirement if

the Richmond equivalent courses for which they will receive credit can be used by Richmond students to meet fields-of-study requirements. Specific allocations of AP credit for communication skills or fields-of-study requirements may vary from year to year. Current information is available from the Office of the University Registrar.

## B. CLEP

The University of Richmond awards credit on a limited basis for an acceptable performance on a College Level Examination Program (CLEP) examination recognized by the University academic department concerned. Generally a student may not attempt credit by examination for a course in which a failing grade was received or for a basic course in an area in which acceptable college credit has been earned at a more advanced level. Students who have received appropriate scores on CLEP examinations (as established by the departments concerned) may receive course credit that satisfies fields-of-study requirements of the general education requirements, if the Richmond courses for which they will receive credit can be used by Richmond students to meet fields-of-study requirements. Specific allocations of CLEP credit for communication skills or fields-of-study requirements may vary from year to year. Arrangements to take CLEP examinations may be made with the College Board. Current information is available from the Office of the University Registrar.

## C. Credit By Local Examination

Credit by local examination may be used to satisfy general education requirements in the areas of communication skills and fields of study, as well as to satisfy major requirements or use as elective credit. Students should check with departments for examination dates, fees and related regulations.

## D. International Baccalaureate

The University of Richmond considers only Higher Level exams in the International Baccalaureate (IB) program eligible for credit. The University may award credit or give an exemption for certain general education requirements if the requisite score is achieved and the test has been recognized by the academic department concerned. Specific allocations of IB credit for communication skills or fields-of-study requirements may vary from

year to year. Detailed information on current IB policies is available from the Office of the University Registrar.

## II. Credit for U.S. Armed Services Veterans

In accordance with the recommendations of the American Council on Education, the following advanced credit will be allowed veterans:

- A. A veteran may receive credit for specialized training courses and for correspondence courses taken from accredited colleges under the auspices of the U.S. Armed Forces Institute. A veteran desiring such credit should present the record of training to the University Registrar either on the transcript form of the college at which the work was taken, or on the form prepared for such purposes by the U.S. Armed Forces Institute. In cases of question, the appropriate academic council will determine the amount of credit to be granted.
- B. In allowing further advanced credit for educational experience in the armed services, the University is guided largely by recommendations of the American Council on Education.

## III. Transfer Credit

Credit in transfer may be accepted only for courses which are comparable to courses offered in the School of Arts and Sciences, Jepson School of Leadership Studies, and/or Robins School of Business curriculum at the University of Richmond. Moreover, the coursework must have been taken at an institution accredited by a regional accrediting agency or the international equivalent at the time the work was taken, and a grade or equivalent of C (2.0) or better must have been earned.

Approved credit earned at another institution will be converted to the University of Richmond unit (one unit is the equivalent of 3.5 semester hours) and applied to the record accordingly. Up to five 3-semester hour courses will be transferred in as one unit; additional 3-semester hour courses will be transferred in as .86 units. Coursework accepted in transfer shall be applied to specific degree requirements subject to the discretion of the academic department concerned. Units awarded are added into units required for graduation, but grades are not calculated in the grade point average.

Students must complete 28 units of University of Richmond-approved work toward the undergraduate degree, which includes exchange and study abroad programs, approved visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs.

Students entering the University of Richmond as transfer students (having matriculated after graduation from high school as a degree-seeking student at another post-secondary institution) with at least 6.82 units of transfer work will have the 28-unit requirement prorated, however all students must complete at least 17.5 units at the University of Richmond. Transfer students who attended another institution for one year must earn 25 units of University of Richmond-approved work toward the undergraduate degree which includes exchange and study abroad programs, approved visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs. Those who have attended another institution for one and one half years must earn 21 units of University of Richmond-approved work; transfer students attending another institution for two or more years must earn 17.5 units on campus at the University of Richmond.

## **IV. FIRST YEAR STUDENTS BRINGING IN CREDIT**

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Students may bring in no more than seven units of credit, including credit by examination and transfer credit, to be applied toward their University of Richmond degree. Additional transfer work can be entered on the transcript and can be used to fulfill prerequisite requirements (not general education requirements), but only seven units of credit will count toward a degree.

Credit in transfer may be accepted only for courses which are comparable to courses offered in the School of Arts and Sciences, Jepson School of Leadership Studies, and/or Robins School of Business curriculum at the University. Moreover, the coursework must have been taken at an institution accredited by a regional accrediting agency or the international equivalent at the time the work was taken, and a grade or equivalent of C (2.0) or better must have been earned. Work taken through other institutions prior to initial enrollment is evaluated on an individual basis. Not all departments will accept work taken as a part of a high school program even

if transcribed by an accredited institution. In order for work taken at another institution to be evaluated for transfer credit, the University must receive an official transcript mailed directly from the institution at which the work was completed. The student and transferring institution must also complete the Transfer Work Certification form available from the Office of the University Registrar.

No transfer credit shall be formally accepted or recorded until the University has received an official transcript directly from the records office of the institution which offered the coursework. If coursework is being transferred from more than one institution, an official transcript must be received from each institution. For applicability of transfer work to general education requirements, see General Education Curriculum.

Transcripts and documents from other institutions are the property of the University of Richmond and, as such, are under the control of the Office of the Registrar. Under federal policy, a student has the right to view the documents in his or her file; the University is not required to provide (or allow the making of) copies of these documents. Transcripts submitted to the University of Richmond for admission or credit transfer become the property of the University of Richmond and cannot be returned to the student or forwarded to other institutions.

## **REGISTRATION POLICIES**

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Registration is limited to admitted, degree-seeking students unless specific approval is granted for unclassified status.

### **Registration**

Students shall register by following the policies.

**Note:** A student is not fully registered for any term until satisfactory arrangements have been made for that term's fees.

Late registrations may be accepted subject to the policies for adding classes, as indicated in the section below titled Change of Registration. A special fee is required.

### **Enrollment**

Students are not technically enrolled until the first day of class in a semester. Verification of enrollment cannot be made until that time.

## Prerequisites

Students should consult the catalog and/or department for required prerequisites before registering for a course. Successful registration for a course does not mean that prerequisites have been fulfilled. A student registered in a course without the required prerequisites may be unenrolled from the course.

## Limits of Work

A student normally enrolls for four or five units per semester. The minimum load for a full-time student is 3.5 units.

No student may enroll for more than 5.5 units or fewer than 3.5 units of work without the permission of the dean of his or her school. (Arts and Sciences — see coordinate college dean; Business and Leadership Studies — see academic dean.) Enrollments in either category are subject to special charges as specified in the chapter titled Financial Affairs. Students enrolled for fewer than 3.5 units are classified as part time.

## Change of Registration

Students are able to register for classes through BannerWeb, a secured Web site that may be accessed over the Internet at [bannerweb.richmond.edu](http://bannerweb.richmond.edu) or through the University's Web site. Through BannerWeb, students can register for classes, add and drop classes through the end of add/drop period, view their class schedules, view grades for a specific term, and view their unofficial University of Richmond transcript. Students are responsible for all activity on their BannerWeb account including PIN maintenance, registration, and security. If a student has questions or needs assistance with any aspect of BannerWeb, he or she should contact the Office of the University Registrar at (804) 289-8639 or [registrar@richmond.edu](mailto:registrar@richmond.edu).

Once registered, students may change their registration (add/drop) according to the published schedule. For a regular term, adds and withdrawals without academic record may generally be made during the first two weeks of classes (a change fee of \$10 is charged for each change made after the first week of classes). After the end of the first 10 days of classes, but before the end of the seventh week, a withdrawal-with-record period is in effect where students may withdraw from courses provided that they receive the permission of the appropriate course instructor and academic advisor. Students will be required to pay the fee for change in class and will receive an M grade if

failing at the time of withdrawal or a W grade if passing at the time of withdrawal. Ordinarily, a student may not withdraw from a course after the end of the seventh week of classes except for medical reasons. The student's dean may, under special circumstances, make an exception to this policy.

## Auditing Courses

Auditing a course means that the course instruction is undertaken but not for credit or a grade. With the approval of the student's academic advisor, dean, and the instructor of the course, a student may declare a course to be taken on an audit basis. A permission form must be obtained from and returned with appropriate signatures to the Office of the University Registrar by the end of the 10th day of classes. The student must first register for the course and then file the permission form. The regular rate of tuition is charged, and the audit course is counted as a part of the student's semester load. Once the form is submitted to the University Registrar, the decision may not be reversed. An audited course cannot subsequently be taken for credit unless approved by the appropriate dean.

## Pass/Fail Option

### *School of Arts and Sciences*

*Jepson School of Leadership Studies  
(excluding leadership studies courses)  
(not available to business students)*

An arts and sciences or leadership studies student who has completed at least 18 units of academic work may opt for one normally standard-graded course per semester to be graded on a pass/fail basis. The course may only be used to count as total credit toward a degree, and cannot be used to satisfy any general education requirement or any major or minor requirement. No Jepson School of Leadership Studies or Robins School of Business courses may be taken for pass/fail grading except those in the Department of Economics. No more than four student-opted pass/fail courses are acceptable for degree credit.

**Note:** Some courses are only available as pass/fail courses, such as internships, student teaching, and some research courses. The restrictions stated above do not apply to such courses.

The level of performance necessary to earn a pass grade in a student-opted pass/fail course is D- or better. A passing grade will be recorded as P on the per-

manent record. The credit will be added into credit earned toward graduation and will not affect the grade point average. A failing grade will be recorded as F on the permanent record. The credit will affect the grade point average.

To opt for pass/fail grading, a permission form must be obtained from and returned with appropriate signatures to the Office of the University Registrar by the end of the 10th day of classes. The student must first register for the course and then file the permission form. Once the form is submitted to the University Registrar, the decision may not be reversed.

## Repeated Courses

Coursework may not be repeated for credit toward graduation except as sanctioned by the University; however, particular coursework may meet more than one requirement for graduation. An example of a sanctioned repeat-for-credit is the subsequent registration for a course in which the content changes from term to term, such as special topics or independent studies. Also, certain courses in a major or program may have to be repeated if the grade earned the first time does not meet requirements; in such a case, the credit will be counted only once but both grades will be calculated in the cumulative grade point average.

Courses taken on an audit basis cannot be repeated for credit unless approved by the appropriate dean.

Except in clear situations, the Office of the University Registrar should be consulted before registration to learn if a proposed repeat is sanctioned for credit or if sanction is possible.

All courses taken at the University of Richmond become a part of the permanent academic record. The grade for a course repeated at the University of Richmond becomes a part of the grade point average if the grade otherwise would be included in the computation.

## COURSE ADMINISTRATION

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### Class Attendance

Students are expected to attend all meetings of all classes (including lectures, seminars, laboratories and drills) in which they are enrolled. The specific attendance policy in each course, however, is determined by the instructor of the course, subject to the section on University Holidays below. At the start of each

semester, the instructor is responsible for describing the class attendance policy in the syllabus and distributing it to students.

Academic events sponsored by the University under supervision of faculty advisors include, but are not limited to: theatre/dance and musical performances, debate, mock trial, model UN, conference attendance, ROTC field leadership exercise, and Oldham scholar travel. Because such events and varsity athletic competitions are recognized as integral to the educational experience, the appropriate coordinate college dean will provide official notification of student participation in these activities. It is also the student's responsibility to request such notification and to deliver it to the faculty member as early as possible in the semester. Faculty members will honor notification from the college deans that a student is to be excused for participation in a University-sponsored event. All other absences will not be officially announced by a dean, but may be excused at the discretion of faculty. Examples include, but are not limited to, class field trips, illness, funerals, and family functions. The University policy regarding absences related to University or religious policies is stated below. The University encourages students to weigh the consequences of missing class and other sponsored academic or varsity athletic events, and to make their choices accordingly.

Misrepresenting the reason for class absences to a professor is a violation of the University's honor code.

A student will be held responsible for all work of a class or laboratory missed during any absence.

**Note:** Students enrolled in business school or School of Continuing Studies courses must attend at least 75 percent of the class meetings — regardless of the reasons for absence — to be eligible to receive credit for the course.

### University Holidays

With the increasing diversity of the University community and the limited flexibility in setting the academic calendar, it is not possible to avoid conflicts with some religious and secular holidays that are very important to some members of our faculty, staff, and student body. However, the University is very sensitive to the special needs of those who need to observe such holidays and will make accommodations for them to make up the time missed if arrangements are made in advance.



The University is officially closed on New Year's Day, Thanksgiving Day, and Christmas. In addition, some schools are closed for classes on Memorial Day, July 4th, and Labor Day, while others hold classes on those days. (See the appropriate academic calendar for specifics.)

Other holidays affecting University community members include Martin Luther King Day, Rosh Hashanah, Yom Kippur, the first two days of Passover, Good Friday, and Easter Sunday. In consideration of their significance for our students, students who observe these holidays will be given an opportunity to make up missed work in both laboratories and lecture courses. If a test or examination is given on the first class day after one of these holidays, it must not cover material introduced in class on that holiday. Faculty and staff should be aware that Jewish and Islamic holidays begin at sunset on the evening before the published date of the holiday.

The University recognizes that there are other holidays, both religious and secular, which are of importance to some individuals and groups on campus. Such occasions include, but are not limited to, Sukkoth, the last two days of Passover, Shavuot, Shemini Atzerat and Simchat Torah, as well as the Islamic New Year, Ra's al-sana and the Islamic holidays Eid-al-Fitr and Eid-al-Adha.

*Students who wish to observe any such holidays must inform their instructors within the first two weeks of each semester of their intent to observe the holiday, even when the exact date of the holiday will not be known until later, so that alternative arrangements convenient to both the student and the instructor can be made at the earliest opportunity. Students who make such arrangements will not be required to attend classes or take examinations on the designated days, and faculty must provide reasonable opportunities for such students to make up missed work and examinations. To facilitate this, faculty will announce and distribute all anticipated test and examination dates on the course syllabus, distributed at the beginning of each semester. Students should be aware that faculty may need to adjust these dates as necessary.*

## Examination

Most classes have examinations at the close of each term, according to a published schedule.

Each student is responsible for taking final examinations as scheduled. No rescheduling, excuse

for absence, and/or provision for making up final examinations will occur without the written approval of the student's dean. Such approval shall be made only for illness certified by a physician, participation in authorized University activities, and/or personal emergencies such as death in the family.

Appeals of the rulings associated with the administration of these regulations shall be directed to the student's dean and, if necessary, through that dean to the academic council of the faculty concerned.

## Evaluation

Instructors establish grading criteria for their courses and prepare and submit the final course reports (using the grades defined under Grading Policies) to the University Registrar for recording. In the event of a question about the accuracy of the recorded grade, a student should direct inquiries to the instructor.

It is recognized that each class and each student in a class has unique characteristics that the instructor alone is in the best position to evaluate; consequently, except in unusual circumstances, formal appeals to others concerning the evaluation on which a grade is based are not appropriate.

If unusual circumstances appear to have existed that could have affected the evaluation, the student should first bring the matter to the attention of the instructor (if available). If that informal inquiry is impossible, or if its results are disputed, the student may next bring the matter to the attention of the department chair and the instructor, jointly. In the event of continued dispute, the student may formally petition the dean of the student's school who, in consultation with department faculty, may present the matter to the academic council for a decision.

## Grading Policies

The level of student's performance in classwork and examinations is indicated by letters. A (excellent), B (good), C (average), and D (poor) indicate that the work has been passed. The foregoing grades may be accompanied by a plus (+) or minus (-) to indicate a relative position within the grade category. P shows credit has been earned in a pass/fail course, and Z shows that a course was audited. S and U indicate satisfactory or unsatisfactory performance in non-academic courses. W indicates that the student withdrew from a course with a passing average. Marks indicating failure and included as such in the grade point average are F, M (withdrew from a course with

a failing average), and V (failure because of excessive absences). The X indicates that the grade is not available from the instructor.

I and Y mean that coursework has not been completed by the end of the term. The I, which provisionally counts as a failing grade, is given when the reasons for incomplete work are deemed unjustifiable by the instructor. The work is to be made up by the date the instructor specifies, but no later than 45 calendar days from the last day of the term in which the I was given. If the work is not made up during the grace period, the I will be converted to F. The Y, which does not count as a failing grade, is given when the reasons for incomplete work are deemed justifiable by the instructor, or at the end of the first term of a course that continues into a succeeding term. There is no deadline for completion of the work unless the instructor so specifies. In the case of an I or Y, once the make-up grade is received, it appears to the right of the incomplete grade on the permanent record. In all cases, it is the student's responsibility to make arrangements for and progress toward the completion of an incomplete course.

## Grade Availability

Grades are due to the registrar's office from instructors as specified in the academic calendar published annually by the Office of the University Registrar. They will be available to students as soon as possible after they have been received by the registrar's office. Students may access grades via the Internet by using BannerWeb. Students will need their student ID number and student PIN. Grades are deemed correct unless notification to the contrary is received by the University Registrar within three (3) months after the close of the term specified.

## Credit and Grade Point Average

The University of Richmond uses the unit credit value. A unit is determined by a combination of factors that include contact time with a faculty member in a formal setting and expectations of independent student work through a nominal 15-week semester. One unit is the equivalent of 3.5 semester hours.

The grade point average is based on two factors:

- 1. GPA Units**—The accumulation of academic units that have grades to which grade point values are assigned; and
- 2. Grade Points**—Given for each unit's grade according to this scale:

|    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|
| A+ | 4.0 | B+ | 3.3 | C+ | 2.3 | D+ | 1.3 |
| A  | 4.0 | B  | 3.0 | C  | 2.0 | D  | 1.0 |
| A- | 3.7 | B- | 2.7 | C- | 1.7 | D- | 0.7 |
| F  | 0.0 | I  | 0.0 | M  | 0.0 | V  | 0.0 |

**Calculation Points** The grade point average is calculated by dividing the total number of grade points earned by the total number of GPA units. The grade point average is represented to two significant decimal figures.

The accumulations and average are shown each term on the permanent academic record and on the transcript. Also shown on these reports is the accumulation of earned units. Earned units are the academic units in which the student has earned passing grades, plus unit credit, if any, for accepted transfer work.

## Academic Reports

Reports of the student's progress are prepared each term in the form of the permanent academic record. The information included is the record of the student's registration and grades, with such other information as may be deemed important. All courses taken at the University of Richmond become a part of the permanent academic record.

## Work Taken Elsewhere

This section pertains to students who wish to take academic work elsewhere while actively pursuing a degree at the University of Richmond. Only coursework taken at an institution accredited by a regional accrediting agency or the international equivalent at the time the work was taken will be considered, and a grade or equivalent of C (2.0) or better must have been earned. The unit credit or equivalent as awarded at the other institution will be the units transferred. Units awarded are added into units earned for graduation, but grades are not calculated in the grade point average. (Individuals admitted as transfer students, please see the Advanced Standing section.) Students must complete 28 units of University of Richmond-approved work toward the undergraduate degree, which includes approved exchange and study abroad programs, approved visiting

away and off-campus programs as well as courses taken through dual degree and cross-registration programs.

### **Study in the United States**

The student is to obtain the approval of each department chair concerned before taking work elsewhere. The approvals ensure that the work is acceptable to the University, its departmental standards and the student's curriculum. The Office of the University Registrar provides a special form for this purpose and will also answer questions about the procedure.

### **School of Arts and Sciences**

#### **Jepson School of Leadership Studies**

While students are expected to obtain approval before taking work elsewhere, work taken without prior approval may be accepted subject to transfer credit policies.

### **Robins School of Business**

The Robins School of Business may approve for transfer credit those courses that meet the following criteria: The course is completed at an institution accredited by the American Assembly of Collegiate Schools of Business (AACSB); the student receives a final course grade of at least C (2.0) as verified by an official transcript; the approval of the appropriate department chair and dean is obtained. Approvals should be obtained prior to taking the coursework elsewhere. Courses completed at nonaccredited institutions generally are not accepted for credit. Grades for courses taken at another institution are not included in the calculation of the University's grade point average.

### **Study Abroad**

Students wishing to study abroad should contact the Office of International Education for information about the range of opportunities and the procedures they must follow. The procedures ensure that academic work abroad will qualify for transfer credits to the University of Richmond. Only work taken through approved programs will be eligible for transfer credit. Further information about study abroad is presented in the chapter on International Education.

## **Visiting Student Status**

Under certain circumstances, students, while not enrolled at the University of Richmond, are granted visiting student status. This status is based on attending a University-approved program of study. To determine if a domestic program is approved, contact the Office of the University Registrar; for study abroad programs, contact the Office of International Education.

## **Acceptance of Credit**

### **Summer Study Abroad Programs**

Only programs with a University of Richmond director or faculty that also are administered by the University are included in this category.

For academic record, degree progress, and grade point average purposes, coursework taken in these programs is treated as if the work were completed on campus. There are a number of University study abroad programs including programs in Argentina, China, Chile, France, Germany, Italy, London, Ireland, Greece, Japan, Spain, and Russia. All of the programs above are administered through the University of Richmond Summer School office.

### **Other Programs Abroad**

Transfer credit will be awarded for pre-approved coursework at a regionally accredited (or international equivalent) institution in which a grade, or equivalent, of C (2.0) or better has been earned. Credit for coursework to be counted toward the major is subject to approval by the academic department concerned. No credit will be awarded for work taken elsewhere until an acceptably complete official transcript in English is received by the University Registrar directly from the institution providing the instruction or the approved agency coordinating the instruction. Such credit is recorded as academic units passed and is not computed in the student's grade point average.

**Note:** Students should contact the Office of International Education regarding summer abroad programs not offered by the University of Richmond.

## ACADEMIC STANDING

Students are expected to achieve in the classroom and make steady progress toward completion of degree requirements. Relevant designations are specified in the following sections.

### Class Standings of Students

The class standing is established at first matriculation and is evaluated after grade posting for each subsequent term of enrollment. The standing is based on units passed including, if applicable, acceptable transfer and/or advanced standing credit. The standings are:

|        |                     |
|--------|---------------------|
| Year 1 | 0 - 6.82 units      |
| Year 2 | 6.83 - 15.40 units  |
| Year 3 | 15.41 - 23.97 units |
| Year 4 | 23.98 or more units |

### Dean's List

The Dean's List of Distinguished Students recognizes outstanding scholars for fall and spring semester.

### School of Arts and Sciences

#### Robins School of Business

#### Jepson School of Leadership Studies

The student must complete at least 3.5 earned units for the semester (excluding P/F units), with no grade below a B- (2.7), and a minimum term GPA of 3.60.

### Academic Deficiencies

Academic deficiencies are of two types: academic warning and academic probation.

#### Academic Warning

At any time when a student's overall grade point average falls below 2.00, the student automatically will be on academic warning. A student on academic warning should take active steps to improve academic performance.

#### Academic Probation

Academic reports are evaluated at the end of each grade-posting period. Regardless of the specific provisions for each school stated below, if at the end of any term a student's record reveals such significant deterioration in performance that extraordinary action is deemed appropriate by the dean of the stu-

dent's school or college, that student may be placed on probation, limited in units of enrollment, or recommended for suspension from the school or college regardless of grade point average. In addition, such student may be restricted from participation in certain University activities. While suspended, students may not take classes at other institutions and transfer them back to University of Richmond.

Appeals of rulings associated with the administration of these regulations shall be directed to the relevant academic council.

### School of Arts and Sciences

#### Robins School of Business

A student who falls below the following minimum accumulations of semester units and grade point average (GPA) will be placed automatically on academic probation:

|                                     |          |
|-------------------------------------|----------|
| Year 1 (0- 6.82 units passed)       | 1.50 GPA |
| Year 2 (6.83-15.40 units passed)    | 1.70 GPA |
| Year 3 (15.41-23.97 units passed)   | 1.85 GPA |
| Year 4 (23.98 or more units passed) | 2.00 GPA |

If at the end of the second consecutive semester\* of enrollment after being placed on academic probation, the student fails to meet the minimum standard based on units then passed, the student shall be allowed to enroll for no more than two units of academic work per regular semester or during the entire summer. Such a student has a maximum of four units of work attempted in which to achieve the minimum requirement. Otherwise, he or she will be suspended from the School of Arts and Sciences or the School of Business.

The above provisions notwithstanding, the dean of the student's college, in circumstances which seem to warrant such action, may allow the student to continue as a full-time student on probation for a single additional semester.

*\* Work taken during an entire summer, provided 3.5 units or more are attempted, shall count as a regular semester.*

#### Jepson School of Leadership Studies

A student will be placed on academic probation when the student's cumulative GPA falls below 2.0, the student's leadership studies GPA falls below 2.0, or the student earns a grade below C- (1.7) in a lead-

ership studies course. While on academic probation, a student's participation in athletics, debating, dramatic or musical organizations, as well as their representation of the University in any public capacity, may be restricted.

If the student does not meet academic standards in the following semester, he or she will be dismissed from the program in leadership studies. The student may request a one-semester extension of the probationary status. The appeal should be directed to associate dean for academic affairs of the Jepson School of Leadership Studies. If granted and the student does not meet all standards after the probationary year, he or she will be dismissed from the program in leadership studies. Any further appeals should be directed to the dean of the Jepson School of Leadership Studies. Upon review of the student's record and any additional information, the dean will render a final decision.

## **READMISSION TO THE UNIVERSITY**

Students who have withdrawn from the University for whatever reason, other than participating in an approved study abroad, exchange, or visiting away program, and wish to return must make their request for readmission in writing to the dean of the appropriate academic school. Students seeking readmission to the School of Arts and Sciences should contact the dean of Richmond College (men) or dean of Westhampton College (women). Students seeking readmission to the Robins School of Business or the Jepson School of Leadership Studies should contact the associate dean of that school.

## **GRADUATION**

### **Qualifications**

To graduate a student must meet certain qualifications described below.

### **Curriculum and Achievement**

A candidate for the Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Business Administration degree must satisfactorily complete all degree requirements (see Summary of Degree Requirements section) and 35 units. Undergraduate degree candidates must earn a grade point average of not less than 2.00 on all coursework attempted and must receive

credit for attendance at assemblies and convocations, as required.

### **Time Limits**

#### **School of Arts and Sciences**

There is no time limit in regard to the completion of general education requirements. In the event of catalog changes, a student may choose to fulfill admission and general education requirements for graduation from a subsequent catalog provided all of the requirements of the chosen catalog are met.

#### **Robins School of Business and Jepson School of Leadership Studies**

A student must complete the requirements for the degree, as stated in the catalog at the time of entrance, within five years from the date of original entry. Reinstatement to a program after five years requires permission of the academic council of the student's school. If an extension of time is granted, the student may be required to satisfy the degree requirements in effect at the time of reentrance.

### **Changes in Catalog Information**

Caution: The course offerings and requirements of the University of Richmond are under continual examination and revision. This catalog is not a contract; it merely presents the offerings and requirements in effect at the time of publication and in no way guarantees that the offerings and requirements will not change. The University specifically reserves the right to change requirements for any major, minor, and/or program, and to implement them during any particular year.

The student assumes full responsibility for compliance with all academic requirements. Current course offerings may be obtained from the appropriate department. Current major, minor, program, and degree requirements may be obtained from the University Registrar; the deans' offices of the schools of arts and sciences, business, and leadership studies, and Richmond and Westhampton Colleges; or from the department chair of the appropriate department.

In the event the University adopts new general education and/or major, minor, and program requirements, efforts will be made to accommodate hardships during the transition period.

## Declaration of Majors/Minors

All undergraduate degrees at the University of Richmond require satisfactory completion of one major. Multiple majors and/or minors for a single degree also may be pursued, and upon completion will be recorded on the permanent academic record. For dual degree requirements, refer to the Dual Bachelor's Degree section. With the exception of leadership studies, students have the option to declare a major as early as the end of the first year. They are encouraged to declare during the second year, and are expected to declare by the end of the second year.

All declarations of majors and minors must be received in the Office of the University Registrar during the two-week add/drop period to be effective for that term. Declarations received after add/drop will not be processed until the end of the term. For procedures on how to declare majors and/or minors both in the home school and between schools, contact the Office of the University Registrar.

## Undergraduate Work Taken After Graduation

Students who have graduated from an accredited college or university and who wish to take undergraduate courses in the liberal arts and sciences during the academic year, but not for degree purposes, should apply to the Office of Admission for acceptance as an unclassified student. Permission to take such classes may be granted on a space-available basis and with due regard for prior achievements. Application for such undergraduate work to be taken in the summer will be received by the summer school office. Students who are required to take undergraduate work in preparation for a University of Richmond arts and sciences graduate program, or who take undergraduate and graduate work simultaneously, shall register through the Graduate School of Arts and Sciences.

Additional majors or minors may be completed after graduation and recorded subject to the following: the student must have a Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Business Administration degree from the University of Richmond; all work required to complete the additional major or minor subsequent to graduation must be taken at the University in the School of Arts and Sciences, Robins School of Business, or Jepson School of Leadership Studies; the academic department concerned must certify that the major or minor is complete; and the

student must complete the work within two years of graduation unless additional time is granted by the major or minor department concerned, and the department notifies the University Registrar.

## Work at the University

To earn an undergraduate degree, a student must complete 28 units of University of Richmond-approved work which includes exchange and study abroad programs, approved visiting away, dual-degree and off-campus programs as well as courses taken through cross-registration (transfer students will have this requirement prorated — see section on Transfer Credit).

A student must have completed at least 17.5 units of acceptable coursework required for the degree in residence at the undergraduate School of Arts and Sciences, Robins School of Business or Jepson School of Leadership Studies. The last eight units are expected to be included within the 17.5 units.

In no case may a student count more than 17.5 units from a single subject area toward the minimum number of units necessary for graduation.

### Robins School of Business

All transfer students, as part of their degree requirements, must complete at least 12 units of coursework in business/economics within the Robins School of Business.

### Jepson School of Leadership Studies

At least 10 of the required 17.5 residence units required for a degree must be taken in the Jepson School of Leadership Studies

## Financial/Administrative Responsibilities

No degree is conferred if the student's responsibilities to the University are in an unsatisfactory condition. Responsibilities in this sense include financial and administrative matters such as, but not limited to, delinquent payments, parking fines, or overdue library books.

## Degree Application

To graduate a student must file a degree application with the Office of the University Registrar. Degree applications are to be filed by the second Friday in September for the coming May or August com-

mencement. Those enrolled only in the spring file by the first Friday in February. Students enrolled only in the summer culminating in their graduation file by the third Friday in June. Students planning to graduate in December should file a degree application by the first Friday in February.

If degree requirements are not completed prior to the intended graduation date, the student must file a new degree application according to the schedule above.

Degree applications are available online via BannerWeb and in the Office of the University Registrar.

## Attendance At Commencement

Students are required to attend the commencement ceremony for the award of the degree in person except by decision of the University not to do so. A student who expects to have a degree awarded at the spring commencement may request absentia status from the graduation ceremony by explaining in writing the circumstance which prevents participation. Students who have a degree application on file and anticipate summer completion of degree requirements are also expected to participate in the spring graduation ceremony. Students who expect to complete degree requirements in December may participate in the spring commencement either prior to or following their December completion. If a winter or summer degree candidate does not intend to participate in the ceremony a written statement requesting absentia must be submitted. The request for absentia must be received by the University Registrar no later than eight working days before the ceremony. The registrar will notify the degree candidate of the status granted by the University. Unless approved for absentia status a candidate for graduation who does not participate in the commencement ceremony does not graduate. Such candidate may graduate by again filing a degree application and by following the appropriate graduation attendance policy.

August degrees are conferred as of the date specified in the academic calendar, and diplomas are mailed to those qualified. December degrees are conferred as of the date specified in the academic calendar. Diplomas for December graduates are mailed to students who have previously participated in the commencement ceremony. Those who will be participating in a future ceremony will receive their diploma at that time. No degree is conferred if the student's responsibilities to

the University have not been met. These responsibilities include, but are not limited to, such matters as the payment of fees, parking fines and library fines, and the return of library books.

## Degree With Honors (Latin Honors)

General academic honors of three ranks are awarded to members of the graduating classes on the basis of their grade point average on work completed at the University of Richmond.

### *School of Arts and Sciences*

### *Jepson School of Leadership Studies*

### *Robins School of Business*

|                 |             |
|-----------------|-------------|
| Cum Laude       | 3.40 - 3.59 |
| Magna Cum Laude | 3.60 - 3.79 |
| Summa Cum Laude | 3.80 - 4.00 |

## GRADUATE STUDY

University of Richmond students who are near completion of the undergraduate degree may study in a master's degree program in the University's Graduate School of Arts and Sciences. To qualify for this option, a student must have already passed at least 29 units of coursework before beginning his or her seventh semester of study, have an overall grade point average of at least 3.30, and be admitted to the Graduate School of Arts and Sciences as a regular student by its standard procedures. Individual departments may set a higher minimum grade point average (both overall and in the major) to qualify for this option and/or restrict the courses that may be taken under it. Until students have completed requirements for the bachelor's degree, they may take no more than three courses for graduate credit and not more than two in any given semester. Although a student who is accepted to this option will be enrolled in undergraduate and graduate courses simultaneously, the undergraduate and graduate transcripts will be recorded separately. Courses taken for graduate credit will not apply to the bachelor's degree. The student will register as an undergraduate and pay the undergraduate tuition rate until the bachelor's degree is completed.

## SECOND UNDERGRADUATE DEGREE

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A student may earn more than one undergraduate degree either consecutively or concurrently in relation to another undergraduate degree provided the degrees are not alike, e.g., not two B.A.s or two B.S.s. For information on completing one degree with multiple majors, see Declaring Majors/Minors above.

The following policies apply to any student seeking a second undergraduate degree.

### Consecutive Bachelor's Degree

A consecutive bachelor's degree is one which is begun after a first degree has been conferred or after the degree requirements for the first degree have been recorded as completed on the student's permanent academic record.

A student who wishes to pursue the second bachelor's degree consecutively shall apply to the dean of the school concerned. (Arts and Sciences students should contact the dean of the appropriate coordinate college.) The dean shall make a decision for admission based on the quality of prior work, the favorable recommendation of the intended major department, and space availability. Once admitted, the student's grade point average shall be based only on the work taken at the University of Richmond while pursuing the second degree. The student's dean may limit or deny further registration if the quality of the student's work indicates that at least a 2.00 average will not have been achieved by the time the student has attempted nine units. A student admitted for a consecutive degree shall be considered a member of the senior class for registration purposes.

To earn a consecutive bachelor's degree, a student must achieve at least a 2.00 grade point average on a minimum of nine additional units of resident academic coursework selected from the catalog of courses. Courses in which a student-opted Pass is earned shall not count in the nine units. In addition, general education requirements appropriate to the degree being sought, as well as requirements for the major,

must be met satisfactorily. Work taken for the preceding degree may be considered as transfer credit for the purpose of meeting these requirements; however, at least half of the major must be taken at the University of Richmond, and all other degree requirements must be met as outlined under Graduation, including the 17.5-unit residency requirement.

A student who completes the requirements for the consecutive degree is ineligible for Latin honors, and will not be assigned a graduating class rank.

### Concurrent (Dual) Bachelor's Degrees

Dual bachelor's degrees are two different bachelor's degrees that are pursued concurrently and completed at the same time.

A student who wishes to pursue two bachelor's degrees concurrently shall notify the dean of his or her school promptly after the decision is reached. (Arts and Sciences students should contact the dean of the appropriate coordinate college.) Students in the Robins School of Business or the Jepson School of Leadership Studies who desire a second undergraduate degree in the arts and sciences must receive the approval of the dean of the appropriate coordinate college as well as the sanction of the dean of their home school. Even when approved for the second degree, such students remain a member of their home school for academic, administrative and extracurricular purposes.

When two degrees are being sought concurrently, the grade point average computation and all academic policies are administered on the basis of the then-accumulated work for both degrees.

To earn concurrent bachelor's degrees, a student must complete 44 units of academic work plus the additional degree requirements with at least 28.5 units taken at the University of Richmond. In addition, the general education requirements appropriate to each degree being sought, as well as requirements for the majors, must be completed satisfactorily. At the proper time, two degree applications must be submitted simultaneously to the University Registrar. Latin honors, if earned, will be shown on both degrees.



# General Education Curriculum

A liberal arts education is typically characterized by the development of broad intellectual and cultural interests and by the achievement of a significant body of skills and knowledge. It is the particular responsibility of a general education curriculum to address the first of these goals, the broadening of students' interests, while also laying the foundation for the acquisition of advanced skills and deeper knowledge within optional areas of concentration, normally defined as majors.

So it is at the University of Richmond, where a distinctive general education curriculum has been designed:

- To provide a stimulating and challenging introduction to collegiate life through a first-year core course
- To establish the basic prerequisites of productive scholarship through a set of communication skills requirements
- To familiarize students in a meaningful way with some of the major approaches to intellectual and cultural life through a series of fields-of-study requirements

This curriculum is offered by a faculty that sees general education as fundamental to its mission. Through its various general education courses, the faculty intends to incorporate each and every student into a community of learners who value and practice the life of the mind. Beginning with their general education courses and continuing through the courses in their major, their elective courses, and their various cocurricular and extracurricular learning experiences, University of Richmond students are expected to develop their ability to think critically and independently, to learn to tolerate ambiguity where true ambiguity exists, and to grow in their respect for and their ability to deal with the kinds of multiplicity that characterize our complex world. The common goal of the University's faculty is the education of independent, responsible, and contributing members of society.

## I. FIRST-YEAR CORE COURSE

This two-semester course explores some of the fundamental issues of human experience through close analysis of relevant texts drawn from a number of cultures, disciplines and historical periods. In this course all first-year students together with a significant portion of the faculty share a common syllabus, and thus engage in a common conversation. A central goal of the course is to incorporate students into a community of learners from the very start of their collegiate careers. It is also hoped that the intensive reading, focused discussions, and frequent writing that typify the course will develop the fundamental skills required for subsequent coursework and life. Co curricular events such as lectures and musical performances are sometimes associated with the course. This course is to be taken and passed by all students, without exception, in their first year of matriculation. It earns one unit per semester.

## II. COMMUNICATION SKILLS

Ideas and experiences must be communicated if they are to be shared, scrutinized, and transformed into effective knowledge. Toward these ends, the faculty expects each student to develop skills in expository writing, oral communication, and a second language.

### Expository Writing (COM1)

As regards expository writing or basic composition, the faculty assumes that all entering students have a certain level of technical competence, but scholarly work at the collegiate level demands that a student's writing be not only technically correct but also purposeful and effective. For this reason, the basic course that satisfies this requirement, English 103, is essentially a course in critical thinking, in which writing skills are developed as a tool for thought and communication. Although some students are exempted from this course on the basis of certain test scores, the majority of incoming students still satisfy this requirement through taking and passing English 103 with an earned grade of C (2.0) or better. In addition to this course, the faculty has begun to implement

a writing program that will help to enhance the expository writing skills of many University students beyond the minimum level set by this requirement.

## **Oral Communication**

Oral communication is another skill that is essential to both education and life. Students should be able to speak so that their ideas are expressed logically, lucidly, and effectively, and they should be able to provide relevant evidence whenever appropriate. In addition, students should be able to analyze the spoken discourse of others. The general education curriculum at the University of Richmond assists students in these regards by immediately immersing them into frequent and intensive oral exchanges and presentations in the First-Year Core Course and by offering relevant courses, such as Rhetoric and Communication Studies 101, through the Department of Rhetoric and Communication Studies. In addition, many faculty and departments have been increasing the oral communication components in their courses and seminars, with the goal of enhancing this fundamental skill. Their efforts are assisted by the University's Weinstein-Jecklin Speech Center. There is no required course that students must take to fulfill this portion of their general education.

## **Second Language (COM2)**

A second language has become more and more important as the world for which students are preparing themselves has placed increasing demands upon them to understand the national and cultural perspectives of other language groups. The knowledge of a second language is critical for achieving such understanding as well as for exposing the learner to other cultures, in ancient or contemporary guise, that he or she may encounter after graduation. For these reasons, the faculty expects all students to demonstrate functional ability in listening, speaking, reading, and writing in a modern second language or in reading and writing in a classical language. These abilities are appraised either at entrance or through introductory and intermediate courses.

## **III. FIELDS OF STUDY**

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Fields of study courses introduce students to some of the primary fields or sets of related disciplines within which scholars group phenomena for study. These

courses are intended to familiarize students with the kinds of questions raised by scholars within each of these groupings and with the methods by which scholars try to answer such questions. Although fields of study courses are typically offered by individual departments, they have nonetheless been designed and approved with general education as their primary objective. Thus, their scope exceeds the boundaries of singular disciplines insofar as they seek to give explicit attention to the perspectives, ways of thinking and methodological approaches of larger fields of inquiry. In order to give students a broad understanding as well as a basic foundation for further study in any of these fields, the faculty requires students to pass specially designated courses in each of six fields of study: historical studies, literary studies, natural science, social analysis, symbolic reasoning, and visual and performing arts.

### **Historical Studies (FSHT)**

Historical studies examine events and actors of the recent or distant past within the context of the ideas, institutions, social norms, cultural practices, and physical environments out of which they arose. Courses with a historical perspective enable us to understand the values and institutions of disparate societies and cultures as they have developed over time.

By emphasizing the critical analysis of sources and the interrelationships among ideas, institutions, social structures, and events within one or more interpretive frameworks, these courses foster students' awareness of the methods and perspectives for understanding past societies and cultures in historical context. Courses that focus narrowly on the history of a discipline, that only use chronology as an organizational structure, or that do not stress the context in which ideas and events occurred fall outside the category of historical studies.

### **Literary Studies (FSLT)**

The field of literary studies concerns itself with verbal texts read as structures of meaning. While language is a practical tool for thought and communication of many sorts, the particular focus of literary studies is on linguistic creations as meaningful in themselves and not purely as documents that record meaning outside themselves.

Courses satisfying the literary studies requirement are centrally concerned with the textual analysis of

primary works. They consider a variety of interpretive frameworks and attend to one or more collateral areas of investigation, including the study of the process by which texts are created and received, the historical and cultural contexts in which they are created and received, and their relationships to each other and to other fields of experience and analysis. The field of literary studies brings its perspectives and methods to bear on imaginative and nonimaginative works alike.

### **Natural Science (FSNB, FSNC, FSNP)**

The field of natural science is concerned with the physical universe from subatomic to cosmic levels of organization, including inanimate as well as living systems, their structure, diversity, interaction, and evolution. Based upon the generation and testing of hypotheses, scientific inquiry is restricted to the study of repeatable, measurable, and verifiable phenomena. Within this field, knowledge may be gained either by controlled experiment or diligent observation, depending upon the phenomena being studied. Similarly, some of the field's methodologies rely upon quantitative analysis, while others are primarily qualitative.

The natural science requirement is designed to enhance students' appreciation of the beauty of science as well as their understanding of the challenges of doing science. Students gain experience in the formulation and testing of hypotheses and are introduced to scientific methodology. The natural science requirement consists of a single laboratory course selected from the three areas of science represented at the University of Richmond, namely, chemistry, physics, and the biological sciences.

### **Social Analysis (FSSA)**

Social analysis is the systematic study of individual and social human behavior. This field of study involves a systematic theoretical and empirical examination of the patterns of human behavior within or across various societies and cultures.

Courses satisfying this requirement focus on human behavior. They teach students to analyze individual and group behavior by using a variety of theoretical and empirical frameworks. All courses in this field of study must include the reading of or involve students in research on patterns of human behavior. Courses that employ social contextual analysis for

purposes of providing a frame of reference for the study of other phenomena, such as literary texts, works of art, etc., do not fulfill this requirement.

### **Symbolic Reasoning (FSSR)**

As a field of study, symbolic reasoning is distinguished by its attention to internal logical consistency and by its wide external applicability. This field of study emphasizes symbolic problem solving, a process that includes translating problems into terms that are amenable to treatment within a symbolic system; understanding consistent rules by which the information relevant to the problem may be processed in order to obtain a solution; recognizing important underlying principles that govern the application of these rules; and judging both the appropriateness of known solution methods to a particular problem and the quality or reasonableness of the solution obtained.

Courses in this field of study aim to develop in students the skills to obtain valid solutions using one or more symbolic systems, the ingenuity to translate new problems into appropriate terms for such systems, and the persistence to carry a solution method through to completion. The focus of a symbolic reasoning course should be on understanding the symbolic system and how it can be used to develop problem-solving tools rather than on the tools themselves. Applications of these tools, while a welcome addition, should not be the primary objective of the course.

### **Visual and Performing Arts (FSVP)**

The field of visual and performing arts considers questions having to do with the forms, traditions, meaning, and historical contexts of works in visual and performance media and explores issues of method, process, and personal resources in the media.

Courses satisfying this requirement are centrally concerned with the roles of creation and interpretation in the study of art. They develop in students an enhanced understanding of art both by fostering their intellectual appreciation of works of art and by involving them in the creative process. These courses are suffused with the notion that the arts are a powerful and profound influence on human perception and understanding.

## CONCLUSION

In addition to the fundamental educational experiences represented by these requirements, the faculty recognizes that thoughtful reflection upon an even wider range of topics and issues such as those that pertain to gender, race, ethics, international perspectives, and other matters, is an important component in the education of Richmond students. While some of these topics and issues may be addressed in one or another course in the general education curriculum, the faculty feels strongly that they are best treated — sometimes focally, sometimes incidentally — within many different courses, outside as well as inside that curriculum. By addressing them in a variety of ways, from a variety of viewpoints, and with a variety of voices across the entire curriculum, the faculty as a whole will ensure that students are aware of the many complex and serious ways in which these issues touch their lives and the lives of others.

**Note:** Courses meeting general education requirements are approved by the General Education Committee and denoted with the appropriate code following the course description in this catalog, as well as in the schedule of classes, published each semester on BannerWeb. A course will only meet the general education requirement if approved and the corresponding code is noted on the schedule of classes for the semester in which the class is completed. The codes are as follows:

COM1 - Communication Skills -  
Expository Writing

COM2 - Communication Skills - Second Language

CORE - First-Year Core Course

FSHT - Field of Study: Historical Studies

FSLT - Field of Study: Literary Studies

FSNB - Field of Study: Natural Science,  
Biological Sciences

FSNC - Field of Study: Natural Science, Chemistry

FSNP - Field of Study: Natural Science, Physics

FSSA - Field of Study: Social Analysis

FSSR - Field of Study: Symbolic Reasoning

FSVP - Field of Study: Visual and Performing Arts

## SUMMARY OF GENERAL EDUCATION REQUIREMENTS

Courses used to satisfy the First-Year Core Course and the communication skills requirements of the general education requirements may not be used to meet the fields-of-study requirements for the degree. The First-Year Core Course must be taken in the first year of matriculation. The Communication Skills I requirement is normally met in the first year of university study and should not be postponed beyond the second year.

### A. First-Year Core Course

A student may satisfy this requirement by passing CORE 101-102.

### B. Communication Skills I - English 103

A student may satisfy this requirement by meeting one of the following alternatives:

1. Completing English 103 with a grade of C (2.0) or higher.
2. Presenting a score of 4 or 5 on the Advanced Placement exam in English taken prior to initial enrollment (carries 1 unit of credit).
3. Presenting a score of 5, 6, or 7 on the IB Higher Level English A exam (carries 1 unit of credit).
4. Presenting an acceptable score on the SAT Writing Test taken prior to initial enrollment (carries no credit).
5. Presenting an acceptable ACT composite score or ACT Writing score (carries no credit).

*Only alternatives 1, 2, and 3 carry unit credits toward a degree.*

### C. Communication Skills II - Second Language

A student may satisfy this requirement in a modern or classical language by meeting one of the following alternatives:

1. Passing the intermediate (221 or 202) level of one language (credit varies from 1-2 units depending on the intensity of the courses).
2. Presenting a score of 3, 4, or 5 on a modern language Advanced Placement exam taken prior to initial enrollment (student would receive an exemption, but no credit, for a score

of 3; the credit varies for a score of 4 or 5); presenting a score of 4 or 5 on the Latin Advanced Placement exam (carries 1 unit of credit).

3. Presenting a score of 5, 6, or 7 on an IB Higher Level exam in a modern language (credit varies).
4. Presenting an acceptable score on the SAT-II Subject Test - Language taken prior to initial enrollment (carries no credit).
5. Achieving an acceptable score on a departmental placement exam (carries no credit).
6. For nonnative English speakers, obtaining an acceptable score on the TOEFL (carries no credit).

## D. Fields of Study

A student may satisfy the fields-of-study requirements by passing one approved course in each of the areas of historical studies, literary studies, social analysis, symbolic reasoning, visual and performing arts, and the natural sciences. Such courses must have been approved by the General Education Committee and the faculties of the schools of Arts and Sciences, Robins School of Business, and Jepson School of Leadership Studies as meeting these requirements.

Courses meeting general education requirements are designated in this catalog following the course description, as well as in the list of classes on the Web site. All courses used to meet general education requirements must be passed with a grade of D- (.7) or higher, with the exception of English 103, which requires a C (2.0) or higher. No general education courses may be taken pass/fail.

# Summary of Degree Requirements

## I. GENERAL EDUCATION REQUIREMENTS

|                        | Type of Requirement               | Units                        |
|------------------------|-----------------------------------|------------------------------|
| First Year Core Course | Core Course (CORE 101 & CORE 102) | 2 units                      |
| Communication Skills   | Expository writing (COM1)         | 1 unit (a)                   |
|                        | Second language (COM2)            | up to 4 units (a)            |
|                        | Oral communication                | noncredit (b)                |
| Fields of Study        | Historical studies (FSHT)         | 1 unit                       |
|                        | Literary studies (FSLT)           | 1 unit                       |
|                        | Natural science (FSNB/FSNC/FSNP)  | 1 unit                       |
|                        | Social analysis (FSSA)            | 1 unit                       |
|                        | Symbolic reasoning                | 1 unit                       |
|                        | Visual and performing arts (FSVP) | 1 unit                       |
|                        |                                   | <b>Total: up to 13 units</b> |

a. May be satisfied by a demonstration of proficiency upon entrance to the University without carrying credit (Language courses carry variable credit).

b. Described in preceding text.

## II. WELLNESS REQUIREMENT

In keeping with the University's objective of fostering knowledge and personal wellness, every undergraduate at the University of Richmond is required to complete a three-part series on wellness. The wellness series covers 1) an alcohol awareness program called URAWARE and 2) a choice of two mini-workshops on health and wellness-related topics such as nutrition, sexual health, and fitness, called the Plus2 program. The URAWARE component, Wellness 085, is to be taken and satisfactorily completed in the first semester of matriculation. Students who have not satisfactorily completed WELL 085 by registration for the spring semester of their second year will have an administrative hold put on their record and will not be able to register until they have made arrangements to take the class. The Plus2 component, Wellness 090, is strongly urged to be taken and satisfactorily completed before or during the third year.

URAWARE (WELL 085)..... noncredit  
Plus2 (WELL 090, two topics of choice) ...noncredit

## III. LIBRARY AND INFORMATION SKILLS

Students must complete two library and information skills workshops, Library 100 and 101, during their first year. They are hands-on workshops: Library 100 emphasizes the use of the libraries' Web page, the library catalog, and the Expanded Academic Index database; Library 101 focuses on issues related to academic integrity. Students who have not satisfactorily completed both Library 100 and 101 by registration for the fall semester of their third year will have an administrative hold put on their record and will not be able to register until they have made arrangements to take the class.

LIB 100..... noncredit  
LIB 101..... noncredit

## IV. COMPLETION OF A MAJOR

All undergraduate degrees at the University of Richmond require satisfactory completion of one major. Multiple majors and/or minors may also be pursued and upon completion will be recorded on the permanent academic record.

The major is a field of academic study chosen as an area of specialization. A major may be in a subject area and will include courses in that subject area along with courses prerequisite to those required courses and may also include designated courses outside the subject area. Interdisciplinary programs will include courses from a number of different subject areas. Majors require between 9 and 18.5 total units, counting all courses both inside and outside the subject area, including all prerequisites for those courses. (See the section for each school for specific major or minor requirements.)

The School of Arts and Sciences offers the Bachelor of Arts and the Bachelor of Science degrees. The Robins School of Business offers the Bachelor of Science in Business Administration degree. The Jepson School of Leadership Studies offers the Bachelor of Arts degree.

In addition to the degree requirements previously stated under Graduation, a candidate must satisfy major requirements outlined in the following sections.

Major Requirements..... 9-18.5 total units

## V. CURRICULUM AND ACHIEVEMENT

Undergraduate degree candidates must earn a grade point average of not less than 2.00 on all coursework attempted.

Candidates for the Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Business Administration must complete 35 units.

## VI. ADDITIONAL DEGREE REQUIREMENTS

- 17.5 unit on-campus residency requirement
- 28 unit residency requirement, to include work taken on approved exchange and study abroad programs and visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs
- Application for degree and attendance at Commencement
- Completion of financial and administrative obligations

# School of Arts and Sciences

## Academic Programs

The School of Arts and Sciences offers a majority of the courses taken by undergraduate students at the University. Even students who major in business or leadership studies take up to two-thirds of their courses, elective as well as general education courses, in the School of Arts and Sciences. The school provides a broad range of majors and offers numerous opportunities for interdisciplinary study. Such study takes many forms, from self-designed programs to interdisciplinary concentrations within traditional fields to fully developed interdisciplinary majors. Graduates today live in a world in which the ability to integrate knowledge and skills from a variety of disciplines is increasingly important. The School of Arts and Sciences fully recognizes this fact and is constantly working to create opportunities for students to integrate and apply what they are learning.

Engagement in active and interactive learning is the hallmark of education in the School of Arts and Sciences. Students are involved in guided independent study projects, collaborative research with faculty and other students, internships and other service-learning experiences, and artistic and creative projects. Active engagement enables students to assume increasing responsibility for their own learning and development and prepares them for life-long growth and adaptation to change.

The faculty of the school are committed, first and foremost, to teaching and learning and to the overall education and development of their students. Faculty take the advising and mentoring of students very seriously and meet frequently with their students and advisees to discuss course-related projects as well as career plans and long-term goals.

The school's faculty are also productive scholars and artists who introduce students to the excitement of research and creative activity. As distinguished scholars, scientists, artists and practitioners, they are able to teach by example as well as by precept.

By graduation, arts and sciences students are well-prepared for further study in graduate or professional schools and for employment in a variety of fields, in-

cluding healthcare, government, business, law, and nonprofit work. The knowledge and skills fostered by a liberal arts education serve students well in the world of work, as well as in their personal lives. In addition, an education in the School of Arts and Sciences prepares students to become well-informed and thoughtful citizens, to be able to contribute to the lives of others, and to help advance the society of which they are a part.

## CURRICULUM REQUIREMENTS

The School of Arts and Sciences offers the Bachelor of Arts and the Bachelor of Science degrees.

In addition to the degree requirements previously stated under Graduation, a candidate must satisfy major requirements outlined in the following pages.

**Course limitations**—Of the following, no more than the stated units of credit can count toward any degree in a given school:

- 3.5 units - Internship courses of whatever kind, excluding student teaching, legislative internship and Theatre 330-341 Practicum
- 1.5 units - Internship 388 taken in the same academic department

## BACHELOR OF ARTS

### I. Degree Requirements

To qualify for a Bachelor of Arts degree, students must complete the degree requirements listed previously, including general education requirements, wellness, library and information skills workshops, curriculum, achievement, and residency requirements, along with completion of the requirements for at least one major.

### II. Requirements for the Major

The major is a field of academic study chosen as an area of specialization. A major will include courses in a subject area\*, such other courses outside the subject area as may be designated, and any courses prerequisite to those required courses. Unless a special waiver of the Academic Council has been granted to a department or program and endorsed by the arts and

sciences faculty, a major will require 9 to 11 units in a single subject area, including all prerequisites within the subject area. In addition, a major will require no more than 15.5 total units, counting all courses both inside and outside the subject area, including all prerequisites for those courses. Majors in interdisciplinary programs will require a minimum of 9 units and no more than 15.5 total units, including all prerequisites.

In no case may a student count more than 17.5 units from a single subject area toward the minimum number of units necessary for graduation.

English 103, basic modern second language courses through the intermediate level, and the wellness and library and information skills requirements will not be counted toward the major. Classical languages are exempt from this exclusion.

A student may concurrently fulfill the requirements of more than one major. To initiate more than one major, the student should declare the majors in the manner currently provided. Upon graduation, only one degree will be conferred\*\*, but each completed major will be recorded on the student's permanent academic record, provided the student has listed the major on the degree application and is certified to have completed all of the requirements specified for the given major.

If a student's major(s) and other coursework can be arranged to meet the requirements for either the Bachelor of Arts degree or the Bachelor of Science degree, no more than one degree has been earned; however, the student must specify which degree is desired. Any major associated with a degree not chosen shall be recorded according to the provisions previously stated.

Specific major requirements may be found under the appropriate academic department listing in the Curricula section. In that section, the requirements are presumed to be for the Bachelor of Arts degree unless otherwise stated. For a description of the minor option, see that heading in the Interdisciplinary Programs section of this chapter.

\* *Subject area refers to coursework listed under a single specified rubric.*

\*\* *Students interested in earning more than one undergraduate degree should refer to the Second Undergraduate Degree section.*

## BACHELOR OF SCIENCE

### I. Degree Requirements

The requirements are the same as for the B.A., except proficiency in calculus also must be demonstrated by passing Mathematics 212 or 232 (cannot be taken pass/fail) or completing the Advanced Placement test with an acceptable score.

### II. Requirements for the Major

The provisions listed under the B.A. apply. The B.S. is offered only in biochemistry, biology, chemistry, computer science, environmental studies, interdisciplinary studies, mathematics, mathematical economics, physics, interdisciplinary physics, and psychology. For differences in the major requirements for the degrees, consult the appropriate departmental description under Curricula.

A major will include courses in a subject area, such other courses outside the subject area as may be designated, and any courses prerequisite to those required courses. (See note under Bachelor of Arts for definition of subject area.) Unless a special waiver by the Academic Council has been granted to a department or program, and endorsed by the faculty, a major will require 9 to 13 units in a single subject area, including all prerequisites within the subject area. In addition, a major will require no more than 18.5 total units, counting all courses both inside and outside the subject area, including all prerequisites for those courses and Calculus II. The interdisciplinary studies program will require a minimum of 9 units and no more than 18.5 total units, including all prerequisites.

In no case may a student count more than 17.5 units from a single subject area toward the minimum number of units necessary for graduation.

## DEGREE CREDIT FOR PROFESSIONAL STUDIES

Professional studies in medicine, dentistry, or law may be substituted for the fourth year of academic work under the following conditions:

- At the end of the second year, the student must have completed at least 17.5 units of academic work with at least a 3.0 GPA.
- Before registering for the third year in the School of Arts and Sciences, the student's course of study



must be approved by the dean of the student's school (dean of Richmond College for men or dean of Westhampton College for women).

- At the end of the third year, the student must have completed at least 29 units of academic work with at least a 3.0 GPA.
- During the first year in a professional school, the student must make satisfactory progress toward achieving the professional degree as certified by the professional school.

Under the above conditions, the student's professional work may be offered in lieu of certain degree requirements. A candidate for a B.A. may offer, for example, the first year's work in an accredited law school in lieu of 5 units of related subjects in the major and 2 units of elective subjects. A candidate for a B.S. may substitute the first year's work in an accredited medical or dental school for a maximum of 2 units in the major and the remaining work for elective courses.

## Dual-Degree Engineering Programs

In cooperation with selected engineering schools, the University offers the opportunity for students interested in engineering careers to earn two bachelor's degrees in five years, one from the University of Richmond and another from a cooperating engineering school. In the 3-2 Engineering Program, a student spends three years at Richmond, completing all of the general education requirements, almost all of the requirements for a major in physics, plus selected other courses. The student spends the remaining two years at the engineering school. The School of Engineering and Applied Science at George Washington University is a participant. The University of Richmond's physics department's pre-engineering advisor can provide information about participating programs and requirements.

## SPECIAL PROGRAM OPPORTUNITIES

### Honors Program

Outstanding students with intellectual initiative and the desire to pursue academic achievement beyond standard coursework have the opportunity to broaden and deepen knowledge in selected major fields through the Honors Program. Departmental honors coordinators invite promising qualified majors to apply, but

an interested student may contact his or her major department or the faculty committee on the Honors Program to indicate interest and obtain further information. To qualify, a student should have at least a 3.30 cumulative grade point average, 18 or more units completed and, excluding coursework primarily for first-year students, 3.5 or more units completed with distinction in the major field. Successful completion of an Honors Program is shown on the student's permanent academic record and on the diploma.

## Languages Across the Curriculum (LAC)

The Languages Across the Curriculum program allows students to use their language skills and other cultural perspectives to enhance learning and research in all disciplines. Certain courses in the School of Arts and Sciences, Jepson School of Leadership Studies, and the Robins School of Business are offered in conjunction with a Languages Across the Curriculum component, an optional quarter unit of work in a second language associated with a regular class. The LAC component is worth one quarter unit and is graded pass/fail. To find a LAC section, look for courses marked "LAC credit available" or go directly to each semester's listings under Languages Across the Curriculum. The following departments have recently offered courses with LAC sections: English, history, leadership studies, modern literatures and cultures, music, and philosophy. More LAC sections are being developed in other departments. For further information, contact the LAC program coordinator.

## INTERDISCIPLINARY PROGRAMS

### Self-Designed Interdisciplinary Studies Major

Under the general supervision of two faculty advisors and the coordinator of interdisciplinary studies, the University offers a self-designed interdisciplinary major. The interdisciplinary major provides a student the opportunity to propose and pursue, with faculty supervision, a unique program of study leading to either a Bachelor of Arts or a Bachelor of Science degree with a major in interdisciplinary studies. A senior thesis, which is the culmination of the major and for which the student receives one unit, is required.

Applications and further information are available from the coordinator of interdisciplinary studies.

Applications are to be submitted to the coordinator of interdisciplinary studies by April 1 of the second year. At least a 3.00 cumulative grade point average is recommended.

## **Interdisciplinary Majors**

In addition to the self-designed interdisciplinary major, the School of Arts and Sciences offers support for interdisciplinary study through a number of interdisciplinary programs that offer majors within the Bachelor of Arts degree. They are American studies, classical civilization, cognitive science, criminal justice, environmental studies, international studies, and women, gender, and sexuality studies. Environmental studies, interdisciplinary physics, and mathematical economics are the interdisciplinary major options within the Bachelor of Science degree. Further information is available from the program coordinators listed under each program.

## **International Studies Major**

International studies is a cross-cultural, interdisciplinary major composed of six areas of concentration, of which the student selects one. The concentrations are Africa, Asia, international economics, Latin America, modern Europe, and world politics and diplomacy. Further information is available from the program coordinator.

## **Interdisciplinary Concentrations**

The School of Arts and Sciences offers a series of curricular configurations known as interdisciplinary concentrations within disciplinary majors or minors. Instead of constituting stand-alone majors or minors, these concentrations are tied closely to selected majors, thus fostering an integrated learning experience that offers depth in a traditional discipline combined with breadth in interdisciplinary study. Current interdisciplinary concentrations include arts management (for art history, studio art, dance, music, and theatre majors or minors); comparative literature (for English majors); medieval and Renaissance studies (for art history or English majors); and neuroscience (for biology or psychology majors). An interdisciplinary concentration within a disciplinary major toward a B.A. will require no more than 21 total units, counting all courses and including all prerequisites for those courses. An interdisciplinary concentra-

tion within a disciplinary major toward a B.S. degree will require no more than 22 total units, counting all courses and including all prerequisites for those courses and Calculus II. For specific descriptions and requirements, refer to the Interdisciplinary Concentrations section.

## **Internship Program**

Internships provide students with supervised opportunities to understand by direct experience how skills and theories learned in the classroom are applied in business, industry, community agencies, and government. Each internship must include an academic base, such as an appropriate reading list or other resources, which demonstrates or stresses the interrelatedness of the academic background with the selected workplace.

Internships are usually limited to junior or senior students who must have the prior approval of the department concerned. No more than 3.5 units of internship courses of any kind nor more than 1.5 units of Internship 388 taken in the same department may be counted toward a School of Arts and Sciences degree. Student teaching, legislative internship and Theatre Arts 330-341, Practicum, are not included in this policy.

Further information is available from the chair or coordinator of the appropriate department or program.

## **Visiting Away Programs**

Students who wish to study away from the University of Richmond for a semester or year and maintain active status must participate in a program that has been approved for visiting away status. Students leaving the University on any program that does not carry visiting away status must withdraw from the University and apply to the appropriate dean for readmission.

Visiting away programs are approved by the academic council of the appropriate school and the Office of the University Registrar, which maintains a list of approved visiting away programs. This list is subject to change and will be reviewed on a periodic basis. (A program that is approved for one student will not necessarily be approved for another student since the decision is based not only on the academic reputation of the program, but also on the relevancy of the program to the student's individual academic program.)

Students wishing to participate in an approved domestic program must submit a copy of their letter of

acceptance to the program, a completed Transfer Approval Form and a completed Visiting Away Approval Application Form to the Office of the University Registrar. Upon receipt of these documents, the student will be enrolled with an off-campus (OF) enrollment status. For study abroad programs, a subcommittee of the International Education Committee will review student petitions. If a student's petition is approved, the Office of International Education will notify the Office of the Registrar to enroll the student in an abroad (AB) enrollment status. (Students seeking AB status should consult the Office of International Education for complete instructions.)

Enrollment in OF or AB status entitles the student to remain as an active Richmond student, which entitles him or her to benefits of priority registration, housing, certain types of financial aid (e.g., loans and Pell Grants), library access, mailbox, and e-mail account. Students with OF or AB status will not be billed for tuition as Richmond students during the semester(s) away.

Credits from visiting away programs will be treated as transfer credits, requiring transfer approval and affecting units toward graduation. The credits are not calculated in the GPA and require a C or better to transfer. Credits are applied to the student's record only upon receipt of an official transcript from the sponsoring institution. Exceptions to this would be programs in which the decision is made to partner with the sponsoring institution, in which case the courses would be listed as Richmond courses on the transcript and the grades treated as having been earned at Richmond. Approval for such programs would be submitted through the same channels as outlined above.

## Marine Studies

The University of Richmond Department of Biology and the Duke University Marine Laboratory (DUML) offer a program supplement in marine science. Instruction is given by DUML and may be accepted as transfer credit in the student's University of Richmond program. Further information about the program can be obtained from the University of Richmond Department of Biology.

## Master's Degree, Early Beginning

University of Richmond students who are near completion of the undergraduate degree may begin study in a master's degree program in the University's Graduate School of Arts and Sciences. Please see the Academic Procedures section for further details.

## Minor Option

A minor is a secondary academic specialization that may be sought in addition to the required academic major. A minor consists of at least 4.5 units and may include certain other requirements as specified by the academic department concerned. A student may elect to complete more than one minor in the degree program. The minor is declared in the same manner as the major. Upon graduation, each completed minor will be recorded on the student's permanent academic record, provided the minor is listed on the degree application form and the requirements have been met. Many academic departments offer a minor. The requirements in the minor, for the departments in which the minor is available, are presented under the appropriate departmental listing in the Curricula section.

## Research Grants for Undergraduates

Each year the School of Arts and Sciences offers its students unusual opportunities for research projects. Grants are awarded by the Undergraduate Research Committee to support research projects in a variety of ways such as the purchase of materials and equipment, travel or other such expenses and presenting or publishing the results of the research. The grant may be awarded for a project that is the student's own idea or an idea that has been conceived in cooperation with a faculty member; in any case, there must be a faculty member who is willing to supervise the project. Generally, the project is approved for academic credit, and often the student and the faculty member will coauthor one or more professional papers on the work. Application forms and further information are available from the associate dean of the School of Arts and Sciences, whose office is in the administrative wing of Boatwright Library, or through the departmental chair of the department in which the project is to be supervised.

# Curricula

## AMERICAN STUDIES

*Douglas Winiarski, Coordinator (Religion)*

American studies is an interdisciplinary program that provides students with opportunities to combine courses on the anthropology, art, history, journalism, literature, music, philosophy, politics, religion, and sociology of the United States into a single major. The requirements for the program emphasize student initiative in crafting a distinctive program of study that meets the academic interests of each major. Students may choose to focus on race and ethnicity studies in the United States, a discrete time period, or a distinctly multidisciplinary methodological approach. The opportunities to develop a unique program of study, therefore, are as diverse as the students who elect to major in American studies.

The American studies major consists of nine courses, including AMST 201, a topical survey open primarily to first-year students and sophomores, and AMST 400, a capstone seminar that explores theories and methods in the field. Majors work closely with the program coordinator and a faculty advisor to determine a specialized course of study for the remaining seven electives. These courses must be drawn from at least three departments and revolve around a coherent issue, theme, time period, or methodological approach to United States culture and society. Four of these electives must be taken at the 300 level or higher. Introductory courses for departments are ineligible. Students must complete all prerequisites for courses taken in allied departments in addition to the requirements for their American studies major. For a complete list of past, current, and upcoming AMST courses and electives, see the “Planning Your Program” link on the American studies Web site ([americanstudies.richmond.edu/](http://americanstudies.richmond.edu/)).

In addition, all students must complete a “Statement of Intellectual Interest & Projected Course of Study” application when they declare their American Studies major. This document consists of a one paragraph statement of intellectual interest in which prospective majors describe their academic goals and provide a list of existing courses that will help them

to meet those goals. A coherent course of study, for example, might focus on African American politics, history, and culture; art, literature, and music of the Jacksonian Era; class, social activism, and the urban built environment; gender politics and religious beliefs in the contemporary United States; transnational, multiethnic, and border crossing American identities; media and technology issues; or queer theory approaches to American theater and film. These are only a few of the many possible ways to combine courses in allied departments into a coherent course of study. Students are encouraged to exercise creativity and independence in determining which electives will count toward their major. For a complete list of statements by previous majors, see the American studies Web site.

The discipline of American studies increasingly emphasizes explorations of United States culture and society in relation to international politics, the global economy, and population migrations. For this reason, students who study abroad are strongly encouraged to pursue coursework related to their American studies majors.

In addition to completing the standard requirements for the major, qualified students may elect to write an honors thesis (AMST 401) during the spring semester of their senior year. Theses are written under the supervision of a sponsoring faculty member and require the prior approval of a formal prospectus submitted to the American studies advisory council before November 15.

Students interested in learning more about the American studies major are encouraged to contact the program coordinator for more information.

### The American Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9 units, including

- AMST 201 Introduction to American Studies
- Seven electives, chosen in consultation with the faculty advisor, including four at 300 level or higher
- AMST 400 Seminar in American Studies

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## Courses

### AMST 201 Introduction to American Studies

Surveys multidisciplinary approaches to American studies with specific emphasis on methodologies, sources, themes, and major ideas. *1 unit.*

### AMST 381 Community Problem Solving Seminar

Combines community internship with reading and discussion about community problems from multidisciplinary perspectives. *Prerequisites:* American Studies 201 and permission of program coordinator and faculty supervisor. *1 unit.*

### AMST 398 Selected Topics

Varying interdisciplinary topics related to American studies. Area of study will vary according to instructor and course topic. *1 unit.*

### AMST 399 Independent Study

Individually designed reading or research program conducted under faculty supervision. *Prerequisites:* American Studies 201 and permission of program coordinator and faculty supervisor. *.5-1 unit.*

### AMST 400 Seminar in American Studies

Advanced seminar that examines the historical, methodological, and theoretical development of American studies as an academic discipline. Offered fall semester only. *Prerequisites:* American Studies 201 and junior or senior status. *1 unit.*

### AMST 401 Thesis

Thesis project designed, researched, and written by students under faculty supervision. Offered spring semester only. *Prerequisites:* American Studies 201, senior status, 3.5 grade point average within the major, and a prospectus with bibliography approved by the American studies advisory council. *1 unit.*

## ANTHROPOLOGY

### *Department of Sociology and Anthropology*

*Joan Neff, Chair*

*Associate Professors Hass, Neff, Nourse, Obi, Wharton*

*Assistant Professors French, O'Brien, Ransom*

*Professionals from the field also are employed as adjunct faculty.*

The major in anthropology stresses cultural anthropology, the study of contemporary and historically recent human societies around the world. Specifically, cultural anthropology focuses on the ways in which various individuals and groups (societies) construct their ideas (culture) about the world and the ways in which these ideas influence how various people behave. Courses in anthropology compare diverse cultures to ascertain their similarities as well as their differences. Some courses in cultural anthropology study particular regions of the world and the way in which those peoples construct their realities and find meaning in their lives. Other courses in cultural anthropology select various dimensions of human life - family, gender, religion, politics, art, etc., and examine how one of these subjects relates to all the other dimensions in one particular culture or across cultures in general.

## The Anthropology Major

**Note:** The grade point average of the anthropology coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

10.5 units, including

- ANTH 101 Introduction to Cultural Anthropology
  - ANTH 211 Introduction to Ethnographic Field Methods
  - ANTH 290 Theoretical Foundations of Cultural Anthropology
  - ANTH 400 Senior Thesis Proposal
  - ANTH 401 Capstone Seminar
  - At least two regional courses from List A
  - At least two topical courses from List B
  - Two electives from either List A or List B
- Participation in an approved study abroad experience of at least six weeks in duration

*Notes:*

- Upper-level courses are taught on a rotating basis.
- Students must achieve a grade of C or better in both ANTH 211 and ANTH 290 in order to take 400-level courses in the department and to receive credit toward the major for courses taken outside the department.

- One regional or one topical course may be taken in a department outside of sociology and anthropology with departmental approval.
- Two regional and/or topical courses may be taken at study abroad institutions with departmental approval.
- No more than three study abroad courses may count toward the major requirements.
- Students are expected to fulfill all prerequisites necessary for courses within the major/minor. Prerequisites do not count toward the major/minor unless otherwise noted.

## The Anthropology Minor

**Note:** The grade point average of the anthropology coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 units, including

- ANTH 101 Introduction to Cultural Anthropology
- Four additional units in anthropology

### List A: Regional Courses

- ANTH 279 Selected Topics (as approved by department)
- ANTH 307 Indigenous Peoples of the Americas
- ANTH 308 Latin America: An Ethnographic Perspective
- ANTH 338 Africa: Cultural Change in a Post-Colonial Setting
- ANTH 339 Pacific Island Cultures and Ethnographies
- ANTH 340 Southeast Asia: Cultural Representations
- ANTH 379 Selected Topics (as approved by the department)
- SOC 230 Introduction to the Study of Africa

### List B: General Anthropology Courses

- ANTH 238 Anthropology of Human Rights
- ANTH 279 Selected Topics (as approved by department)
- ANTH 300 Sexuality and Gender Across Cultures
- ANTH 304 Ritual, Witchcraft and Divination
- ANTH 336 Politics, Power and Ritual
- ANTH 379 Selected Topics (as approved by department)
- ANTH 388 Individual Internship

- ANTH 426-427 Directed Independent Study
- ANTH 489 Research Practicum

## Courses

### ANTH 101 Introduction to Cultural Anthropology

Examines how people make cultural meaning out of their lives and explores the way in which anthropologists come to understand other people's construction of culture. Cross-cultural perspective on family, kinship, language, religion, gender and sexuality, and other aspects of social life. *1 unit. (FSSA)*

### ANTH 211 Introduction to Ethnographic Field Methods

Introduces the methodologies used in cultural anthropology, as well as theories behind these methodologies. Issues of objectivity, ethical research and presentation, the political nature of the production of knowledge, positioning the researcher, and the uses to which training in ethnographic methods might be put. *Prerequisite:* Anthropology 101. *1 unit.*

### ANTH 279 Selected Topics in Anthropology

Various topics in the field of anthropology. May be repeated for credit if topics are different. *Prerequisite:* Anthropology 101. *1 unit.*

### ANTH 290 Theoretical Foundations of Cultural Anthropology

History of cultural and social anthropological thought, major theoretical perspectives and contemporary issues as to how humans construct their social worlds. *Prerequisite:* Anthropology 101. *1 unit.*

### ANTH 300 Sexuality and Gender Across Cultures

Theoretical and ethnographic examination of masculinity and femininity within various worldwide cultures. *Prerequisite:* Anthropology 101. *1 unit.*

### ANTH 304 Ritual, Witchcraft & Divination

Examines the ways ritual, witchcraft and divination permeate all societies and cultures throughout the world. Includes discussions of shamanism and drug use for religious purposes, as well as voodoo, cults, and New Age healing. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 307 Indigenous Peoples of the Americas**

Historical development, culture, relations with governments and international organizations, and current issues of indigenous peoples throughout the Americas, including the U.S. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 308 Latin America: An Ethnographic Perspective**

Anthropological overview of Latin American cultures and subcultures. Considers indigenous and African-descendants' rights, local and national politics, gender relations, perspectives on race and color, religion, urban/rural distinctions, migration, colonial dynamics, and post-colonial legacies. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 328 Anthropology of Human Rights**

Examines the origins of human rights discourse and practice in the 20th century and the elaboration and dissemination of human rights concepts in the post-World War II period, including analysis of institutional grounding in United Nations and non-governmental organizations. Considers human rights from a cross-cultural, anthropological perspective. *Prerequisite:* Anthropology 101, International Studies 290, Political Science 240, Political Science 250, Political Science 260, Sociology 101, or Leadership Studies 101. *1 unit.*

**ANTH 336 Politics, Power and Ritual**

Power, authority, and conflict in cross cultural perspective. Theoretical and ethnographic examination of themes in political and legal anthropology. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 338 Africa: Cultural Change in a Post-Colonial Setting**

Theoretical and ethnographic examination of history, economics, kinship, religion, and gender in various pre-and post-colonial African contexts. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 339 Pacific Island Cultures and Ethnographies**

Theoretical and ethnographic examination of history, economics, kinship, religion, and gender in various pre-and post-colonial contexts in Melanesia, Polynesia, and Micronesia. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 340 Southeast Asia: Cultural Representations**

Theoretical and ethnographic examination of Orientalism through classic and contemporary representations of Southeast Asia and its peoples. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 379 Selected Topics**

Various topics in the field of anthropology, such as sex and gender in the Middle East. May be repeated for credit if topics differ. *Prerequisite:* Anthropology 101. *1 unit.*

**ANTH 388 Individual Internship**

Supervised independent field work. Requires permission of a supervising faculty member and approval by the department chair. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisites:* Anthropology 101 and permission of instructor. *.5 unit.*

**ANTH 400 Senior Thesis Proposal Seminar**

Preparation course for senior thesis in which students conduct research, write annotated bibliography, write proposal, and submit proposal to Institutional Review Board for the senior capstone thesis in the spring. *Prerequisites:* Anthropology 211 and Anthropology 290 with a grade of C or better and permission of instructor. *.5 unit.*

**ANTH 401 Capstone Seminar**

Preparation of senior thesis to complete anthropology major. *Prerequisite:* Anthropology 400. *1 unit.*

**ANTH 426-427 Directed Independent Study**

Intensive study of a specific topic within anthropology under the direction of a member of the faculty. Requires approval by the department chair. *Prerequisites:* Anthropology 211 and Anthropology 290 with a grade of C or better. *.5-1 unit.*

**ANTH 489 Research Practicum**

Work closely with professor on research project, including design, data collection, data analysis, and dissemination of results. Requires permission of a supervising faculty member and approval by the department chair. *Prerequisites:* Anthropology 211 and Anthropology 290 with a grade of C or better. *.5-1 unit.*

## ARABIC

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### *Department of Modern Literatures and Cultures*

*Martin Sulzer-Reichel, Director of Arabic Language Program*

This section contains information specific to the program in Arabic. For full information regarding departmental policies relevant to all MLC programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### Study Abroad

Study and travel abroad are strongly encouraged for all students. For students of Arabic, the department offers a summer study program in Jordan. Exchange agreements for study during the academic year in Jordan are being negotiated. For a complete list, contact the Office of International Education.

### Courses

#### **ARAB 101-102 Introduction to the Arabic Language and Culture**

Introduction to Arabic language and culture, which are fundamental for any modern Arab society; development of skills in listening, speaking, reading and writing. *Prerequisite:* Arabic 101 is the prerequisite to Arabic 102. *1-1 unit.*

#### **ARAB 121 Intensive Introduction to Arabic Language and Culture**

Introduction to Modern Standard Arabic as well as spoken modern Arabic. Development of basic reading, writing, and speaking skills. Introduction to Arabic history and culture, which are fundamental for any modern Arab society. *2 units.*

#### **ARAB 201-202 Intermediate Arabic Language and Culture**

Continuation of Arabic 101-102 or Arabic 121 with deepening of Arabic grammar, further development of reading, writing, and speaking skills in Modern Standard Arabic, as well as in current dialects of the Levantine or Egyptian variety. Continuation of the introduction to Arabic history and culture, with a concentration on developments in the 18th through 20th centuries. *Prerequisite:* Arabic 102 or 121 is the prerequisite to Arabic 201. Arabic 201 is the prerequisite to Arabic 202. *1-1 unit. (202 only, COM2)*

#### **ARAB 301 Arabic in the Media**

Deepens and refines students' knowledge of the grammatical structures of the Arabic language with a focus on comprehension and discussion of texts taken mainly from Arabic news media. Part of the course will be devoted to building the students' familiarity with regional dialects (Egyptian or Levantine Arabic) and strengthening oral proficiency skills. *Prerequisite:* Arabic 202. *1 unit.*

#### **ARAB 302 Arabic in Literature**

Continues to build students' knowledge of Arabic language and culture. Course materials include readings from contemporary short stories, excerpts from novels, and poetry. As an initial introduction to Arabic literature, the course emphasizes writing and speaking in Modern Standard Arabic, thus modeling the language spoken at international conferences. In an additional session per week, students will practice their debating skills in Arabic in the form of a mini colloquium. *Prerequisite:* Arabic 301 or permission of department. *1 unit.*

## ART HISTORY

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### *Department of Art and Art History*

*Mark Rhodes, Chair  
Professor Addiss*

*Associate Professors Denton, Rhodes, Sjovold, Softic'  
Assistant Professors Calvillo, Drummond, Pevny  
Executive Director of the University Museums Waller  
Professionals from the fields in art are also employed as  
adjunct faculty members.*

The Department of Art and Art History offers programs in the studio arts, Western and non-Western art history, and museum studies. In the Modlin Center for the Arts, students work in an environment where they can develop their intellectual and creative abilities to the fullest potential. In addition to a rigorous and stimulating curriculum, students also participate in the activities of the University Museums. The museums present exhibitions of both historical and contemporary art with related lectures, workshops, and symposia with visiting artists, critics, and art historians. A study abroad program allows students to study art and art history in approved programs under the direction of the Office of International Education. Because majors are required to develop a senior



project, it is recommended that prospective majors consult with the department early to allow adequate time for planning.

## The Art History Major

**Note:** A grade of not less than C (2.0) is required in each course comprising the major.

9 units, including

- ART 221 Survey I: Prehistory through the Middle Ages
- ART 222 Survey II: Renaissance to the Present
- Three 300-level courses in Western art history, including ART 319 Advanced Seminar, in the following fields
  - Late Antique and Medieval art
  - Renaissance and Baroque art
  - The history of art after 1700
- One non-Western art history course
- One studio art course
- ART 365 Art Theories and Methodologies
- ART 466 Thesis: Research Project

Students prepare their bibliography and thesis proposal to present to the art faculty at the end of the fall semester; thesis is completed during the spring semester.

Majors should take ART 221-222 before enrolling in 300-level art history courses. Independent studies cannot be substituted for required courses in the art history major.

In addition to the above, the following are strongly recommended to supplement the major:

- ART 388 Individual Internship
- CLSC 301 Greek Art and Archeology
- CLSC 302 Roman Art and Archeology
- PHIL 281 Philosophy of Art
- RELG 251 Sacred Arts of India

Note: These courses cannot be substituted for major requirements, which must be fulfilled through art history department offerings.

## Honors Program in Art History

Majors are encouraged to apply for and pursue the honors program in art history. To earn honors in art history, a student must complete at least three units of honors credit with distinction through a combina-

tion of upper-level courses including ART 365-466; the program must be planned in consultation with the student's major advisor and the department. Honors students also must maintain an overall GPA of no less than 3.30 and a 3.50 in the major, and receive a 3.70 on the thesis.

## Related Fields

- Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors
- Interdisciplinary concentration in Medieval and Renaissance studies for art history majors

## The Art History Minor

**Note:** A grade of not less than C (2.0) is required in each course comprising the minor.

6 units, including

- ART 221 Survey I: Prehistory through the Middle Ages
- ART 222 Survey II: Renaissance to the Present
- One art history elective at any level
- Two art history electives at the 300 level
- One studio art course

## Courses

### ART 212 Introduction to Asian Art

Introductory survey of the arts of India, China, Korea, and Japan in historical and cultural context. *1 unit.*

### ART 221 Survey I: Prehistory through the Middle Ages

Survey of Western art, with some attention given to non-Western art, from prehistoric times through the Middle Ages. Intended as introductory course for general student as well as art majors and minors. 221 and 222 may be taken independently and in any sequence. *1 unit.*

### ART 222 Survey II: Renaissance to the Present

Historical and analytical study of representative major works of art from Renaissance to the present for general student and art major. *1 unit.*

### ART 226 Art and Culture of Japan

Introduction to art and culture of Japan stressing interconnections between art, literature, and historical developments. *1 unit. (FSVP)*

**ART 279 Selected Topics**

Examples include African art, history of architecture, and other specialized topics. May be repeated for credit if topics differ. *Prerequisite:* Permission of instructor. *1 unit.*

**ART 282 Values in World Film**

Study of films from around the world centering on major themes, with focus on differing cultural values and film art and techniques. *1 unit.*

**ART 309 Image and Icon in Medieval Art**

Focuses on role of the panel painted image in Medieval world. Explores the conventions, aesthetics, and ideology of Medieval images, as well as their production, use and restoration. Provides introduction to techniques of medieval panel painting, and asks students to try their hand at the creative process. *1 unit.*

**ART 310 Late Antique and Early Christian Art**

Surveys artistic developments in the Mediterranean basin from the first to eighth centuries. Concerned with continuities as well as changes and innovations in visual culture associated with the rise of Christianity in the Roman Empire. *1 unit.*

**ART 311 Medieval Byzantine Art, 600-1453**

Focuses on art and architecture created in the eastern Mediterranean between the seventh century and the fall of Constantinople in 1453. Explores cultural dialogue among the Byzantine Empire and its Western European, Eastern European, and Islamic neighbors. *1 unit.*

**ART 312 Medieval Art in Western Europe, 8th-15th Centuries**

Surveys the rich and varied production of visual culture in Western Europe from early Middle Ages to beginning of the Renaissance. Considers the changing visual experiences associated with the Early Medieval, Carolingian, Ottonian, Romanesque, and Gothic periods. *1 unit.*

**ART 313 Art of the United States**

Art and architecture from 1800 to 1900. Examined in relation to cultural, political and social contexts of 19th-century America. *1 unit.*

**ART 314 Northern Renaissance Art**

Fifteenth- and 16th-century Northern Renaissance art from Van Eyck to Bruegel. *1 unit.*

**ART 315 Art of the Italian Renaissance**

A survey of Italian painting, sculpture, and architecture between 1250 and 1500, with emphasis on the historical context of particular objects or monuments. Students will examine primary sources whenever possible and consider issues related to the systems of patronage, spirituality, intellectual life, and art criticism of the period. *1 unit.*

**ART 316 Art in the Age of Reform**

Beginning with the Italian High Renaissance and ending with baroque art in early 17th-century Europe, this course considers artistic production during a period of religious, political, and cultural crisis. Lectures, readings, and discussions evaluate the agents, ideas, and circumstances that brought about the stylistic developments of mannerist and early baroque art. *1 unit.*

**ART 317 Nineteenth-Century Art**

Major art trends during the 19th century in Europe. Special attention given to representation of women in art and women artists. *1 unit.*

**ART 318 Twentieth-Century Art**

Major movements and developments of modern art in Europe and America. Examination of theoretical bases of modern art, concepts of avant-garde, and consideration of public's relationship to modern art. *1 unit.*

**ART 319 Advanced Seminar**

Highly focused in-depth studies on topics of art history related to departmental course offerings. Topics to be chosen by instructor. Representative topics: Zen art, contemporary art, Surrealism, women artists. May be repeated for credit if topic differs. *Prerequisite:* 300-level art history course in the area of the seminar or permission of instructor. *1 unit.*

**ART 322 Museum Studies**

History, philosophy, functions, and future of museums; collection research, evaluation, publications, and museum procedures and education. *Prerequisite:* 200-level art history course or permission of instructor. *1 unit.*

**ART 323 Studies in the History of Photography**  
Combines study of the photograph and its interpretation with consideration of technical developments. *1 unit.*

#### **ART 324 Art Histories**

Courses in areas of art history at a 300-level not covered in regular departmental offerings. May be repeated for credit if topic differs. *1 unit.*

#### **ART 345 Philanthropy in the Arts**

(See Music 345; same as Theatre 345.) *Prerequisite:* Art 322 or permission of the instructor. *1 unit.*

#### **ART 365 Art Theories and Methodologies**

Study of theoretical approaches and methods used in discipline of art history. Required for art history majors, recommended before the senior year. *Prerequisite:* Permission of instructor required for non-art history majors. *1 unit.*

#### **ART 378 Topics in Asian Art**

Examples include Japanese prints, painting, ceramics, Buddhist art, and Chinese calligraphy. May be repeated for credit if topic differs. *1 unit.*

#### **ART 383 East Asian Painting, Poetry and Calligraphy**

Intense study of how the three arts of painting, poetry, and calligraphy, practiced with the same materials of brush and ink, have been integrated for more than a millennium as “scholar arts” in East Asia, with both historical study and actual practice for students. *1 unit.*

#### **ART 388 Individual Internship**

Supervised work experience at approved museum, gallery or other art institutions. May be repeated for credit at a different institution. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of instructor. *.25-1 unit.*

#### **ART 395 Independent Study**

Individually designed program under faculty supervision. Independent studies cannot be substituted for required courses in the art history major. *Prerequisite:* Permission of instructor. *.25-1 unit.*

#### **ART 466 Thesis: Research Project**

Required for art history majors in their senior year. *Prerequisite:* Art History 365. *1 unit.*

## **STUDIO ART**

### *Department of Art and Art History*

*Mark Rhodes, Chair*

*Professor Addiss*

*Associate Professors Denton, Rhodes, Sjovold, Softic*

*Assistant Professors Calvillo, Drummond, Pevny*

*Executive Director of the University Museums Waller*

*Professionals from the fields in art also are employed as adjunct faculty members.*

The Department of Art and Art History offers programs in the studio arts, Western and non-Western art history, and museum studies. In the Modlin Center for the Arts, students work in an environment where they can develop their intellectual and creative abilities to the fullest potential. In addition to a rigorous and stimulating curriculum, students also participate in the activities of the University Museums. The museums present exhibitions of both historical and contemporary art with related lectures, workshops, and symposia with visiting artists, critics, and art historians. A study abroad program allows students to study art and art history in approved programs under the direction of the Office of International Education. Because majors are required to develop a senior project, it is recommended that prospective majors consult with the department early to allow adequate time for planning.

### **The Studio Art Major**

**Note:** A grade of not less than C (2.0) is required in each course comprising the major.

11 units, including

- ARTS 105 Foundation Color and Composition
- ARTS 106 Foundation Space and Time
- ART 221 Survey I: Prehistory through the Middle Ages
- ART 222 Survey II: Renaissance to the Present
- Four studio art electives
- One art history elective
- ARTS 360 Advanced Studio Seminar
- ARTS 465 Thesis Development

## Honors Program in Studio Art

Majors are encouraged to apply for and pursue the honors program in studio art. To earn honors in studio art a student must complete three units of honors credit with distinction through a combination of upper-level courses with thesis development and honors thesis exhibition. The program must be planned in consultation with the student's major advisor and the department. Honors students also must maintain an overall GPA of no less than 3.30 while in the program.

## The Studio Art Minor

**Note:** A grade of not less than C (2.0) is required in each course comprising the minor.

6 units, including

- ARTS 105 Foundation Color and Composition
- ARTS 106 Foundation Space and Time
- One unit, chosen from
  - ART 221 Survey I: Prehistory through the Middle Ages
  - ART 222 Survey II: Renaissance to the Present
- Three studio art electives

## Related Field

Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors.

## Courses

### ARTS 101 Drawing

Explores issues of form and visual composition, traditional and contemporary concepts in drawing, and problems of observational drawing. *1 unit. (FSVP)*

### ARTS 102 Design

Theories, perceptions, and interactions of color researched through painting, collage, and computer design. Projects incorporate basic principles of two-dimensional abstract design, composition, and digital art. *1 unit.*

### ARTS 103 Sculpture

Basic introduction to material and perceptual problems in sculpture. Explores problems of representational, abstract, and nonobjective sculpture. This

basic introduction to methods and concepts of sculpture will emphasize elements of three-dimensional design and composition. *1 unit. (FSVP)*

### ARTS 104 Art & Technology

An introduction to the field of art and technology. Students will produce original works of art using both traditional and digital artmaking tools while studying the perceptual impact of technology throughout history and within contemporary art and culture. No prior computer experience is necessary. *1 unit. (FSVP)*

### ARTS 105 Foundation Color and Composition

Provides students with a basic understanding of drawing skills, 2-dimensional design elements, color theory, and pictorial composition. Explores the relationship of composition and content through drawing and color projects. *1 unit. (FSVP)*

### ARTS 106 Foundation Space and Time

Provides students with a basic understanding of both time-based and space-based media. Training in basic skills of spatial perception and manipulation, as well as in the rudiments of time-based media, including video, sound, and animation. Exploration of sculpture, installation, time-based media, and interactive art. *1 unit. (FSVP)*

### ARTS 160 Basic Photography

Introduction to fundamental, technical, and aesthetic issues of black and white photography with emphasis on using medium for personal expression. Includes series of problems designed to increase understanding of basic camera operation, darkroom techniques, and artmaking strategies. History of photography will be included through study of past and contemporary photography. Camera with manually adjustable aperture and shutter speeds required. *Prerequisite:* Studio Art 101 or 102. *1 unit.*

### ARTS 205 Observational Painting

Introduction to practice of painting with emphasis on observational painting. Emphasizes working understanding of methods and materials of oil painting while investigating basic aspects of visual perception and how to assess subject, form, and content in a work of art. *1 unit. (FSVP)*

**ARTS 206 Explorations in Printmaking and Drawing**

Explores formal and conceptual problems through simultaneous or combined drawing and printmaking exercises. Promotes understanding of potential of graphic media, introduces new image-making techniques and concepts, including scale and sequence experiments and multi-technique works. Technical demonstrations and presentations precede individual studio projects. *1 unit. (FSVP)*

**ARTS 208 Figure Study: Drawing and Sculpture**

Explores the human figure in two- and three-dimensional media. Students investigate gesture, line, value, volume, surface modeling, and anatomy, as well as expressive, conceptual, and historical approaches in the study of the figure. *1 unit. (FSVP)*

**ARTS 209 Introduction to Visual Language**

Through sequence of individualized creative projects, explores relationship of meaning to visual form. In addition to studio projects in two- and three-dimensional media, students engage in research and experimentation with interdisciplinary emphasis. *1 unit. (FSVP)*

**ARTS 211 Materials and Techniques**

Explores historical and experimental artmaking materials and techniques. Topics to be covered will vary according to instructor. Studies may be two- and/or three-dimensional and relate to drawing, painting, printmaking, and sculpture processes. *1 unit.*

**ARTS 230 Comparative Ceramics**

Investigates the development of ceramic techniques and aesthetic traditions by studying the effects that can be discerned in the influence of one tradition over another. Most peoples in the history of humankind have produced some sort of ceramic artifacts, making this a very universal language. As peoples made increasing contact with one another, elements of these traditions were constantly being appropriated and transformed. *1 unit. (FSVP)*

**ARTS 234 Advanced Design**

Using color theory and principles of design, focuses on individual studio projects with emphasis on graphic design and digital artmaking. *Prerequisite:* Studio Art 102. *1 unit.*

**ARTS 260 Advanced Photography**

Explore different styles of photography through lectures, slides, critiques, and assignments. Introduction to black and white archival fiber-base printing process in addition to experimentation with different films, filters, papers and developers, and presentation techniques. *Prerequisite:* Studio Art 160. *1 unit.*

**ARTS 265 Post-Photography**

Introduction to the field of digital imaging within the context of contemporary art. Students will produce original works of art while studying the impact of technology upon human perception, visual art, and contemporary culture. Emphasis will be placed upon the ways in which digital technologies have transformed our understanding of traditional photographic media. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

**ARTS 275 Drawing Studio**

Explores abstract, conceptual, and process-based drawing. Investigates historical and experimental methods of drawing not covered in Studio Art 101, Drawing. May be repeated for credit. *Prerequisite:* Studio Art 101, 102, 205, 206, 208, or 209 or permission of instructor. *1 unit.*

**ARTS 276 Printmaking Studio: Book**

Examines the book as an art object. Introduces basics of bookbinding (Western and non-Western), printing, and basic typesetting skills, while working on individual and collaborative studio projects. Concepts explored include sequencing, text and image relationships, and content and structure relationship. Students research evolution of the artists' book and contemporary practice in this medium. *Prerequisite:* Studio Art 101, 102, 206, or 208. *1 unit.*

**ARTS 277 Printmaking Studio: Etching**

Focuses on techniques, methods, and formal and conceptual potential of intaglio (etching and engraving) and related print media. Includes the techniques of drypoint, mezzotint, line etching, aquatint, and printing in color. May be repeated for credit. *Prerequisite:* Studio Art 101, 206, or 208. *1 unit.*

**ARTS 278 Printmaking Studio: Lithography**

Focuses on the techniques, methods, and formal and conceptual potential of lithography and related print media. Includes both stone and plate lithography and alternative lithographic techniques. May be re-

peated for credit. *Prerequisite:* Studio Art 101, 206, or 208. *1 unit.*

### **ARTS 279 Selected Topics**

Examples include watercolor technique, plein-air landscape painting, installation art, landscape painting, nontraditional artmaking, and others as arranged by department. May be repeated for credit if topics differ. *Prerequisite:* Art 221 or 222 or permission of instructor. *1 unit.*

### **ARTS 280 Digital Art: Sound**

An intermediate-level investigation into time-based media, specifically sound-based art. Students produce original works of art that exist outside the visual realm and focus on sound as a perceptual tool for contemporary art production. Additional emphasis will be placed on historical, conceptual, and theoretical issues relating to sound within contemporary art and culture. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

### **ARTS 285 Digital Art: Video**

An intermediate-level investigation into time-based media, specifically digital video-based art. Students produce original works of art that use time as a perceptual tool while studying broader issues surrounding the video medium within contemporary art and culture. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

### **ARTS 288 Time-Based Media**

Intermediate-level investigation into the area of time-based media, including sound, video, and animation art. Students produce original works that use time as a perceptual tool while studying broader issues surrounding technology-based art and culture. This course will, at all times, emphasize non traditional and/or experimental approaches toward art production. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

### **ARTS 290 Digital Art: Animation**

An intermediate-level investigation into time-based media, specifically digital animation. Students will produce original works of art that incorporate drawings, still images, video, and sound into animated sequences. Additional emphasis will be placed on historical, conceptual, and theoretical issues relating to motion graphics within contemporary art and culture. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

### **ARTS 293 Sculpture Studio**

Individualized in-depth training in specific sculptural approaches, techniques, media, and concepts. Students choose to work from stone carving, wood carving, wood fabrication, metal fabrication, clay-work, plaster carving and fabrication, metal and plaster casting, and mixed media objects and installation. May be repeated for credit. *Prerequisite:* Studio Art 103, 106, 208, or 231. *1 unit.*

### **ARTS 295 Painting Studio**

Explores abstract, conceptual, and process-based painting. Students investigate historical and experimental methods of paintings not covered in Observational Painting (ARTS 205). May be repeated for credit. *Prerequisite:* Studio Art 101, 102, 105, 205, 206, 208, or 209. *1 unit.*

### **ARTS 296 Digital Studio: Net.Art**

An intermediate-level investigation into the area of Web-based art production. Students produce works of art that incorporate and merge various traditional and digital components into cohesive, original artworks for online publication. Additional emphasis will be placed upon conceptual, cultural, and theoretical issues surrounding the Internet within contemporary art and culture. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

### **ARTS 289 Interactive Art**

Intermediate-level investigation of interactive art, including performance, site-specific and Web-based art. Students produce original works that foreground interactivity while studying broader issues surrounding technology, art and culture. May emphasize non traditional and/or experimental approaches toward art production. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

### **ARTS 299 Digital Art: Installation**

An advanced-level investigation into media-based installation. Students propose and produce original works of art in digital photography, sound, video, animation, or any combination thereof. Emphasis will be placed on the ways in which the environment that houses a project becomes an integral component of the work. Additional emphasis will be placed on conceptual, cultural, and theoretical issues surrounding media-based installation within contemporary art. *Prerequisite:* Studio Art 104 or 106. *1 unit.*

**ARTS 360 Advanced Studio Seminar**

Development of an independent artistic practice as informed by a larger theoretical and cultural discourse. Students may work in any medium (or media) of their choice and will be responsible for independent research beyond required readings, presentations, and seminar discussions. *Prerequisite:* Studio Arts 101, 102, 103, 104, 105 or 106. *1 unit.*

**ARTS 388 Individual Internship**

Supervised work experience at approved artist's studio, museum, or gallery. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of instructor. *.25-1 unit.*

**ARTS 395 Independent Study**

Individually designed program under faculty supervision. *Prerequisite:* Permission of instructor. *.25-1 unit.*

**ARTS 465 Thesis Development**

Senior studio art majors create focused body of work and begin to clarify and establish future directions and resources for personal research and artmaking. Students prepare for midterm application for the Honors Thesis Exhibition course for a spring exhibition. *Prerequisites:* Studio art major, senior level, and Art 221 or 222. *1 unit.*

**ARTS 466 Honors Thesis Exhibition**

Graduating studio art majors are invited, based on a successful midterm review during the Thesis Development course, to enroll in the honors thesis to organize and present an exhibition of their art in the University art museum. Students complete a focused body of work presented in exhibition and participate in all aspects of the organization. The course also will cover the business of being an artist, including writing about and presenting one's art, résumé writing, exhibiting, and selling of work. *Prerequisites:* Studio Art 465 and permission of the department. *1 unit.*

## BIOCHEMISTRY AND MOLECULAR BIOLOGY

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*Ellis Bell (Chemistry), Co-Coordinator*

*April L. Hill (Biology), Co-Coordinator*

The biochemistry and molecular biology program is an interdisciplinary program based in the biology and chemistry departments, and is jointly administered by a coordinating committee consisting of several faculty from each department. The program is designed to offer a flexible route to either the B.A. or B.S. degree and actively encourages student participation in research, which may be conducted with faculty in either department. The flexibility of the program lends itself to combination with study abroad and outreach opportunities. The major is designed to prepare students for future study in biochemistry and molecular biology and related molecular life sciences or for employment in the biotechnology industry, or simply for students fascinated by the revolutions in the life sciences that are shaping our future.

### The Biochemistry and Molecular Biology Major

**Note:** A grade of C- (1.7) or better is required in each chemistry and biology course applied toward the major.

**For the Bachelor of Arts degree**

- 14 units, including
- BIOL 199 Introduction to Biological Thinking
  - BIOL 201 Genetics
  - BIOL 205 Cell Biology
  - CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
  - CHEM 205-206 Organic Chemistry
  - CHEM 309 Physical Chemistry
  - CHEM 322 Junior Seminar
  - BIOL/CHEM 327 Biochemistry with Laboratory
  - BIOL/CHEM 329 Protein Structure, Function and Biophysics
  - One course, chosen from
    - BIOL 307 Advanced Cell and Molecular Biology
    - BIOL 314 Molecular Genetics
    - BIOL 352 Evolutionary Developmental Biology
    - BIOL 384 Eukaryotic Genetics
  - Two senior seminars, to include the presentation of a research topic, chosen from
    - CHEM 421 Senior Seminar
    - CHEM 422 Senior Seminar
    - BIOL 391 Honors Seminar I
    - BIOL 392 Honors Seminar II

- MATH 212 or 232 Calculus II
- PHYS 127 or 131 General Physics I
- One unit in physics, chosen from  
PHYS 132 General Physics II  
PHYS 133 Atomic and Sub-Atomic Physics  
PHYS 134 Biological Physics

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### For the Bachelor of Science degree

The above courses plus one additional approved upper-level biology or chemistry elective and at least one unit of research in biology or chemistry or an approved experience that culminates in a written report or poster presentation to give a total of 16 units.

### For either of the above degrees

Additional upper-level elective courses in chemistry and biology are highly recommended. Students wishing to double major in biochemistry and molecular biology and either chemistry or biology are required to use upper-level electives for only one degree program or the other. Similarly, upper-level electives cannot be counted for both a major and a minor in either department.

## Honors Program

Students are invited to participate in the biochemistry and molecular biology honors program by the program co-coordinators. A student graduating with an honors degree in biochemistry and molecular biology must complete two units of preapproved upper-level elective work in chemistry, biology, or courses approved by the BCMB committee. The student also must fulfill the following research requirements:

- A research proposal to the student's research advisor
- 1.5-2 units of independent research
- A written thesis upon completion of their research that is approved by at least two BCMB program committee members or their designees (one of which must be a BCMB program committee member)
- An oral defense of the thesis

Additionally, students must have a GPA of 3.60 or better in their major and 3.30 or better overall. The total number of units for honors course work (including formal courses and research) is three.

## BIOLOGY

### Department of Biology

*Malcolm Hill, Chair*

*Professors de Sá, Hayden*

*Associate Professors Boland, Gindhart, Harrison,*

*A. Hill, M. Hill, Kingsley, Radice, Runyen-Janecky, Smallwood, Stenger, Warrick*

*Assistant Professors Knight, Telang, Treonis*

*Directors of Biology Laboratories Boone, Lessem, Reiner*

*Director of Biological Imaging Marks*

*Director of Pre-Health Education Vaughan*

*Director of Molecular Biology Lab Zoghy*

*Manager of Biology Laboratories Farrell*

*Stockroom Manager Joseph*

### The Biology Major

**Note:** The grade point average of the coursework in biology and chemistry must be no less than 2.00 with no course grade below C- (1.7).

### For the Bachelor of Science Degree

15 units, including

- BIOL 199 Introduction to Biological Thinking
- Conceptual Area 1: Genetics, Cellular and Molecular Biology, one unit chosen from  
BIOL 201 Genetics  
BIOL 205 Cell Biology
- Conceptual Area 2: Evolution, Diversity and Ecology, one unit chosen from  
BIOL 207 Ecology  
BIOL 225 Evolution
- Conceptual Area 3: Organismal Biology, one unit chosen from  
BIOL 216 Botany  
BIOL 217 Integrative Physiology  
BIOL 229 Microbiology
- Five additional units in biology, including at least four at the 300 level and four with a lab
- MATH 212 Calculus II or MATH 232 Scientific Calculus II
- CHEM 141 Introductory Chemistry
- CHEM 205 Organic Chemistry I
- CHEM 206 Organic Chemistry II



- PHYS 131 General Physics with Calculus I
- Physics elective, one unit chosen from
  - PHYS 132 General Physics with Calculus II
  - PHYS 133 Atomic and Sub-Atomic Physics
  - PHYS 134 Biological Physics

Students are expected to fulfill all prerequisites necessary for courses within the major/minor. Prerequisites do not count toward the major/minor unless otherwise noted.

### For the Bachelor of Arts Degree

12 units, including

- BIOL 199 Introduction to Biological Thinking
- Conceptual Area 1: Genetics, Cellular and Molecular Biology, one unit chosen from
  - BIOL 201 Genetics
  - BIOL 205 Cell Biology
- Conceptual Area 2: Evolution, Diversity and Ecology, one unit chosen from
  - BIOL 207 Ecology
  - BIOL 225 Evolution
- Conceptual Area 3: Organismal Biology, one unit chosen from
  - BIOL 216 Botany
  - BIOL 217 Integrative Physiology
  - BIOL 229 Microbiology
- Five additional units in biology, including at least four at the 300 level and four with a lab
- CHEM 141 Introductory Chemistry
- CHEM 205 Organic Chemistry I
- CHEM 206 Organic Chemistry II

### The Biology Minor

6 units, including

- BIOL 199 Introduction to Biological Thinking
- Conceptual Area 1: Genetics, Cellular and Molecular Biology, one unit chosen from
  - BIOL 201 Genetics
  - BIOL 205 Cell Biology
- Conceptual Area 2: Evolution, Diversity and Ecology, one unit chosen from
  - BIOL 207 Ecology
  - BIOL 225 Evolution
- Conceptual Area 3: Organismal Biology, one unit chosen from
  - BIOL 216 Botany
  - BIOL 217 Integrative Physiology
  - BIOL 229 Microbiology

- One additional unit with lab in biology, selected from approved 300-level courses
- CHEM 141 Introductory Chemistry

### Approved Courses for the Biology Major and Minor

All 200- and 300-level courses may be used to meet major or minor requirements with the following exceptions: any 100-level course, 260, 350, 370, 371, 388, 389, 391, 392, and 395.

### Honors Program

Students invited into the honors program may earn honors in biology by completing the following requirements:

1. a minimum GPA of 3.30 in biology and overall;
2. Two units BIOL 395 Honors Research (taken for two semesters at 1 unit per semester);
3. One unit of biology in addition to those already required for the major. A grade of B or above in this course would allow it to count towards the honors degree;
4. BIOL 391 Honors Seminar;
5. BIOL 392 Honors Seminar II; and
6. honors thesis written under the supervision of a research advisor and presented to the department in an oral presentation.

### Related Fields

- Biochemistry and molecular biology program
- Interdisciplinary concentration in neuroscience for biology or psychology majors

### Marine and Ecosystem Studies

Opportunities are available to study marine biology or marine and other ecosystems through cooperative agreements with the Duke University Marine Sciences Laboratory (DUML), Beaufort, N.C., and the Marine Biological Laboratory, Woods Hole, Mass., Semester in Environmental Science (MBL-SES). Work taken in the program may be included in the student's University of Richmond curriculum only with the prior approval and under the direction of the Department of Biology. Students interested in this option are encouraged to apply to the department for further information.

## Courses

### **BIOL 100 Biology of Plants**

Holistic overview of plant biology including elements of cell biology, biochemistry, biodiversity, morphology, growth and development, physiology, and ecology. Emphasizes direct interaction with live plants in the laboratory, field, and greenhouse integrated with understanding of cellular structures and processes and practice of scientific method. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 101 Principles of Evolution**

Examines fundamentals of the theory of evolution as an example of how science works and progresses. Consists of three modules. The first module will focus on importance of genetic variation and principles of the evolutionary theory; the second will focus on illustrating how evolutionary theory and evolutionary tree serve as guides in biological research; and the third will focus on principles of human evolution. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 102 Exploring Human Biology**

Examination of human biology from perspective of cellular processes, genetics, structure and function of organ systems, and evolution. Application of the scientific method in the laboratory. Will not serve as basis of further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 103 Biology in Popular Culture**

Current topics in contemporary biology will be used to introduce students to genetic engineering, stem cells, and the evolution of antibiotic resistance in bacteria. These issues and the impact of this technology will be explored examining their various roles in the medical community and popular culture. Laboratory investigations will emphasize the scientific method allowing for student hypothesis-driven experimentation. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 104 Biology of Human Development**

Focuses on early embryonic development, including fertilization, stem cell formation, organ development, and sex determination. Emphasis on understanding biological principles and social implications of manipulating human development. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 106 Microbiology: Unseen Life**

Introduction to basic concepts needed to understand microorganisms and their impact on our world. Questions addressed include: What is microbial diversity? How do microbes grow? How can we control microbial growth? How can we harness the power of microbial genetics? How do microbes help in food production? What roles do microbes play in the biosphere? How do microbes interact with the human body? Laboratory investigations will utilize the scientific method to allow students to gain insight as to how scientific experiments are performed. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 107 Human Genetics**

Introduction to basic concepts in human genetics and how advances in the field impact health care, biotechnology, public policy, and the law. Topics such as the Human Genome Project, gene therapy, and prenatal testing for genetic disorders will be discussed. Students will gain working knowledge of how scientists think and how they approach research problems. Designed for students with little or no background in biology, chemistry, and mathematics. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 108 Environmental Biology**

Basic ecological principles and selected topics in environmental science, including worldwide impact of growing human population, patterns of energy consumption, and issues of water quality, water management, land use, and biological resources. Application of the scientific method will be incorporated in laboratory component. Will not serve as basis of further

work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *Prerequisite:* High school biology. *1 unit. (FSNB)*

### **BIOL 109 Introduction to Ecology**

Introduction to causes and consequences of ecological patterns at all scales: individuals, species, communities, and ecosystems. Terrestrial, aquatic, and marine systems are studied, as well as theories and the mathematical and graphical models used to understand them. Some labs require work outside. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 110 Emerging Infectious Diseases**

Examination of microbes responsible for emerging infectious diseases (and perspective of diseases with significant impact on history) will be used to introduce biological principles evaluating the structure/function of these microbes as well as discussing the role of genetics. The impact of these events as well as the public policy response will be explored. Examples of microbes to be studied include HIV, Ebola, Escherichia coli, Treponema pallidum, and Staphylococcus aureus. The scientific method of investigations will be an integral part of the laboratory. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 111 Marine Biology of the Chesapeake Bay**

Introduction to the ecology and biological diversity of the Chesapeake Bay and its watershed. Environmental issues facing the bay will be explored through direct data collection, observation, and hands-on activities. This is a service-learning course and students will join local 5th-grade classrooms to help teach elementary students about the bay. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 118 Introduction to Biotechnology**

Biotechnology is the harnessing of biological processes for commercial purposes. We interact with biotechnology products every day, yet many people

do not understand what biotechnology is, what it can and cannot do, and why the ethical use of biotechnology is important. Includes topics such as recombinant DNA technology, fermentation, protein engineering, biosensors, and natural products. Students will learn about biotechnology companies, how they work, and the implications of biotechnology in everyday life. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 155 Topics in Contemporary Biology: Summer Scholars**

Special topics. Available to high-school students in Summer Scholars program only. *Prerequisite:* Participation in Summer Scholars program. *1 unit.*

### **BIOL 199 Introduction to Biological Thinking**

An introduction to how biologists pose questions, design experiments, analyze data, evaluate evidence, and communicate scientific information. Individual sections will have different topics and formats, but all sections will involve intensive student-directed investigation and include a laboratory component. Required for prospective biology majors. Three lecture and two laboratory hours per week. *1 unit. (FSNB)*

### **BIOL 201 Genetics**

Introductory course addressing theory and use of genetics in the biological sciences. Topics include 1) gene organization and transmission through generations, including Mendelian inheritance, linkage, and mapping; 2) gene function at the molecular level, including physical nature of DNA, transcription, translation, and regulation of gene expression; and 3) genetic analysis of biological processes such as development. Emphasis is on modern genetic techniques and applications. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 199 or permission of instructor. *1 unit. (FSNB)*

### **BIOL 205 Cell Biology**

Introductory course addressing cell structure and function at the molecular level. Major topics include 1) the chemical composition of cells, including the structure and function of proteins, carbohydrates, and lipids; 2) the organization of cells, including organelles and their functions; 3) cellular metabolism, including respiration, fermentation, and photosyn-

thesis; 4) cell-cell interactions and communication, including signaling in nerve and muscle; 5) mitosis, the cell cycle, and cell death. Emphasis on modern cellular and molecular techniques and applications. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 199 or permission of instructor. *1 unit.*

### **BIOL 207 Ecology**

Examines forces that shape the patterns of species interactions, abundance, and distribution. Three lecture and three laboratory hours a week plus overnight field trips. *Prerequisite:* Biology 199 or permission of instructor. *1 unit.*

### **BIOL 216 Botany**

Diversity, structure, growth, physiology, and reproduction of photosynthetic organisms. Three lecture and three laboratory hours a week. *Prerequisite:* Biology 199 or permission of instructor. *1 unit. (FSNB)*

### **BIOL 217 Integrative Physiology**

Examines the integration of physiological processes in plants and animals, from the level of the genes, cells, organs, systems, whole organisms, and environment. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 199 or permission of instructor. *1 unit. (FSNB)*

### **BIOL 225 Evolution**

Introduction to biological evolution, including history of field and mechanisms of evolution that result in biological diversification, speciation, extinction, and the fossil record. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 199 or permission of instructor. *1 unit.*

### **BIOL 229 Microbiology**

Microorganisms are everywhere and an integral part of our world. This course introduces a broad range of topics in the field, including microbial cell structure and function, microbial growth and nutrition, unique aspects of microbial metabolism, viruses, microbial ecology, and microbial pathogenesis. The contributions of microbes to the world, both positive and negative, will be highlighted throughout the course. Laboratory investigations will allow students to explore microbiological-based questions. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 199 or permission of instructor. *1 unit.*

**BIOL 250 Earth Systems and Physical Geography**  
(See Geography 250; same as Environmental Studies 250.) *1 unit. (FSNB)*

### **BIOL 260 Introduction to Geographic Information Systems**

(See Geography 260; same as Environmental Studies 260.) *1 unit.*

### **BIOL 303 Plant Morphology**

Structure, life histories, and phylogeny of major divisions of algae, fungi, and terrestrial plants. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 201, 205, 207, 216, 217, 225, or 229 or permission of instructor. *1 unit.*

### **BIOL 305 Plant Anatomy**

Microscopic structure of vascular plants with emphasis on function, development, and evolution. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 201, 205, 207, 216, 217, 225, or 229 or permission of instructor. *1 unit.*

### **BIOL 306 Systematic Botany**

Identification and classification of vascular plants; emphasis on local flora, principles of systematics. Two lecture and four laboratory hours per week. *Prerequisite:* Biology 201, 205, 207, 216, 217, 225, or 229 or permission of instructor. *1 unit.*

### **BIOL 307 Advanced Cell and Molecular Biology**

Analysis of molecular mechanisms by which cells interact with each other and the environment. Topics include signal transduction, cell cycle regulation, and molecular models of cancer and microbial pathogenesis. Three lecture hours per week. *Prerequisite:* Biology 205. *1 unit.*

### **BIOL 308 Comparative Vertebrate Anatomy**

Comparative anatomy and biology of several systems of organs of representative vertebrates in an evolutionary context. Two lecture and four laboratory hours per week. *Prerequisite:* Biology 199. *1 unit.*

### **BIOL 309 Invertebrate Zoology**

Comprehensive study of systematics, morphology, physiology, development, behavior, and ecology of invertebrates, the most abundant animals on the planet. Three lecture and three laboratory hours per week plus field trips. *Prerequisite:* Biology 199. *1 unit.*

**BIOL 311 Microanatomy**

Microscopic structures and functions of vertebrate tissues and organs. Laboratory emphasizes quantitative light and electron microscopy and computer-assisted image analysis. Three lecture and three laboratory hours per week. *Prerequisites:* Biology 205 and 216 or 217. *1 unit.*

**BIOL 312 Developmental Biology**

Development of animals, concentrating on fertilization and early embryonic development. Emphasizes mechanisms of cell differentiation and pattern formation. Three lecture and three laboratory hours per week. *Prerequisites:* Biology 201 and 205. *1 unit.*

**BIOL 313 Microbial Pathogenesis**

Exploration of the general mechanisms used by pathogens to cause disease. Topics include entry into the host, attachment to and invasion of host cells, cell and tissue damage, and microbial elimination/dissemination, as well as the techniques used to study these processes. Students will examine these topics in detail in context of several specific pathogens to more thoroughly appreciate the clinical disease that results from infection. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 205 or 229. *1 unit.*

**BIOL 314 Molecular Genetics**

Examination of experimental underpinnings of knowledge about gene transmission and function through critical analysis of key papers. Lab projects focus on developing skill in posing problems that can be addressed experimentally. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 201. *1 unit.*

**BIOL 325 Molecular Evolution**

Introduction to molecular evolution with focus on genome structure, mutation selection and random genetic drift at molecular level. Evolution by gene duplication, exon shuffling and transposition. Lab focuses on cloning and recombinant DNA techniques. Strong lab component, two lecture and four laboratory hours per week. *Prerequisite:* Biology 199. *1 unit.*

**BIOL 326 Biochemistry**

(See Chemistry 326.) *Prerequisite:* Chemistry 206. *1 unit.*

**BIOL 327 Biochemistry with Laboratory**

(See Chemistry 327.) *Prerequisite:* Chemistry 206. *1 unit.*

**BIOL 328 Vertebrate Zoology**

Comprehensive survey of vertebrate classes emphasizing phylogenetic theory, natural history, behavior, and ecology. Two lecture and four laboratory hours per week. *Prerequisite:* Biology 199. *1 unit.*

**BIOL 329 Protein Structure, Function and Biophysics**

(See Chemistry 329.) *Prerequisites:* Biology/Chemistry 326 or 327 and Chemistry 309. *1 unit.*

**BIOL 332 Tropical Marine Biology**

Introduction to marine biology and other oceanographic disciplines using tropical marine habitats as specific examples. Three lecture hours per week and laboratory portion composed of field trips and exercises including spring break field experience in Caribbean (extra fee required). *Prerequisite:* Biology 207 or 225. *1 unit.*

**BIOL 333 Microbial Ecology**

Community dynamics play an important role in organismal interactions. Examines the role of microorganisms in terrestrial, freshwater, and marine habitats, as well as animal-plant systems. The laboratory will emphasize molecular techniques used to study microorganisms in situ and includes independent research project. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 201, 205, 207, 216, 217, 225, or 229. *1 unit.*

**BIOL 334 Oceanography**

Integrated introduction to biological, geological, chemical, and physical oceanography. Multidisciplinary approach to ocean processes. Three lecture and three laboratory hours per week, plus field trips. *Prerequisites:* Biology 207. *1 unit.*

**BIOL 338 Comparative Animal Physiology**

Introduction to major characteristics of animal function at level of whole organism and component structures and organ systems. Emphasis on physiological function and processes related to survival in natural environment. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 201 or 205 and 217. *1 unit.*

**BIOL 339 Physiology of Marine Organisms**

Physiological adaptations, including osmoregulation, respiration, diving physiology, and temperature regulation of organisms to marine environments, such as estuaries, the open ocean, and deep sea. Three lecture hours per week. *Prerequisite:* Biology 217. 1 unit.

**BIOL 340 Introduction to Immunology**

Overview of immunology. Current theories and their explanation of pertinent contemporary issues included. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 205. 1 unit.

**BIOL 341 Animal Physiological Ecology**

Introduction to animal physiological adaptation to the natural environment. Emphasis will be on physiological responses of animals to both biotic and abiotic factors and interaction with ecology and population dynamics of species. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 217. 1 unit.

**BIOL 343 Neurobiology**

Broad course focusing on study of neurons and neuronal systems. Topics to be explored include the neuron and its mechanisms for the transmission of signals, neuronal organization, sensory perception, integration, behavioral output, development, and basic neurogenetics. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 205 or 217. 1 unit.

**BIOL 344 Behavioral Ecology**

Introduction to analysis of behavior of organisms, including humans, by study of how behavior affects survival and reproduction. Behaviors studied include foraging, aggression, cooperation, and reproduction. Verbal, graphical, and mathematical models to describe and predict behavior are studied and tested. Three lecture and three laboratory hours per week; may include overnight field trips. *Prerequisite:* Biology 207 or 225. 1 unit.

**BIOL 345 Cellular Neurophysiology**

The study of how nerve cells generate electrical excitability and use changes in excitability to communicate information in the nervous system. The basic principles of how ion channels and receptors operate will be studied and applied to their physiological function in nerve cells including networks of nerve cells and nerve-muscle communication. The key principles of channel and receptor function will be

determined by students in laboratory exercises using contemporary electrophysiological instrumentation. Advanced topics such as the modulation of channel and receptor function, disease-causing mutations, and the molecular mechanisms of synaptic plasticity will also be studied. The course culminates in student-led investigations of a special topic, designed and completed by research teams. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 205. 1 unit.

**BIOL 350 Undergraduate Research**

Independent research conducted with faculty supervision. May be repeated eight times for credit. Graded pass/fail. *Prerequisite:* Permission of instructor. .5 unit.

**BIOL 351 Special Topics**

Special course areas covered when sufficient interest exists. Considers subject matter not covered in other biology courses. *Prerequisite:* Biology 199. .5-1 unit.

**BIOL 352 Evolutionary Developmental Biology**

Study of how evolution occurs through inherited changes during the embryonic development of organisms. The genetic basis of animal diversity will be studied by examining conserved molecular, cellular, and developmental processes. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 201. 1 unit.

**BIOL 360 Environmental Remote Sensing**

(See Environmental Studies 360.) 1 unit.

**BIOL 370 Women in Science**

Critical analysis of involvement of women in science, including the history of participation of women in science; trends and barriers to full participation in science, including real and perceived differences in the biology of the scientist; objectivity/subjectivity in science; and feminist analyses of science. Continuing dialogue on how science is done and impact that feminist scholarship has had on this dialogue. Class research project will be conducted. Three lecture hours per week. *Prerequisite:* Students must have fulfilled their Fields of Study-Natural Science requirement or have permission from the instructor. 1 unit. (FSSA)

**BIOL 380 Philosophical Issues in Evolutionary Biology**

Philosophical problems within evolutionary biology and its influence on society. Issues studied include how natural selection works, evolution and human behaviors, and the influence of evolutionary theory on our ethical and legal codes. Lecture/seminar format, with student presentations and term paper. Three lecture hours per week. *Prerequisite:* Biology 207 or 225. *1 unit.*

**BIOL 383 Tropical Biology and Conservation**

Introduction to principles of tropical biology and conservation, including historical and economic components. Three lecture and three laboratory hours per week. *Prerequisite:* Biology 199. *1 unit.*

**BIOL 384 Eukaryotic Genetics**

Principles underlying gene expression in higher eukaryotes, examined through selected genetic pathologies. The course seeks to increase students' facility in making creative use of the primary scientific literature. Three lecture hours per week. *Prerequisite:* Biology 201. *1 unit.*

**BIOL 388 Individual Internship**

Supervised independent work under field conditions. Designed to give student applied experience in biological specialty. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisites:* Biology, biochemistry and molecular biology, or environmental studies major at junior or senior rank. *.5 unit.*

**BIOL 389 Independent Study**

An in-depth study of biological topics not included in other courses. Students work independently, but under the supervision of a faculty member. Must be approved by department chair and instructor. *Prerequisite:* Permission of instructor. *.25-1 unit.*

**BIOL 391 Honors Seminar I**

Special topics for junior and senior honors candidates. One lecture hour per week. *Prerequisite:* Permission of instructor. *.25 unit.*

**BIOL 392 Honors Seminar II**

Special topics for junior and senior students with emphasis on topics presented in the biology seminar

series. One lecture hour per week. *Prerequisite:* Permission of instructor. *.25 unit.*

**BIOL 395 Honors Research**

Laboratory or field-centered independent study. May be taken twice for credit. Will be graded on a pass/fail basis. *Prerequisite:* Permission of instructor. *1 unit.*

**CHEMISTRY***Department of Chemistry*

*Bill Myers, Chair*

*Professors Bell, Gupton, Myers*

*Associate Professors Abrash, Dominey, Gentile,*

*Goldman, Hamm, Leopold, Parish, Stevenson*

*Assistant Professors Dattelbaum, Donald, Downey*

*Directors of Chemistry Laboratories Case, Miller*

*Director of Instrument Facilities Smith*

*Director of Computer-Assisted Science Education Kanter*

*Managers of Laboratories Collins, Wimbush*

*Stockroom Manager Joseph*

*Visiting Senior Research Scholars Seeman, Zeldin*

**The Chemistry Major**

**Note:** A grade of not less than C- (1.7) is required in each chemistry course applied to the major.

**For the Bachelor of Arts degree**

12 units, including

- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 205-206 Organic Chemistry
- CHEM 300 Measurement Statistics
- CHEM 301 Quantitative Methods of Chemical Analysis
- CHEM 309 or CHEM 310 Physical Chemistry
- CHEM 317 Inorganic Chemistry
- CHEM 322 Junior Seminar
- CHEM 421- 422 Senior Seminar
- One additional 1-unit upper-level course in chemistry (other than CHEM 320)
- MATH 212 or 232 Calculus II or Scientific Calculus II
- PHYS 127 or 131 General Physics I
- One unit in physics, chosen from
  - PHYS 132 General Physics II
  - PHYS 133 Atomic and Subatomic Physics
  - PHYS 134 Biological Physics

Participation in undergraduate research is encouraged as an important part of the program.

### For the Bachelor of Science degree

14.5 units, including

- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 205-206 Organic Chemistry
- CHEM 300 Measurement Statistics
- CHEM 301 Quantitative Methods of Chemical Analysis
- CHEM 309-310 Physical Chemistry
- CHEM 317 Inorganic Chemistry
- CHEM 322 Junior Seminar
- CHEM 421- 422 Senior Seminar
- One additional 1-unit upper-level course in chemistry (other than CHEM 320)
- One unit in an approved research experience (CHEM 320) that culminates in a written report or poster presentation
- MATH 212 or 232 Calculus II or Scientific Calculus II
- PHYS 127 or 131 General Physics I
- One unit in physics, chosen from  
PHYS 132 General Physics II  
PHYS 133 Atomic and Subatomic Physics  
PHYS 134 Biological Physics

### And for either of the above degrees

Additional upper-level elective courses in chemistry and two full years of either biology or physics are highly recommended.

## Certifications in the Chemistry Major

Certifications by the department, based on American Chemical Society specifications, require:

### For chemistry

The Bachelor of Science degree in chemistry with the addition of CHEM 326 or 327. Note that CHEM 326 or 327 is in addition to, not in place of, the upper-level elective required for the Bachelor of Science degree in chemistry. In addition, a written research report must be submitted to the chemistry department.

### For chemistry/biochemistry

The Bachelor of Science degree in chemistry with the addition of CHEM 327 and 329 and one nonintroductory biology elective which contains cell biology,

microbiology, or genetics. Note that CHEM 327 and 329 are in place of, not in addition to, the upper-level elective required for the Bachelor of Science degree in chemistry. In addition, a written research report must be submitted to the chemistry department.

The completion of the Bachelor of Science degree in biochemistry and molecular biology and CHEM 300, 301, 310, and 317 also meets the certification requirements. Note that CHEM 300, 301, 310, and 317 are in place of, not in addition to, the upper-level elective required for the Bachelor of Science degree in biochemistry and molecular biology. In addition, a written research report must be submitted to the chemistry department.

## Honors Program

Departmental honors in chemistry requires 1) a GPA of 3.3 overall and in the major; 2) completion of the Bachelor of Science degree in chemistry with the addition of CHEM 326 (or 327) and an additional 1 unit of an approved research experience; and 3) a research thesis turned in to the honors coordinator and approved by at least two chemistry faculty members or their designees. (Note that CHEM 326 (or 327) is in addition to, not in place of, the upper-level elective required for the Bachelor of Science degree in chemistry.)

To obtain honors in chemistry, a student must apply to the University honors program. An application can be submitted through the chemistry honors coordinator after a student has completed 16 units total coursework and 3.5 units in chemistry past CHEM 141.

## The Chemistry Minor

**Note:** A grade of not less than C- (1.7) is required in each course in the minor.

7 units, including

- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 205-206 Organic Chemistry
- CHEM 300-301 or 302 Measurement Statistics-Quantitative Methods of Chemical Analysis or Spectroscopy and Instrumentation
- CHEM 317 Inorganic Chemistry
- One additional one-unit upper-level course in chemistry (other than CHEM 320)



## Cooperative Program

### Engineering Opportunities for University of Richmond students at Virginia Commonwealth University

A fundamental understanding of chemistry, physics, and biology coupled with problem-solving and analytical skills in chemical and life science engineering represents a unique opportunity to position students for broad employment opportunities in chemical process technology and in the rapidly growing areas of biotechnology, bioengineering, and nanoscience. Toward this end, opportunities have been created for University of Richmond students who seek the advantages of a liberal arts education coupled with a strong background in the fundamentals of engineering.

A sequence of four courses offered in the School of Engineering at Virginia Commonwealth University has been approved for University of Richmond students. The requisite math background for this core and for easy transfer into the VCU M.S. program upon graduation is three semesters of calculus and one semester each of differential equations and statistics (which may be satisfied with CHEM 300). A course in computer programming also is required.

The core courses are

- CLSE 201 Material Balances (3 semester hours)
- CLSE 202 Energy Balances and Engineering Thermodynamics (3 semester hours)
- CLSE 301 Transport Phenomena I (3 semester hours)
- CLSE 305 Thermodynamics of Phase Equilibria and Chemical Reactions (3 semester hours)

The core courses listed above will be accepted as transfer credit. Up to one unit will count as required elective credit within the chemistry major. For a Richmond student to qualify, the following criteria would have to be met:

- Junior or senior standing at Richmond
- Enrollment in at least 3.5 units at Richmond during each term coursework is taken at VCU
- Minimum GPA of 3.00 at Richmond
- Enrollment in no more than one course at VCU in any given semester
- Prerequisites for elective courses must be completed
- Payment of any lab fees required by VCU
- Acceptance by the School of Engineering at VCU

- Student's registration must be approved in advance by VCU registrar (case-by-case approval)

## Related Major

Biochemistry and molecular biology program

## Courses

### CHEM 110 Pollutants in the Environment

Sources, behavior, and effects of chemical pollutants in the air, water, and soil. Topics include global warming, ozone depletion, acid rain, pesticides, and radioactive waste. Three lecture and three laboratory hours per week. Does not count toward the chemistry major or minor. *Prerequisite:* None (high school chemistry desirable). *1 unit. (FSNC)*

### CHEM 111 Chemistry Detectives: Solving Real-World Puzzles

A laboratory-based course in which students learn the language and techniques used in industrial and forensic laboratories to conduct organic chemical analysis. Students become "chemistry detectives," able to solve the types of "chemistry puzzles" that are characteristic of the fun part of doing chemistry (e.g. how chemists, such as forensic and pharmaceutical chemists, determine the structure of real-world unknown compounds). A range of applications of this chemistry is discussed, including such topics as environmental, medicinal, polymer, forensic and industrial chemistries, government regulations, natural products, pheromones, and information retrieval. In the process, students will gain hands-on experience using modern instrumentation, including IR, NMR, GC-Mass Spec, and UV-Visible spectroscopy. Three lecture and three laboratory hours per week. Does not count toward the chemistry major or minor. *Prerequisite:* High school chemistry or permission of instructor. *1 unit. (FSNC)*

### CHEM 112 Biochemistry in the Real World

The genomics revolution of the last 10 years has given birth to the "proteome," emphasizing the central role that proteins play in virtually all life and death processes. This course will explore central features of what proteins look like and how they perform their varied functions in a variety of biological and chemical processes. These will include aspects of cell differentiation, cell death, and disease states such as cancer, Alzheimer's, and viral infections by Epstein-Barr

virus, papillomavirus and AIDS. Three lecture and three laboratory hours per week. Does not count toward the chemistry major or minor. *1 unit. (FSNC)*

### **CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis**

Fundamental principles of chemistry, including atomic and molecular structure, bonding, periodicity; chemical reactions, including stoichiometry, acid base chemistry, oxidation-reduction; and an introduction to kinetics and thermodynamics, chemical reactions, and equilibria. Introductory course for science majors and those pursuing degrees in the health sciences. It is a prerequisite for upper-level courses. Three lecture and three laboratory hours per week. Previous knowledge of chemistry is helpful but not assumed. *1 unit. (FSNC)*

### **CHEM 205-206 Organic Chemistry**

Chemistry of compounds of carbon, which is fundamental to understanding of both chemistry and biology. Nomenclature, structure-physical property relationships, reactions, reaction mechanisms, spectroscopy and introduction to macromolecules, including those of biological significance. Three lecture and three laboratory hours per week. *Prerequisite:* Chemistry 141. Chemistry 205 is prerequisite to 206. *1-1 unit.*

### **CHEM 220 Projects**

Laboratory experience with a faculty member. *.25-.5 unit.*

### **CHEM 300 Measurement Statistics**

Overview of statistics of measurements on chemical systems. Includes characteristics of data which contain random error. Statistics used to describe and summarize trends of measured data will be introduced, as well as a number of statistical tools needed to draw meaningful and objective conclusions based on data. Should be taken simultaneously with, or prior to, Chemistry 301. Two lecture and one laboratory hour per week for the first seven weeks in a semester. *.5 unit.*

### **CHEM 301 Quantitative Methods of Chemical Analysis**

Principles and techniques of chemical and instrumental methods used for quantitative analysis. Includes lecture coverage and extensive laboratory use of gravi-

metric, titrimetric, electrochemical, and spectroscopic methods. Three lecture and four laboratory hours per week. *Prerequisites:* Chemistry 300 and 317. Chemistry 300 may be taken concurrently. *1.5 units.*

### **CHEM 302 Spectroscopy and Instrumentation**

Principles and techniques of chemical and instrumental methods used for compound identification. Focus on modern instrumental methods for compound structure elucidation and the principles underlying both the spectroscopic methods and the instrumentation itself. Three lecture and four laboratory hours per week. *Prerequisite:* Chemistry 206. *1.5 units.*

### **CHEM 303 Separations**

Principles, theory, and techniques central to chemical separation sciences—both classical and instrumental methods used for compound separation and purification, as well as factors important to industrial scalability versus nanoscale applications. Focus on modern theories and implementations of instrumental methods for compound separations and principles underlying instrumentation. Three to four hours of lecture and/or laboratory per week. *Prerequisite:* Chemistry 301 or 302. *1 unit.*

### **CHEM 308 Statistical Mechanics**

(See Physics 308.) *1 unit.*

### **CHEM 309-310 Physical Chemistry**

Principal laws and theories of chemistry: gas laws and kinetic molecular theory, classical and statistical thermodynamics, wave mechanics and molecular structure, and chemical kinetics. Principles and properties of liquids, solids and solutions, and phase equilibria are examined along with electrochemistry. Three lecture and four laboratory hours per week. *Prerequisites:* Chemistry 141; Physics 132, 133, or 134; and Mathematics 212 or 232. Chemistry 317 is highly recommended. *1.5-1.5 units.*

### **CHEM 316 Environmental Chemistry**

Study of the fate, transport, and distribution of chemicals in the environment. The chemistry of the atmosphere, hydrosphere, and geosphere will be covered, highlighting effects of inorganic and organic pollutants. Topics such as global warming, stratospheric ozone depletion, acid rain, photochemical smog, and groundwater contamination will be discussed in detail. Three lecture hours per week.

*Prerequisite:* Chemistry 205 or permission of instructor. *1 unit.*

### **CHEM 317 Inorganic Chemistry**

Inorganic chemistry embraces the chemistry of all of the elements. This course will focus on the synthesis and behavior of inorganic materials. As such, it will include certain aspects of thermodynamics, atomic and molecular bonding theories, kinetics, and electrochemical processes as they pertain to inorganic compounds and materials. Three lecture and four laboratory hours per week. *Prerequisite:* Chemistry 206. *1 unit.*

### **CHEM 320 Introduction to Research**

Laboratory research experience with a faculty member. *.5-1 unit.*

### **CHEM 322 Junior Seminar**

Regular attendance in departmental seminar program. Normally taken in the junior year. One class hour per week. *Prerequisite:* Chemistry 206. *0 units.*

### **CHEM 326 Biochemistry**

Structure and chemistry of biologically important macromolecules and chemical processes involved in cellular synthesis degradation, and assembly of these macromolecules. Three lecture hours and an extra experience per week. (Same as Biology 326.) *Prerequisite:* Chemistry 206. *1 unit.*

### **CHEM 327 Biochemistry with Laboratory**

Structure and chemistry of biologically important macromolecules and chemical processes involved in cellular synthesis degradation, and assembly of these macromolecules. Three lecture and three laboratory hours per week. (Same as Biology 327.) *Prerequisite:* Chemistry 206. *1 unit.*

### **CHEM 329 Protein Structure, Function and Biophysics**

Advanced topics in protein structure, function, and biophysics. Commences with brief treatment of essential elements of kinetics, thermodynamics, and quantum mechanics necessary for a thorough understanding of topics to be presented later and continues with detailed coverage of enzyme kinetics and ligand binding, chemical modification, site-directed mutagenesis, x-ray crystallography, spectroscopic techniques used to investigate conformation, and

the folding of proteins, including Circular Dichroism, Fluorescence and NMR; and computational approaches used to compute and visualize both structure and reaction. Second half of course focuses on three classes of proteins and associated themes: 1) kinases, phosphatases, and regulation, 2) proteases and processes and 3) oligomeric enzymes and allosteric models. Three lecture and three laboratory hours per week. (Same as Biology 329.) *Prerequisite:* Chemistry/Biology 326 or 327. *1 unit.*

### **CHEM 341 Advanced Organic Chemistry**

Topics include fundamental physical organic concepts, organic reaction mechanisms, examples of syntheses from recent literature, and design of synthetic approaches to target molecules of interest. Three lecture hours per week. *Prerequisite:* Chemistry 206. *1 unit.*

### **CHEM 342 Medicinal Chemistry**

Provides basic principles of the drug discovery process. Topics include general considerations, mode of action, quantitative structure activity relationships, absorption, distribution, metabolism, and inactivation of medicinal agents. In addition, major drug classes will be presented along with specific case studies for each category. Three lecture hours per week. *Prerequisite:* Chemistry 206. *1 unit.*

### **CHEM 401-402 Quantum Mechanics**

(See Physics 309-310.) *1-1 unit.*

### **CHEM 417 Organometallic Chemistry**

Overview of the structure, reactivity, and applications of organometallic compounds. Topics include main group and transition metal complexes, catalysis, applications to organic synthesis, and bioorganometallic chemistry. Three lecture hours per week. *Prerequisite:* Chemistry 317 or permission of instructor. *1 unit.*

### **CHEM 419 Advanced Inorganic Chemistry**

Study of principles of chemistry involved in bonding, structure, properties and reactions of main group transition metal, coordination and organometallic compounds with emphasis on periodic trends, thermodynamic, and kinetic factors and symmetry. Three lecture hours per week. *Prerequisites:* Chemistry 309 and 317 (309 may be taken concurrently). *1 unit.*

**CHEM 421-422 Senior Seminar**

Participation in departmental seminar program, to include regular attendance and one presentation during one of the two semesters. Presentation will include both written and oral component, each prepared on specific topic in chemistry. One class hour per week. *Prerequisite:* Chemistry 322. 421 is a prerequisite for 422. 0 (421)-.5 (422) unit.

**CHEM 427 Independent Study**

In-depth exploration of subjects not included in other courses, done independently but under faculty member's supervision. *Prerequisite:* Four semesters of chemistry and permission of instructor. .25-1 unit.

**CHEM 433 Special Topics**

Special course areas covered when sufficient interest exists. Considers subject matter not covered in other chemistry courses. See chemistry department home page ([chemistry.richmond.edu/](http://chemistry.richmond.edu/)) for special topics currently scheduled. *Prerequisite:* Permission of instructor. .5-1 unit.

**CHINESE PROGRAM****Department of Modern Literatures and Cultures**

*Rose Tan, Director of the Chinese Language Program*

This section contains information specific to the degree program in Chinese. For full information regarding departmental policies relevant to all the modern literatures and cultures (MLC) degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

**Study Abroad**

Study and travel abroad are strongly encouraged for all students. For students of Chinese, the department offers a summer study program in China. Options for study during the academic year in Chinese-speaking countries also are available. For a complete list, contact the Office of International Education.

**The Chinese Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 units (must include an approved study abroad experience), including

- Four units in Chinese at the 300 level or above
- One elective from the list below with LAC in Chinese or a 400-level course in Chinese:
  - HIST 250 Modern East Asia 1600-1960
  - HIST 251 Chinese Revolutions
  - HIST 252 China Modern: 1900-1940
  - HIST 341 History and Memory: WWII in East Asia
  - PLSC 345 Politics of China, Hong Kong and Taiwan
  - PLSC 357 International Relations of East Asia
  - PLSC 358 The United States and the Pacific Rim
  - RELG 355 Selected Asian Religions

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

**Courses****CHIN 101-102 Elementary Chinese**

Introduction to standard Chinese (Putonghua) and culture, with emphasis on spoken language as it is used today. Both Jiantizi (simplified forms) and Fantizi (complex form) will be taught. Development of basic reading and writing skills. Study of Chinese cultural forms that underlie the language. *Prerequisite:* 101 is prerequisite to 102. 1-1 unit.

**CHIN 201-202 Intermediate Chinese**

Reinforcement and expansion of skills in speaking, listening, reading, and writing. Appreciation of Chinese culture. *Prerequisite:* Chinese 102 is prerequisite to 201; 201 is prerequisite to 202. 1-1 unit. (202 only, COM2)

**CHIN 301 Advanced Intermediate Chinese**

A continuation of Chinese 202. Focuses on the further development of the four language skills: listening, speaking, reading, and writing. *Prerequisite:* Chinese 202. 1 unit.

**CHIN 302 Conversational Chinese**

(Summer only; taught in China.) Reinforcement of competent aural and oral communication skills in Chinese. Opportunities to interact with native speakers/language partners on a regular basis. *Prerequisite:* Chinese 202. 1 unit.

**CHIN 311 Insights into Chinese Culture**

Introduction to major current issues and influential figures on political, social and, in particular, cultural scenes of China, Hong Kong, and Taiwan, with reference to relevant historical background. *Prerequisite:* Chinese 202. 1 unit.

**CHIN 312 Insights into Chinese Culture**

(Summer only; taught in China). Reinforcement of communicative language skills, reading, and writing. Emphasis on major current issues and cultural scenes of China and Hong Kong, with reference to relevant historical background. Students will participate in various field trips. *Prerequisite:* Chinese 202. 1 unit.

**CHIN 388 Individual Internship**

Internship experiences outside of the department in fields related to Chinese studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. .5-1 unit.

**CHIN 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in Chinese. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit. *Prerequisite:* Permission of department. .25 unit.

**CHIN 401-402 Advanced Chinese Language, Literature and Culture**

Prepares for more advanced study of Chinese through rigorous vocabulary expansion, more sophisticated language usage patterns, and introduction to basics of formal and literary styles. Materials are designed to advance the student's fluency for everyday communicative tasks as well as reading skills. *Prerequisites:* Chinese 301 and 311 or permission of the instructor. 1-1 unit.

**CHIN 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Permission of instructor. .5-1 unit.

**CHIN 497 Selected Topics**

Special interest topics offered at department's discretion. Recent topics include contemporary readings in

culture, literature and history; and romance. *Prerequisite:* Chinese 301 or permission of instructor. 1 unit.

**CLASSICAL STUDIES****Department of Classical Studies**

*Dean Simpson, Chair*

*Associate Professors Laskaris, Simpson, Stevenson*

*Assistant Professors Baughan, Folch*

The Department of Classical Studies offers majors and minors in classical civilization, Greek language and literature and Latin language and literature.

The Department of Classical Studies also offers three combined majors with the English department. The combined programs in classics and English, Greek and English, and Latin and English are intended for students who wish to pursue in-depth work in both the classical and the English literary traditions.

**The Classical Civilization Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9 units, including

- CLSC 305 Greek and Roman Values or CLSC 306 The Classical Tradition
- CLCV 498 Major Seminar
- Seven units selected from courses offered by the Department of Classical Studies or approved courses in related fields

**The Classical Civilization Minor**

**Note:** No course grade below C- (1.7) will count toward the minor.

Five units selected from courses offered by the Department of Classical Studies (excluding courses in Greek and Latin) or approved courses in related fields, of which three must be in the Department of Classical Studies.

Students are expected to fulfill all prerequisites necessary for courses within the major or minor. Prerequisites do not count toward the major or minor unless otherwise noted.

**Approved Courses in Related Fields for the Classical Civilization Major or Minor**

ANTH 101 Introduction to Cultural Anthropology  
 ART 221 Survey I: Prehistory through the Middle Ages  
 ART 309 Image and Icon in Medieval Art  
 ART 310 Late Antique and Early Christian Art  
 ART 311 Medieval Byzantine Art, 600-1453  
 ART 312 Medieval Art in Western Europe, 8th-15th Centuries  
 ART 314 Northern Renaissance Art  
 ART 315 Art of the Italian Renaissance  
 ART 316 Art in the Age of Reform  
 ART 322 Museum Studies  
 ENGL 226 Love and War in Medieval Literature  
 ENGL 234 Shakespeare  
 ENGL 301 Literature of the Middle Ages  
 ENGL 302 Literature of the English Renaissance  
 ENGL 304 Shakespeare  
 ENGL 305 Critical Approaches to Shakespeare  
 ENGL 306 Milton  
 ENGL 307 Epic Tradition  
 ENGL 308 Interdisciplinary Studies in the Middle Ages and Renaissance  
 ENGL 371 Versions of Tragedy  
 HIST 220 The Aegean Bronze Age  
 HIST 221 Classical Greece  
 HIST 222 Hellenistic Greece and Republican Rome  
 HIST 223 The Roman Empire  
 HIST 225 Medieval Italy  
 HIST 226 Early Middle Ages  
 HIST 227 High Middle Ages  
 HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500  
 PHIL 271 Ancient Greek Philosophy  
 PHIL 281 Philosophy of Art  
 PLSC 311 Political Theory: Plato to Locke  
 RELG 200 Symbol, Myth and Ritual  
 RELG 230 The History of Israel  
 RELG 241 Introduction to Early Christian Era  
 RELG 243 The World of the New Testament  
 RELG 258 Medieval Religious Thought  
 RELG 331 The Hebrew Prophets  
 RELG 332 Hebrew and Christian Wisdom Literature  
 RELG 340 Varieties of Early Christianity  
 RELG 341 Paul and Christian Origins  
 RELG 342 John in Early Christian Literature  
 RELG 360 Goddess Traditions Ancient and Modern

RHCS 323 Classical Rhetoric

RHCS 325 Medieval to Modern Rhetorics

**Courses**

**Required Course for the Classical Civilization Major**

**CLCV 498 Major Seminar**

Methodologies appropriate to the study of classical civilization and the writing of a research paper.

*Prerequisites:* Permission of department. *1 unit.*

**Courses Offered in English for Classical Civilization Major and Minor**

**CLSC 201 Classical Elements in the English Language**

A study of how Latin and Greek have contributed to English vocabulary — basic, learned, and technical. In addition to developing the skill of seeing within English words meaningful prefixes, roots, and suffixes, topics of interest include the history of English, the expansion of English vocabulary via borrowing and neologism, and the ways words' meanings may change over time. *1 unit.*

**CLSC 205 Greek and Roman Mythology: Epic**

Selected mythic themes in Greek and Roman epic literature from Homer to Ovid. Emphasis on myths prominent in Western literature. *1 unit. (FSLT)*

**CLSC 207 Greek Magic**

Exploration of magic as a means to understanding and affecting the natural world. Major topics include erotic magic, dreams and divination, ritual purification, sacred plants, and healing. *1 unit.*

**CLSC 208 Mythology: Greek Drama**

Study of myths preserved in Greek dramas, and historical and literary analysis of these plays. *1 unit. (FSLT)*

**CLSC 210 A History of Early Medicine**

Medical concepts and practices of several ancient peoples of the Aegean and Mediterranean, with a focus on the Greeks and Romans. The development of medicine in Western, Byzantine, Islamic, and Arabic traditions is traced into modern times. *1 unit.*

**CLSC 301 Greek Art and Archaeology**

A survey of architecture, sculpture, ceramics, and painting in the Greek world, from the Bronze Age through the Classical period, and an exploration of how art and buildings functioned in Greek society. Introduces students to basic methods of analyzing and interpreting archaeological remains. *1 unit. (FSVP)*

**CLSC 302 Roman Art and Archaeology**

A survey of Roman art and architecture from the early republic through the late empire, and throughout the Roman world, from Spain to Syria. Explores the meanings of 'style' in Roman art and the social and political significance of Roman sculpture, painting, and architecture. *1 unit. (FSVP)*

**CLSC 304 The Feminine in Greco-Roman Literature**

Concept of the feminine as seen in major works of Greek and Roman poetry, prose, and drama. *1 unit. (FSLT)*

**CLSC 305 Greek and Roman Values**

Investigation of ancient Greco-Roman values — artistic, religious, political, and personal — as found in an eclectic survey of primary texts. *1 unit. (FSHT)*

**CLSC 306 The Classical Tradition**

Legacy of classical Greece and Rome in Medieval, Renaissance, and modern worlds. *1 unit. (FSHT)*

**CLSC 308 Women in Greece and Rome**

Structure of Greek and Roman societies based on analysis of the position of women within them. Comparison with other disenfranchised groups, particularly ethnic minorities. *1 unit. (FSSA)*

**CLSC 312 The Land of Hellas: Ancient Topography-Modern Legacy**

(Summer only; taught abroad.) Study of ancient remains of Bronze Age and Classical Greece and their role as a binding force for the ethnic and national identity of the modern country. *1 unit.*

**CLSC 388 Individual Internship**

Supervised independent work. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. *.5-1 unit.*

**CLSC 398 Selected Topics**

Topics or themes in Classics. *1 unit.*

**CLSC 499 Independent Study**

Content suited to the requirements and interests of student, chosen by student and faculty director in advance of the semester in which the independent study is to be done. *Prerequisite:* Permission of department. *.5-1 unit.*

**COGNITIVE SCIENCE**

*L. Elizabeth Crawford, Coordinator (Psychology)*

Cognitive science is the interdisciplinary study of the structures and functions of the human mind. Cognitive science investigates such topics as our sensory/perceptual apparatus, including vision, audition, olfaction; internal mental processes such as language, thinking, reasoning, and problem solving; motor control and the organization of skilled behavior such as speech and musical performance; memory; consciousness; attention; and many other aspects of the human mind. Cognitive science requires a multidisciplinary approach and includes such fields as psychology, biology, neuroscience, philosophy, anthropology, linguistics, sociology, and computer science.

The cognitive science major is offered as a Bachelor of Arts degree only.

**The Cognitive Science Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

12 units, including

- PSYC 100 Introduction to Psychological Science
- PSYC 200 Methods and Analyses
- PSYC 331 Neuroscience
- PSYC 333 Cognitive Science
- PSYC 341 Cognitive Neuroscience
- Two additional foundation courses chosen from
  - BIOL 201 Genetics
  - MLC 350 Linguistics
  - CMSC 101 Minds and Machines
  - CMSC 150 Introduction to Computing or
  - CMSC 155 Introduction to Scientific
  - PHIL 370 Philosophy of Mind
- One advanced senior-level course chosen from

- BIOL 391 Senior Seminar
- CMSC 395 Artificial Intelligence
- PHIL 380 Topics Seminar (subject to approval of cognitive science coordinator)
- PSYC 449 Advanced Seminar
- Four electives chosen from
  - ANTH 101 Introduction to Cultural Anthropology
  - BIOL 343 Neurobiology
  - BIOL 350 Independent Research
  - CMSC 221 Data Structures
  - CMSC 301 Computer Organizations
  - CMSC 340 Independent Research
  - PHIL 251 Symbolic Logic
  - PHIL 390 Independent Research
  - PSYC 361 Independent Research
  - PSYC 449 Advanced Seminar

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## COMBINED MAJORS

Designated faculty members from each department will advise students upon declaration and as they progress through the major.

The combined majors offer options for students who want to combine in-depth study in two different areas.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### English/Classical Studies

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

- Eight courses in Classics, to include
  - CLSC 305 Greek and Roman Values or 306 The Classical Tradition
  - CLSC 205 Greek and Roman Mythology: Epic
  - CLSC 208 Mythology: Greek Drama
  - Two other literature classes in classics (may include language classes at the 200 level or higher)
- A minimum of three other classics department courses

- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project  
A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in Latin or Greek and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two advisors, one from the English department and one from the classics department. By the beginning of senior year, the student should designate one of the advisors as the primary advisor, and this advisor will have primary responsibility for determining the student's grade on the writing project. If there is sharp disagreement between the two advisors over the final grade, the primary advisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second advisors.

### English/French

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

14.5 units, including

- Seven courses in French, to include
  - FREN 305 French Composition
  - FREN 320 Introduction to French Literature
  - Two courses selected from FREN 324 Francophone Cultures and Literatures; FREN 325 Medieval and Early Modern Society; FREN 326 Revolution in France; FREN 327 The Question of Modernity
  - Three 400-level courses in literature/culture
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History



One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300 level

ENGL 400 Junior/Senior Seminar

- IDST 379 Combined Major Portfolio/Project  
A senior writing/portfolio project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in English and in French, 20-30 pages, written in English or in French, making significant use of primary and secondary materials in both languages, conducted through independent study. During the senior year, students also will present a portfolio documenting significant achievements in their studies and including a reflective self-assessment of their work in the major.

Designated faculty members from each department will advise students upon declaration and as they progress through the major. Study abroad in a French-speaking country is very strongly recommended.

## English/German

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15-15.25 units, including

- Seven courses in German, to include
  - GERM 311 German Culture and Civilization
  - GERM 321 Introduction to German Literature
  - Two 400-level courses
  - Three electives, selected from a list of approved MLC courses with a LAC in German or 400-level German courses
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project

A senior writing/portfolio project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in English and in German, 20-30 pages, written in English or in German, making significant use of primary and secondary materials in both languages, conducted through independent study. During the senior year, students also will present a portfolio documenting significant achievements in their studies and including a reflective self-assessment of their work in the major.

Designated faculty members from each department will advise students upon declaration and as they progress through the major. Study abroad in a German-speaking country is very strongly recommended.

## English/Greek

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

- Eight courses in Greek, to include
  - CLSC 306 The Classical Tradition
  - Seven courses in Greek language and literature
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project  
A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in Greek and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two advisors, one from the English department and one from the classical studies department. By the beginning of senior year, the student should designate one of the advisors as the primary advisor, and this advisor will have primary responsibility for determining the student's grade on the writing

project. If there is sharp disagreement between the two advisors over the final grade, the primary advisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second advisors.

## English/Latin

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

- Eight courses in Latin, to include
  - CLSC 306 The Classical Tradition
  - Seven courses in Latin language and literature
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project  
A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in Greek and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two advisors, one from the English department and one from the classical studies department. By the beginning of senior year, the student should designate one of the advisors as the primary advisor, and this advisor will have primary responsibility for determining the student's grade on the writing project. If there is sharp disagreement between the two advisors over the final grade, the primary advisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second advisors.

## English/Russian

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

- Seven courses in Russian (courses taken in English to fulfill the Russian part of the major must each include a quarter unit LAC in Russian), to include
  - RUSN 301 Russian Conversation or RUSN 311 Readings in Russian Cultural Studies
  - MLC 321 Introduction to 19th-Century Russian Literature
  - MLC 322 Introduction to 20th-Century Russian Literature
  - Two 300- or 400-level courses, selected from RUSN 420 Readings in Russian Literature; Russian literature (selected from approved courses offered on a UR study abroad program); MLC 497 Selected Topics
  - Two 300- or 400-level courses selected from MLC 332 Conscience and Consciousness in 19th Century Russian Painting; MLC 335 Bolsheviks, Bombs and Ballet: Soviet Culture and Civilization; other relevant offerings in a number of departments (classics, religion, philosophy, art) depending on the focus of the student's comparative topic.
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project  
A senior writing/portfolio project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in English and in Russian, 20-30 pages, written in English or in Russian, making significant use of primary and secondary materials in both languages, conducted through independent study. During the senior year, students also will present a portfolio documenting significant achievements in their studies and including a reflective self-assessment of their work in the major.

Designated faculty members from each department will advise students upon declaration and as they progress through the major. Study abroad in a Russian-speaking country is very strongly recommended.

## English/Theatre

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

14.5 units, including

- Seven courses in theatre, to include
  - THTR 309 Theatre History I or THTR 319 Theatre History II
  - THTR 205 Production Studies I
  - THTR 306 Production Studies II
  - THTR 407 Production Studies III
  - THTR 202 Lighting Design or THTR 206 Costume Design or THTR 301 Scene Design
  - THTR 212 Basics of Acting or THTR 308 Basics of Directing
  - THTR 370 Staging Gender, THTR 210 Performing Diversity, or THTR 320 Twentieth-Century Acting Styles and Theory
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project A capstone project (taken for one half unit as IDST 379) on a topic related to both theatre and English will be required. The project will be supervised by a faculty member from either theatre or English and read by a member of each department. When a student declares the combined major, he or she will be assigned an advisor in each department. Each advisor will be responsible for advising the student on the selection of courses in the advisor's department.

Please note the following caveats:

1. No single course can count in two categories.
2. Students in the combined major cannot also minor in theatre or English.

## English/Women, Gender and Sexuality Studies

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

14.5 units, including

- Seven courses in women, gender and sexuality studies, to include
  - WGSS 200 Introduction to Women, Gender & Sexuality Studies
  - WGSS 221 Introduction to Feminist Political Theory
  - One course in advanced gender or feminist theory
  - One course in women's history
  - A minimum of three additional women, gender and sexuality studies or cross-listed courses (not from the English department) at or above the 300 level
- Seven courses in English, to include
  - ENGL 297 Literature in Context: Genre and Mode
  - ENGL 298 Literature in Context: Texts in History
  - One 300-level course from Group A (literature before the early to mid-19th century)
  - One 300-level course from Group B (literature after the early to mid-19th century)
  - Two additional courses at the 300 level
  - ENGL 400 Junior/Senior Seminar
- IDST 379 Combined Major Portfolio/Project A senior writing project (taken for one half unit as IDST 379) on a topic related to women, gender and sexuality studies and English will be required. The thesis will have two readers, one from the English department and one, approved by the women, gender & sexuality studies board, not from the English department.

No more than one unit of internship credit will be counted towards the combined major.

## COMPUTER SCIENCE

*Department of Mathematics and  
Computer Science*

*B. Lewis Barnett III, Chair*

*Professors Charlesworth, Davis, J. Hubbard, Nall, Ross*

*Associate Professors Barnett, Caudill, Fenster, Greenfield,  
K. Hoke, Kerckhove, Lawson, Owen, Szajda*

*Assistant Professors Shaw, Trapp*

*Director of Computer Science Laboratories A. Hubbard*

*Director of Developmental Mathematics H. Hoke*

## The Computer Science Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no computer science course grade below C- (1.70). Students are strongly advised to consult with faculty in planning their major curriculum.

### For the Bachelor of Arts degree

11 units, including

- CMSC 150 or 155 Introduction to Computing or Scientific Computing
- CMSC 221 Data Structures with Lab
- CMSC 222 Discrete Structures for Computing
- CMSC 301 Computer Organization
- CMSC 315 Algorithms
- CMSC 323 Design and Implementation of Programming Languages
- Three additional 1-unit CMSC electives at the 300 level. Without departmental approval, no more than one of these courses can be an Independent Study course.
- MATH 211 or 231 Calculus I or Scientific Calculus I
- MATH 245 Linear Algebra

### For the Bachelor of Science degree

14 units, including

- CMSC 150 or 155 Introduction to Computing or Scientific Computing
- CMSC 221 Data Structures with Lab
- CMSC 222 Discrete Structures for Computing
- CMSC 301 Computer Organization
- CMSC 315 Algorithms
- CMSC 323 Design and Implementation of Programming Languages
- Three additional 1-unit CMSC electives at the 300 level. Without departmental approval, no more than one of these courses can be an Independent Study course.
- MATH 211 or 231 Calculus I or Scientific Calculus I
- MATH 212 or 232 Calculus II or Scientific Calculus II

- MATH 245 Linear Algebra
- Two units at the 300 level or above in mathematics or two units (or more) beyond the introductory level in one of the following fields: physics (200 level or above), chemistry (200 level or above), or biology (beyond 205).

## The Computer Science Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no computer science course grade below C- (1.70). Students are strongly advised to consult with faculty in planning their minor curriculum.

5 units, including

- CMSC 150 or 155 Introduction to Computing or Scientific Computing
- CMSC 221 Data Structures with Lab
- CMSC 222 Discrete Structures for Computing
- CMSC 301 Computer Organization
- One additional unit in CMSC for which CMSC 222 or CMSC 301 is a prerequisite

## Courses

### CMSC 101 Minds and Machines

Formal deduction in propositional logic. The fundamentals of computer architecture. An elementary exploration of the extent to which symbolic reasoning can be automated, including a consideration of related results in fields such as neuroscience and artificial intelligence. Three hours lecture and one hour lab per week. *1 unit. (FSSR)*

### CMSC 105 Elementary Programming with Lab

Solving problems by writing computer programs. Introduction to computer architecture. Emphasis on symbolic reasoning using examples from a particular computing context. For non-majors. Not open to students who have completed any computer science course that fulfills major requirements. Three lecture and one laboratory hour per week. *1 unit. (FSSR)*

### CMSC 150 Introduction to Computing

Techniques for writing computer programs to solve problems. Topics include elementary computer organization, object-oriented programming, control structures, arrays, methods and parameter passing, recursion, searching, sorting, and file I/O. Three lecture and two laboratory hours per week. A student

may not receive credit for both Computer Science 150 and 155. Students who have received credit for courses numbered 221 or higher may not take 150 for credit. *Prerequisite:* None; however, strong mathematics aptitude usually predicts success in computer science. *1 unit. (FSSR)*

### **CMSC 155 Introduction to Scientific Computing**

Same course as Computer Science 150 but with greater emphasis on programming applications in the sciences. A student may not receive credit for both Computer Science 150 and 155. Students who have received credit for courses numbered 221 or higher may not take 155 for credit. *Prerequisite:* Math 211 or 231. *1 unit. (FSSR)*

**Note:** Knowledge of the topics of Computer Science 150 or 155 is prerequisite to all higher numbered Computer Science courses. Students who have obtained this knowledge through a high school or some other course are permitted to begin with Computer Science 221 with departmental approval.

### **CMSC 195 Special Topics**

Special topics satisfying neither major nor minor requirements. *.25-1 unit.*

### **CMSC 221 Data Structures with Lab**

Introduction to data structures, including stacks, queues, linked lists, and binary trees. Topics include abstraction, object-oriented programming, recursion, and computational complexity. Three lecture and two laboratory hours per week. *Prerequisite:* Computer Science 150 or 155. *1 unit. (FSSR)*

### **CMSC 222 Discrete Structures for Computing with Lab**

Sets, functions, elementary propositional and predicate logic, elementary graph theory, recurrence relations, proof techniques (including mathematical induction and proof by contradiction), combinatorics, probability, and random numbers, with applications to computing. Three hours lecture and one hour lab per week. *Prerequisite:* Computer Science 221 (corequisite). *1 unit.*

### **CMSC 288 Computer Science Apprenticeship**

Participation in development of software, with supervision of computer science faculty. Does not count for computer science major or minor. No more than

a total of 1.5 units of Computer Science 288 may count toward the total number of units required for a degree. *.25-.5 unit.*

**Note:** Most 300-level courses in computer science include a one hour-per-week laboratory component. This is an instructor-designed, organized and supervised component of the course that may occur as a fourth hour of lecture or as an extra course component scheduled outside of the lecture period. Scheduling and format may be discussed at the first class session. The format may vary by instructor and course. Students are urged to contact the instructor prior to registration if they have questions about the laboratory.

### **CMSC 301 Computer Organization**

Fundamentals of computer organization with focus on machine and assembly language levels. Topics include Boolean algebra, digital logic, data representations, study of a modern processor's architecture and assembly language, and creation of simulators and assemblers. Three lecture and one laboratory hour per week. *Prerequisite:* Computer Science 221. *1 unit.*

### **CMSC 315 Algorithms**

Design, analysis, and implementation of advanced computer algorithms. Emphasis is given to problem-solving techniques, including the greedy method, divide-and-conquer, and dynamic programming. Specific problem domains vary. Topics may include sorting, graphs, networks, computational geometry, NP-completeness, approximation algorithms, text processing, distributed systems, and numerical algorithms. Three lecture and one laboratory hour per week. *Prerequisite:* Computer Science 222. *1 unit.*

### **CMSC 321 Operating Systems**

Structure of operating systems, process management, memory management, file systems, and case studies. Three lecture and one laboratory hour per week. *Prerequisites:* Computer Science 222 and 301. *1 unit.*

### **CMSC 322 Software Engineering Practicum**

Project-oriented course. Principles of software engineering will be emphasized throughout. Three lecture and one laboratory hour per week. *Prerequisite:* Senior standing or two courses at the 300 level that have Computer Science 301 or 315 as a prerequisite. *1 unit.*

**CMSC 323 Design and Implementation of Programming Languages**

Concepts in design and implementation of programming languages, including compile-time and run-time issues. Support for block-structured procedural languages, object-oriented languages, and functional languages. Three lecture and one laboratory hour per week. *Prerequisites:* Computer Science 301 and 315. *1 unit.*

**CMSC 325 Database Systems**

Introduction to systematic management of data: design and implementation of relational databases, data modeling, normalization, indexing, relational algebra, query processing, and transaction management. Programming projects include substantial use of SQL and its extensions. Three lecture and one laboratory hour per week. *Prerequisites:* Computer Science 221 and 222. *1 unit.*

**CMSC 326 Simulation**

Introduction to simulation. Discrete-event simulation, Monte Carlo simulation, simulation of queuing and inventory systems, random number generation, discrete and continuous stochastic models, elementary statistics, point and interval parameter estimation, and input modeling techniques. Three lecture and one laboratory hour per week. *Prerequisites:* Computer Science 222 and 301. *1 unit.*

**CMSC 328 Numerical Analysis**

(See Mathematics 328.) *1 unit.*

**CMSC 330 Theory of Computation**

Finite state machines, regular languages, push-down automata, and context-free languages. Turing machines, recursive functions, and related topics. Three lecture and one laboratory hour per week. *Prerequisite:* Computer Science 315. *1 unit.*

**CMSC 331 Introduction to Compiler Construction**

Regular languages, context-free languages, finite automata, push-down automata, lexical analysis, parsing, intermediate representation, and code generation. Three lecture and one laboratory hour per week. *Prerequisite:* Computer Science 222 and 301. *1 unit.*

**CMSC 332 Computer Networks**

Principles and techniques for data communication between computers. Topics include design and analysis of communication protocols, routing, congestion control, network-centric applications, and recent advances. Three lecture and one laboratory hour per week. *Prerequisite:* Computer Science 301. *1 unit.*

**CMSC 333 Parallel Programming**

Principles and techniques for programming computers that have multiple processors. Writing programs for parallel computers that enhance run-time efficiency, portability, correctness, and software modifiability. Three lecture and one laboratory hour per week. *Prerequisites:* Computer Science 222 and 301. *1 unit.*

**CMSC 334 Computer Security**

Theory, mechanisms, and implementation of computer security and data protection. Topics include encryption and authentication, program and language security, operating system security, and network security. Three lecture and one laboratory hour per week. *Prerequisite:* Computer Science 301 (corequisite). *1 unit.*

**CMSC 335 Computer Graphics**

Device independent two- and three-dimensional computer graphics, interactive graphics, user interfaces, and human factors. Consideration of advanced modeling and rendering. Three lecture and one laboratory hour per week. *Prerequisites:* Mathematics 245 and Computer Science 222 and 301. *1 unit.*

**CMSC 340 Directed Independent Study**

To enable well-qualified students who have completed basic requirements for major to work independently in areas not included in curriculum. *Prerequisites:* Permission of departmental chair and instructor. *.25-1 unit.*

**CMSC 395 Special Topics**

Selected topics in computer science. *Prerequisite:* Permission of instructor. *.5-1 unit.*

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**CORE COURSE**

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*David E. Leary, Coordinator*

This course provides an intensive introduction to critical analysis at the college level for first-year stu-

dents. Students examine important primary texts from a number of world cultures and historical periods. The course's primary concern is to develop students' ability to analyze texts and to express their ideas about these texts and about the issues they raise. The course is required of all first-year students.

## Courses

### CORE 101-102 Exploring Human Experience

Intensive reading and analysis of important primary texts dealing with basic issues of human existence. Strong emphasis on discussion and writing. To be taken in consecutive semesters during the first year. *1-1 unit.*

## CRIMINAL JUSTICE

### *Department of Sociology and Anthropology*

*Joan L. Neff, Coordinator (Sociology)*

*Professionals from the field are employed as adjunct faculty.*

The criminal justice major is an interdisciplinary program designed to provide students with a basic understanding of significant issues in the criminal justice system. Students majoring in criminal justice select courses together with their advisor, Dr. Joan L. Neff, coordinator of the program. Upon completion of the major, students are prepared to enter a variety of fields, such as law enforcement, correctional counseling, probation and parole counseling, and criminal justice administration. In addition, many students elect to continue their education by pursuing graduate degrees in criminal justice, public administration, social work, sociology, or law.

Upper-level courses are taught on a rotating basis.

### The Criminal Justice Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

10 units, including

- SOC 207 Crime and Justice in a Post-Modern Society
- One course in philosophy, chosen from  
PHIL 260 Philosophical Problems in Law and Society  
PHIL 364 Philosophy of Law

- One course in political science, chosen from  
PLSC 331 Constitutional Law  
PLSC 333 Civil Rights/Liberties  
PLSC 337 The American Legal System
- One course in social science research methods, chosen from  
SOC 211 Sociological Research Methods and Data Analysis  
PLSC 373 Methods for Public Policy Research
- CJ 490 Senior Seminar
- Five elective units, chosen from above or  
CJ 320 Fundamentals of Criminal Law  
CJ 321 Fundamentals of Criminal Procedure  
CJ 379 Selected Topics  
CJ 388 Individual Internship  
CJ 400 Directed Independent Study  
CJ 450 Research Practicum  
PHIL 260 Philosophical Problems in Law and Society  
PHIL 364 Philosophy of Law  
PLSC 331 Constitutional Law  
PLSC 333 Civil Rights/Liberties  
PLSC 337 The American Legal System  
PSYC 319 Psychopathology  
PSYC 436 Developmental Psychopathology  
SOC 305 Conformity, Deviance and Institutions of Social Control  
SOC 311 Juvenile Delinquency  
SOC 313 Field Investigation of the Juvenile and Adult Criminal Justice Systems  
SOC 324 Law and Society

**Note:** A course used to satisfy a core requirement may not also be used as an elective unit.

### The Criminal Justice Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 units, including

- SOC 207 Crime and Justice in a Post-Modern Society
- One course in philosophy, chosen from  
PHIL 260 Philosophical Problems in Law and Society  
PHIL 364 Philosophy of Law
- One course in political science, chosen from  
PLSC 331 Constitutional Law

PLSC 333 Civil Rights/Liberties  
 PLSC 337 The American Legal System

- Two elective units selected from the list of electives for the criminal justice major, excluding CJ 388, CJ 400 and CJ 450.

**Note:** A course used to satisfy a core requirement may not also be used as an elective unit.

Students are expected to fulfill all prerequisites necessary for courses within the major or minor. Prerequisites do not count toward the major or minor unless otherwise noted.

## Courses

### CJ 320 Fundamentals of Criminal Law

Overview of general structure of substantive aspects of criminal law in the United States. Analyzes concepts of law and crime. Discusses objectives of criminal law and distinction between crimes and civil wrongs. *Prerequisite:* Political Science 331, 333, or 337 or Sociology 207 or 311; or permission of program coordinator. *1 unit.*

### CJ 321 Fundamentals of Criminal Procedure

Overview of procedural aspects of criminal law in the United States. Focuses on processing of criminal cases through the legal system and rules applied and decisions made at each point in the process. *Prerequisite:* Political Science 331, 333, or 337 or Sociology 207 or 311; or permission of program coordinator. *1 unit.*

### CJ 379 Criminal Justice: Selected Topics

Varying topics of current relevance and interest in the field of criminal justice. May be repeated for credit if topics differ. *Prerequisite:* Political Science 331, 333, or 337 or Sociology 207, 305, 311, 313, or 324; or permission of program coordinator. *1 unit.*

### CJ 388 Individual Internship

Supervised independent field work. Not available for minor credit. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of program coordinator. *.5-1 unit.*

### CJ 400 Directed Independent Study

Individually designed in-depth study of a specific topic in criminal justice. Not available for minor

credit. *Prerequisite:* Permission of program coordinator. *.5 unit.*

### CJ 450 Research Practicum

Student-designed research project. Not available for minor credit. *Prerequisite:* Permission of program coordinator. *.5-1 unit.*

### CJ 490 Criminal Justice Senior Seminar

In-depth discussion and analysis of major components of the criminal justice system: police, courts, and corrections. Not available for minor credit. *Prerequisite:* Senior status in the criminal justice major or permission of program coordinator. *1 unit.*

## DANCE

### *Department of Theatre and Dance*

*Walter Schoen, Chair*

*Associate Professors Holland, Mike, Schoen, West*

*Assistant Professor Stegmeir*

*Assistant Director of Costume and Makeup Hogg*

*Director of Dance Daleng*

*Assistant Director of Dance Van Gelder*

*Each year two professional guest artists join the faculty to work with students and in productions.*

*Additional professionals from the field also are employed as adjunct faculty members.*

### The Dance Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7). Upper-level courses are taught on a rotating basis.

6 units, including

- DANC 250 Dance History
- DANC 255 Choreography
- Performance, two units chosen from
  - DANC 238 Introduction to Contact Improvisation
  - DANC 248 Introduction to Movement Improvisation
  - DANC 256 Beginning Jazz Dance
  - DANC 257 Beginning Ballet
  - DANC 258 Writing from the Body: Words and Movement
  - DANC 259 Beginning Tap Dance
  - DANC 260 Beginning Modern Dance



DANC 261 Intermediate Jazz Dance  
 DANC 262 Intermediate Tap Dance  
 DANC 263 Intermediate Modern Dance  
 DANC 266 Intermediate Ballet  
 DANC 306 University Dancers  
 DANC 316 Repertory  
 DANC 356 Pointe and Variations  
 DANC 361 Advanced Jazz Dance  
 DANC 362 Advanced Tap Dance  
 DANC 363 Advanced Modern Dance  
 DANC 366 Advanced Ballet

- Technical Theatre/Theatre Design, one unit chosen from
  - THTR 201 Stagecraft
  - THTR 202 Stage Lighting
  - THTR 206 Introduction to Costume
  - THTR 213 Fundamentals of Stage Makeup
  - THTR 301 Scene Design
  - THTR 302 Scene Painting
  - THTR 322 Advanced Costume Design
- Acting or Stage Lighting, one unit chosen from
  - THTR 202 Stage Lighting
  - THTR 212 Basics of Acting
  - THTR 327 Acting Shakespeare I
  - THTR 328 Acting Shakespeare II

**Note:** No course units can be counted twice. Theatre 330-341 (Practica) and Theatre 388 (Individual Internship) cannot be counted toward the dance minor.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

## Related Fields

Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors

## Courses

### DANC 238 Introduction to Contact Improvisation

The practice and exploration of contact improvisation, an improvised movement form that relies on partners in constant physical dialog and connection. Class is devoted to developing balance, strength, flexibility, trust, support, weight-sharing, risk-taking, play, and body awareness. The class is ideal for students pursuing dance, theater, biology,

psychology, or anyone wanting a physical challenge. *1 unit. (FSVP)*

### DANC 248 Introduction to Movement Improvisation

Focus on unraveling habitual ways of moving to discover impromptu motion and new patterns in groups, duets, and alone. A range of contemporary theoretical, artistic, and ethnographic techniques from American and international improvisers will be explored for strategies, techniques, motivations, and process. *1 unit. (FSVP)*

### DANC 250 Dance History

Study of the development of dance in Western culture from its primitive beginnings to present. Students will create dance sequences in movement labs. *1 unit. (FSVP)*

### DANC 255 Choreography

Study of choreographic process covering fundamentals of movement composition. Studio time includes improvisation and choreography. *Prerequisite:* Department approval. *1 unit. (FSVP)*

### DANC 256 Beginning Jazz Dance

Introduction to jazz dance as an eclectic form of artistic expression with emphasis on rhythm and technique. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *1 unit. (FSVP)*

### DANC 257 Beginning Ballet

Introductory course in ballet as a theatrical art form. Study of basic ballet terminology, understanding of correct body placement, and a general knowledge of performing elementary ballet technique. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *1 unit. (FSVP)*

### DANC 258 Writing from the Body: Words and Movement

Reflection on how one moves through the world and how experience gets articulated. Class is devoted to exercises that generate movement and writing, both used as gateways to the other. *1 unit. (FSVP)*

### DANC 259 Beginning Tap Dance

Introduction to tap dance, a theatrical form of artistic expression with development of a movement vo-

cabulary based on rhythms made with taps. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *1 unit. (FSVP)*

### **DANC 260 Beginning Modern Dance**

Introduction to modern dance as a diverse form of expression with development of language of movement. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *1 unit. (FSVP)*

### **DANC 261 Intermediate Jazz Dance**

Continuation of beginning jazz, emphasizing intermediate technique, vocabulary, and style. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Previous jazz technique. 1 unit.*

### **DANC 262 Intermediate Tap Dance**

Continuation of beginning tap dance, emphasizing intermediate technique using movement to build strength and coordination. Syncopated rhythms are explored with the sounds of the taps. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Previous tap dance technique. 1 unit.*

### **DANC 263 Intermediate Modern Dance**

Continuation of beginning modern dance, emphasizing intermediate technique and development of an aesthetic vocabulary of contemporary modern dance. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Previous modern dance technique. 1 unit.*

### **DANC 266 Intermediate Ballet**

Continuation of beginning ballet, emphasizing intermediate technique and vocabulary. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Previous ballet technique. 1 unit.*

### **DANC 306 University Dancers**

Technique, rehearsal, and performance of dance works choreographed by dance faculty, students, and visiting choreographers. May be repeated for credit. *Prerequisite: Audition or invitation of director. .5 unit.*

### **DANC 312 Special Topics in Dance**

Offered on an as-needed basis. Representative topics include ballet, jazz, modern, tap, dance history, advanced choreography, dance theory, music for dancers, kinesiology, and pointe. *.5-1 unit.*

### **DANC 315 Independent Study**

Restriction: Prospectus must be submitted and approved prior to the end of advance registration. *Prerequisite: Permission of instructor. .5-1 unit.*

### **DANC 316 Repertory**

Students in the repertory class are members of University Dancers, and will spend the fall semester learning, rehearsing, and collaborating on a new piece of choreography by one of the University of Richmond's dance faculty or a guest artist. *Prerequisite: Dance 306 (corequisite). .5 unit.*

### **DANC 356 Pointe and Variation**

For advanced ballet students to continue training in pointe work. Study of classical variations in a historical context and performance of these variations in an informal showing. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Must be able to dance on pointe at the intermediate or advanced level. 1 unit.*

### **DANC 361 Advanced Jazz Dance**

Continuation of intermediate jazz, emphasizing advanced technique, vocabulary, and style. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Previous intermediate jazz technique. 1 unit.*

### **DANC 362 Advanced Tap Dance**

Continuation of intermediate tap dance, emphasizing advanced technique using movement to build strength and coordination. Syncopated rhythms are explored with the sounds of the taps. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite: Previous intermediate tap dance technique. 1 unit.*

### **DANC 363 Advanced Modern Dance**

Continuation of intermediate modern dance, emphasizing advanced technique and developing an aesthetic vocabulary of contemporary modern dance. Students are required to critique live dance concerts

as well as conduct research on a relevant topic. *Prerequisite:* Previous intermediate modern dance technique. *1 unit.*

### **DANC 366 Advanced Ballet**

Continuation of intermediate ballet, emphasizing advanced technique and vocabulary. Students are required to critique live dance concerts as well as conduct research on a relevant topic. *Prerequisite:* Previous intermediate ballet technique. *1 unit.*

## **ECONOMICS**

### *Department of Economics*

*Robert M. Schmidt, Chair*

*Professors Dolan, McGoldrick, Schmidt, Wight*

*Associate Professors Cook, Craft, Croushore, Dean,*

*Monks, Nicholson, Yates*

*Assistant Professors Asaftei, Buyukkarabacak, Datta,*

*Mykhaylova*

*David Meade White Distinguished Teaching Fellow*

*Dolan*

### **The Economics Major for the Bachelor of Arts Degree**

**Note:** A grade point average of C (2.00) is required in the major with no course grade below a C- (1.7) in an economics course required for the major.

11.5 units, including

- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 271 Microeconomic Theory
- ECON 272 Macroeconomic Theory
- Four units of economics electives (at least two of which must be at the 300 level)
- ECON 480 Senior Capstone Seminar or ECON 491 Honors Thesis in Economics
- BUAD 203 Software Tools and Applications
- BUAD 201 and 301 or MATH 329 and 330

**Note:** Majors are strongly encouraged to take Economics 101 and 102 during their first year, and Economics 271 and 272 during their second year. A basic foundation in calculus (e.g., MATH 211 or MATH 231) is required for Economics 271.

Students may plan their course load to pursue a general major in economics or to study a specific area in economics. Voluntary elective fields have

been developed in the areas of business economics, international economics, economic history, public policy, and quantitative economics. Students are encouraged to speak with their academic advisor about the options available to them. Students interested in pursuing a graduate degree in economics are encouraged to seek advice concerning the honors program in economics, the combined major in mathematical economics, and/or taking MATH 235 Multivariate Calculus, MATH 312 Differential Equations, and MATH 245 Linear Algebra.

### **The Economics Minor**

**Note:** A grade point average of C (2.00) is required in the minor with no grade less than C- (1.7).

6 units, including

- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 271 Microeconomic Theory
- ECON 272 Macroeconomic Theory
- Two units of economics electives (at least one of which must be at the 300 level)
- A basic foundation in calculus (e.g., MATH 211 or MATH 231) is required for Economics 271

### **Related Majors**

- Mathematical Economics
- International Studies: International Economics
- Economics (B.S.B.A. degree)
- Business Administration

### **Courses**

#### **ECON 101 Principles of Microeconomics**

Provides students with the analytical perspective to think critically about the market system and social objectives it may serve. Topics include supply and demand, market structure, production, market failure (e.g., pollution), and benefits and costs of government intervention. *1 unit. (FSSA)*

#### **ECON 102 Principles of Macroeconomics**

The study of national income determination within a global economy. Topics include inflation, unemployment, GDP determination, money supply, balance of payments, currency markets, and role of fiscal and monetary policies. Students who have not taken Economics 101 should notify their instructor on the first class day and will be required to spend extra time outside of class

on supply and demand. *Prerequisite:* Economics 101 is recommended but not required. *1 unit.*

### **ECON 105 Introduction to Global Economics**

Survey of international economic issues for nonmajors. The U.S.'s role in the global economy is covered analytically, historically, and institutionally, with special attention given to balance of payments analysis, exchange rate determination, gains from trade, trade policy, the IMF, GATT, and other topics. Note: This course has no prerequisites and fulfills no prerequisites for other economics or business courses. Cannot be used as an elective towards the arts and sciences or business school economics major or towards the business administration major. *1 unit.*

### **ECON 200 The Economics of Money, Banking and Financial Markets**

Role and functions of money; operation of financial institutions; structure and influence of Federal Reserve System; effects of money and credit on economic activity. *Prerequisites:* Economics 101 and 102. *1 unit.*

### **ECON 210 The Economics of the European Union**

Comparative analysis of European and United States' economics systems, including a review of the evolution of the European Union. Although the scope of the course is primarily European, Japan and China also are studied. *Prerequisites:* Economics 101 and 102. *1 unit.*

### **ECON 211 Economic Development in Asia, Africa and Latin America**

Comparative analysis of economic growth, income and wealth distribution, trade and finance, population, agriculture, and industrialization in Latin America, Africa, and Asia. *Prerequisites:* Economics 101 and 102. *1 unit.*

### **ECON 220 History of Economic Thought**

Survey of development of economic analysis with emphasis on contributions from Adam Smith through J.M. Keynes. *Prerequisites:* Economics 101 and 102. *1 unit.*

### **ECON 221 American Economic History**

Use of economic theory and methods to study American history with special emphasis on economic growth. Topics include Native American develop-

ment up to the arrival of Europeans, transportation revolutions, slavery, agriculture and monetary controversies in the late 19th century, health and nutrition, immigration, technological change, the Great Depression and New Deal, and civil rights. *Prerequisites:* Economics 101 and 102. *1 unit.*

### **ECON 230 Environmental Economics**

Development and application of economic principles to understand and evaluate causes and solutions to environmental problems such as pollution and conservation. Topics include economics of biodiversity protection, global warming, natural resource damage assessment, measurement of environmental values, and alternative strategies for pollution control. Special attention given to optimal use of exhaustible and renewable natural resources. (Same as Environmental Studies 230). *Prerequisite:* Economics 101. *1 unit.*

### **ECON 231 Law and Economics**

Application of economic analysis to legal concepts. Using goals of efficiency and wealth maximization, shows how economic theory can unify property law, contract law, tort law, criminal law, and family/sex law, as well as offer new insights to old problems. *Prerequisite:* Economics 101. Business Administration 301 or Mathematics 119 encouraged. *1 unit.*

### **ECON 232 The Economics of Gender**

Uses economic methods to explore how gender differences lead to different economic outcomes for men and women, both within families and in the marketplace. Topics covered include allocation of time between the household and the labor market, consequences of employment for family structure, theories of discrimination, and occupational segregation. Historical trends and cross-cultural comparisons are discussed at length. Policy areas studied include anti-poverty programs, comparable worth, affirmative action, antidiscrimination legislation, parental leave, and provision of child care. Finally, while the focus of the analysis of gender and economics is on the U.S., such findings are not universal and the semester concludes with international comparisons that demonstrate important differences. *Prerequisites:* Economics 101 and 102. *1 unit*

**ECON 260 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues. *Prerequisites:* Economics 101 and 102. *.5-1 unit.*

**ECON 269 Independent Study**

Specialized study or directed research in an area of economics. *Prerequisites:* A written outline worthy of academic credit and permission of departmental chair. *.5-1 unit.*

**ECON 271 Microeconomic Theory**

Theory of price determination in both output and input markets; in-depth analysis of behavior of individual consumers, firms, and industries under various market structures; theories of exchange and distribution. *Prerequisites:* Economics 101 and 102 and Mathematics 211 or 231. *1 unit.*

**ECON 272 Macroeconomic Theory**

Theory of national income determination; short/medium-run monetary and fiscal policy issues are examined using Keynesian and New Classical models; long-run analysis focuses on recent extensions of the neoclassical growth model. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 300 Industrial Organization and Public Policy**

Designed to identify features of industries with various degrees of competition. Issues to be explored include: identifying dominant firm, tight or loose oligopoly, competitive, and monopoly industries; product vs. geographic markets; technological innovations; collusion, product differentiation; mergers; advertising; efficiency; price discrimination; etc. In addition, antitrust policies will be reviewed as they pertain to these issues. *Prerequisites:* Economics 101, 102, and 271. *1 unit.*

**ECON 310 International Trade and Finance**

Introduction to basic argument for free trade with emphasis on general equilibrium analysis; survey of trade restrictions including theory on tariffs, quotas, subsidies, and preferential trade agreements; international monetary theory; determination of exchange rates in spot and forward markets; extension of national income model to international markets. *Prerequisite:* Economics 271. *1 unit.*

**ECON 330 Environmental and Resource Economic Theory**

A rigorous treatment of environmental and resource issues, with particular emphasis on problem of designing appropriate institutions and regulations under uncertainty. Topics include emission fees and marketable permits; enforcement, risk regulation, the economics and regulation of the fishery; depletion of nonrenewable resources; and forest use. (Same as Environmental Studies 330.) *Prerequisites:* Economics 101, 102 and 271. *1 unit.*

**ECON 331 Labor Economics**

Economic analysis of labor markets including labor supply, investment in human capital, labor demand, and wage determination. Policy issues include labor unions, discrimination, and analysis of government programs affecting labor markets. *Prerequisites:* Economics 101, 102, and 271. *1 unit.*

**ECON 332 Public Economics**

Economic analysis of government spending and taxation with particular emphasis on current public policy issues (e.g., social security, health care, and fundamental income tax reform). *Prerequisites:* Economics 101, 102 and 271. *1 unit.*

**ECON 333 Federal Reserve Challenge Preparation**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Students prepare for the Fed Challenge, competing for a position on the team based on their knowledge of current events, the determinants of monetary policy, and communication skills. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund. *Prerequisites:* Economics 200 or 272 and permission of instructor. *.25 unit.*

**ECON 334 Federal Reserve Challenge Competition**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Select students prepare and present a mock policy briefing in the Fed Challenge competition at the Federal Reserve Bank of Richmond. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed

Investment Fund. *Prerequisites:* Economics 200 or 272 and permission of instructor .25 *unit*.

### **ECON 340 Econometrics**

Development of the theory, methodology and application of econometric topics of the classical linear regression model as well as model extensions including dummy and limited-dependent variables, time-series analysis, forecasting, and simultaneous equation systems. Excel, SPSS, and SAS are used in weekly computer lab sessions. *Prerequisites:* Economics 101 and 102 and Business Administration 301 or Mathematics 330. *1 unit*.

### **ECON 341 Mathematical Economics**

Examines various economic concepts by means of mathematical analysis. *Prerequisites:* Economics 101, 102 and 271 and Mathematics 212 or 232. *1 unit*.

### **ECON 360 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues. *Prerequisite:* A core course to be announced. *.5-1 unit*.

### **ECON 369 Independent Study**

Specialized study or directed research in an area of economics. *Prerequisites:* Economics 271 and/or 272, a written outline worthy of advanced credit and permission of departmental chair. *.5-1 unit*.

### **ECON 372 Advanced Macroeconomics**

Examination of selected topics in macroeconomics beyond the basic theory level covered in Economics 272. Topics may include forecasting; time-series econometrics; growth theory; analysis of dynamic, stochastic general-equilibrium models; and open-economy macroeconomics. *Prerequisites:* Economics 272 and Business Administration 301. *1 unit*.

### **ECON 480 Senior Capstone Seminar**

Utilizes theoretical and applied economic models from previous economics courses. Semester assignments guide students through a major research project of one of the following forms: contemporary economic analysis, historical economic analysis, viewpoints in economic analysis, or quantitative economic analysis. Students develop an economic question; gain access to existing knowledge; demonstrate command of existing knowledge; use existing knowledge to explore an issue of interest; understand the steps to complete

a substantial research project; and sharpen written communication skills. Participation in the honors program fulfills the capstone requirement. *Prerequisites:* Economics 271 and 272, Business Administration 301, and senior standing. *1 unit*.

### **ECON 490 Honors Seminar in Economics**

Honors seminar. *Prerequisite:* Departmental invitation. *1 unit*.

### **ECON 491 Honors Thesis in Economics**

Capstone independent research project and honors paper. Participation in the honors program fulfills the capstone requirement. *Prerequisite:* Departmental invitation. *1 unit*.

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## **EDUCATION**

### *Department of Education*

*Patricia Stobr-Hunt, Chair*

*Associate Professor Brown*

*Assistant Professor Stobr-Hunt*

*Director of Field Placement Moore*

*Director of Curriculum Materials Center (CMC) Joyce*

### **State-Approved Teacher Licensure Programs at the University of Richmond**

The Teacher Preparation Program at the University of Richmond prepares teachers for licensure in Elementary Education (preK-6), Secondary Education (6-12) or Comprehensive Education (preK-12). The University of Richmond was first granted an Approved Teacher Education Program by the Virginia State Board of Education in 1972. Since that time, the University's Department of Education has maintained approved program status and, as such, participates in reciprocity of licensure with states that have interstate agreements with Virginia. Currently Virginia has licensure reciprocity with 48 states, territories and the District of Columbia.

In order for programs to remain current with licensure regulations as mandated by the Virginia State Department of Education, the requirements as stated may be subject to change. Please check with the department for the most recent version of licensure and program requirements.

## Title II Results

In October 1998, the U.S. Congress enacted amendments to the Higher Education Act (HEA). As amended, Title II of the HEA addressed the issue of the quality of teacher preparation by doing two things:

1. It authorized new federal grant programs to support states, institutions of higher education, and their school district partners, in improving the recruitment, preparation, and support of new teachers.
2. Title II also included new accountability measures: reporting requirements for institutions and states on teacher preparation and licensing.

The University of Richmond Institutional Report contains:

- Program completion pass rates
- Basic features of the teacher preparation program
- Whether the teacher preparation program has been classified as “low performing”
- Supplemental information the institution believes is important to providing necessary context

We at the University of Richmond are very proud of the accomplishments of our teacher education graduates, and hope that you find this information useful. For the most current data regarding the pass rates of students in our programs, visit our Web site at: [education.richmond.edu/](http://education.richmond.edu/).

## Mission and Goals

Undergraduate teacher education at the University of Richmond is a campus-wide responsibility, designed to ensure that all of our students are knowledgeable professionals who possess both a theoretical and practical knowledge base. Students acquire a broad undergraduate background of essential intellectual skills through the liberal arts and sciences based on the University’s general education requirements, upon which students then build concentrated study in their major field of study.

The mission of the Teacher Preparation Program at the University of Richmond is to improve the understanding and practice of teaching and learning in preK-12 environments through reflective thought. Graduates are prepared to apply deep and broad content knowledge through multiple pedagogies in diverse settings while demonstrating a commitment to professionalism.

Based on this mission, the goals for the education minor are:

### Goal 1

Develop candidates who are knowledgeable about learners and are able to employ instructional strategies that meet the needs of all students, including students with disabilities, gifted students, students with limited proficiency in English, and students with diverse cultural needs.

### Goal 2

Develop candidates who have a rich understanding of the subject(s) they teach and appreciate how knowledge in their subject is created, organized, linked to other disciplines, and applied to real-world settings.

### Goal 3

Develop candidates who are able to employ best practices in the planning, delivery, and assessment of instruction so that they may transform content for teaching purposes in ways that make it accessible and meaningful to students.

### Goal 4

Develop candidates who have the knowledge and skills to bring the highest levels of professionalism to their practice as instructional leaders and have the disposition to reflect upon and change that practice as necessary.

## Education Minor

Students seeking teacher licensure in the state of Virginia cannot major in education. They must major in another liberal arts area and complete the teacher preparation program. Education is not, therefore, an academic major at the University of Richmond. Students who complete the requirements of the Teacher Preparation Program prior to degree conferral will receive a minor in education.

### Admission to the Program

Students interested in becoming teachers should contact the Department of Education to meet with an education faculty member to discuss program requirements. All students seeking to enroll in the Teacher Preparation Program must formally apply for admission and submit

- A completed application form
- A Statement of Intent
- Official scores on ONE of the following tests: 1) Praxis I - minimum scores of 178 for reading, 176 for writing and 178 for mathematics; 2) SAT - minimum score of 1100, with a minimum score of 530 on verbal and minimum score of 530 on math; 3) ACT - minimum composite score of 24, with a minimum of 22 on math and a minimum combined score of 46 on English and reading
- Evidence of a minimum cumulative grade point average of 2.70

## Academic Requirements

All formally accepted students must maintain a grade point average of 3.00 in education and a cumulative grade point average of 2.70 to remain in the program and be eligible for student teaching. No more than one grade of C is allowed in education course work. Therefore, students who earn more than one grade of C in education courses must repeat those courses and earn higher grades or they will not be permitted to remain in the program.

## Teacher Preparation Program Chronology

With careful planning, most students can complete all degree requirements and the Teacher Preparation Program in four years. In some cases, students may choose to return for the student teaching semester after graduation. Students who do this should note that while they will be recommended for licensure upon completion of the program, they cannot earn a minor if the full program is not completed BEFORE graduation.

### Year One

Students interested in becoming licensed to teach should contact the Department of Education during their first year at the University and arrange to meet with a faculty advisor. Students may begin courses in the education sequence. If necessary, students should arrange to take the Praxis I exam before the end of their first year.

### Year Two

Students must submit a formal application to the program and return the completed forms to the Department of Education no later than October 15 of

the fall semester or March 15 of the spring semester. Students declare education as a minor only after they have been officially accepted into the program. Students continue with courses in the education sequence appropriate to the minor they have declared.

### Year Three

Students continue with courses in the education sequence appropriate to the minor they have declared. During the spring semester of this year, students apply for the student teaching experience that will occur during the fall semester of the fourth year. Students must maintain a cumulative grade point average of 2.70, and a cumulative grade point average of 3.00 in education, to be eligible for student teaching.

### Year Four

Students complete the semester-long student teaching experience and accompanying seminar. Students must take and submit passing scores on all required exams for their licensure area. Students should consult their faculty advisor in the Department of Education for information about this requirement. Students must also complete a Career Development Center placement file and licensure application forms. (The Department of Education will forward applications and recommendations for licensure only for those students who complete the student teaching experience through the University of Richmond.)

## Licensure for Teachers

Licensure application forms may be obtained from, and when complete should be returned to, the Department of Education at the University of Richmond. With the licensure application, students also must submit (1) official transcripts of all college work including transfer credit, (2) passing scores on all required licensure exams, and (3) a money order or cashier's check made payable to the State Department of Education to cover the application fee. Upon satisfactory completion of degree requirements and the University's Approved Teacher Education Program, and upon receipt of the required licensure materials, the Virginia State Department of Education will issue a Collegiate Professional License that is valid for five years and renewable with additional professional and/or college credit.



### Core Requirements

All students seeking licensure engage in a series of professional courses and field experience that serve as the foundation of the programs. These include:

- Professional Courses: Foundations of Education, Diverse Learners and Environments, Introduction to Instructional Technology and Classroom, and Behavior Management
- Field Experience: Integrated course-related practica and observation experiences
- Program-Specific Courses: Courses vary depending on the level and area of endorsement
- Student Teaching: Fifteen weeks of full-time experience in local school divisions, Student Teaching Seminar

### Elementary Education (preK-6)

Students seeking elementary licensure MUST complete the requirements for ANY liberal arts major. Students majoring only in business or leadership studies are NOT eligible for a teaching license in Virginia. Elementary education sequence:

12 units, including

- EDUC 205 Foundations of Education
- EDUC 207 Diverse Learners and Environments
- EDUC 250 Introduction to Instructional Technology
- EDUC 306 Integrated Curriculum Methods
- EDUC 310 Emergent Literacy
- EDUC 311 Instructional-Level Literacy
- EDUC 327 Foundations of Math Instruction
- EDUC 365 Elementary Reading Practicum
- EDUC 366 Elementary Math Practicum
- EDUC 375 Classroom and Behavior Management
- EDUC 475 Student Teaching, Elementary Education (preK-6)
- EDUC 485 Student Teaching Seminar

### Secondary (6-12) Education

Students seeking secondary licensure MUST complete the requirements for a liberal arts major in one of the following areas: biology, chemistry, English, history, mathematics, or physics. For some endorsement areas, additional methods and/or subject-spe-

cific courses are required for licensure. Secondary education sequence:

10 units, including

- EDUC 205 Foundations of Education
- EDUC 207 Diverse Learners and Environments
- EDUC 250 Introduction to Instructional Technology
- EDUC 342 Secondary Curriculum Methods
- EDUC 352 Content Area Literacy
- EDUC 367 Middle School Practicum
- EDUC 368 Secondary School Practicum
- EDUC 375 Classroom and Behavior Management
- EDUC 477 Student Teaching, Secondary (6-12)
- EDUC 485 Student Teaching Seminar

### Comprehensive (preK-12) Education

Students seeking comprehensive licensure MUST complete the requirements for a liberal arts major in one of the following areas: French, German, Latin, Latin American and Iberian studies, or studio art. For some endorsement areas, additional methods and/or subject-specific courses are required for licensure. Comprehensive education sequence:

10 units, including

- EDUC 205 Foundations of Education
- EDUC 207 Diverse Learners and Environments
- EDUC 250 Introduction to Instructional Technology
- EDUC 342 Secondary Curriculum Methods
- EDUC 352 Content Area Literacy
- EDUC 367 Middle School Practicum
- EDUC 368 Secondary School Practicum
- EDUC 375 Classroom and Behavior Management
- EDUC 478 Student Teaching, Comprehensive (preK-12)
- EDUC 485 Student Teaching Seminar

### Subject Area Endorsements

For all endorsement areas, students seeking a particular endorsement must meet the requirements of that major. The state of Virginia has specified competencies and courses for the endorsements listed below.

**English Endorsement**

Students seeking the English endorsement must meet the requirements of the English major. Combined majors in English do NOT meet the standard for this endorsement. Additionally, the following courses and/or experiences are required:

- ENGL 304 Shakespeare
- ENGL 381 Modern Grammar
- Completion of one of the following: 1) teaching of writing tutorials; or 2) ENGL 383 Introduction to Composition Theory and Pedagogy

**Foreign Language Endorsements**

Students seeking a language endorsement must meet the requirements of the major in French, German Studies, Latin, or Latin American and Iberian Studies. Additionally, the following courses and/or experiences are required:

***French, German, and Latin American and Iberian Studies***

- MLC 410 The Teaching of a Modern Second Language

***Latin***

- LATN 411 The Teaching of High School Latin

***Additional Foreign Language Endorsements***

Students completing the requirements for an endorsement in French, German, or Spanish may add an endorsement in another language by submitting passing scores on the Praxis II subject assessment in that language.

**History and Social Science Endorsement**

Students seeking the history and social science endorsement must meet the requirements of the history major. Additionally, the following courses and/or experiences are required:

- PLSC 220 Introduction to American Government
- One course in Economics (ECON)
- Completion of one of the following: 1) teaching of geography tutorials; or 2) one course in geography

**Mathematics Endorsement**

Students seeking the mathematics endorsement must meet the requirements for either the Bachelor of Arts or Bachelor of Science degree in mathematics.

**Visual Arts Endorsement (preK-12)**

Students seeking the visual arts endorsement must meet the requirements of the studio art major.

**Add-On Endorsement Requirements**

Students who meet the endorsement requirements for ANY teaching area may apply for an add-on endorsement if they meet the requirements for a minor that is compatible with one of the following licensure (endorsement) areas:

- Computer Science
- Dance (preK-12)
- Journalism
- Mathematics - Algebra I
- Speech Communication
- Theatre Arts (preK-12)

**Science Endorsements*****Biology***

Students seeking the biology endorsement must meet the requirements of the biology major. The biochemistry major does NOT meet the standard for this endorsement.

***Chemistry***

Students seeking the chemistry endorsement must meet the requirements of the chemistry major.

***Physics***

Students seeking the physics endorsement must meet the requirements for the Bachelor of Science degree in physics. In addition, we highly recommend PHYS 215 Computational Methods in Physics as part of the major.

***Additional Science Endorsements***

Students completing the requirements for an endorsement in biology, chemistry, or physics may add an endorsement in another science by submitting passing scores on the Praxis II subject assessment in that subject.

## Courses

### EDUC 205 Foundations of Education

Introduction to the American educational system. Explores the philosophical, sociological, historical, and political roots of schools today. Attention also given to the legal status of teachers and students, including federal and state laws and regulations, school as an organization/culture, and contemporary issues in education. *Prerequisite:* School of Arts and Sciences students only. *1 unit.*

### EDUC 207 Diverse Learners and Environments

Introduction to the wide range of diversity that exists across today's general school population and examination of the increased professional demands that inclusion makes upon teachers. Exploration of physical, social, emotional, intellectual development, individual learning styles, and prior learning as well as language, culture, family and community values, and how they influence student learning. Study of differentiated instructional approaches to learning and performance while focusing on the strengths and needs of diverse learners. Field experience in public school settings is required. *Prerequisite:* School of Arts and Sciences students only. *1 unit.*

### EDUC 250 Introduction to Instructional Technology

Theory and pedagogy of using technology for instruction in all areas of the preK-12 curriculum. Develops the understanding and skills necessary to confidently plan for, implement, and evaluate effective integration of technology across the curriculum, as well as the use of technology to enhance personal productivity. *.5 unit.*

### EDUC 306 Integrated Curriculum Methods

Introduces use of appropriate methods and assessments to help learners develop knowledge and basic skills, sustain intellectual curiosity, and problem solve. Examines selection of strategies and procedures to enhance classroom instruction and support learners in achievement of the Virginia Standards of Learning. Explores curriculum integration and subject-specific methodology in science and social studies. *Prerequisite:* Education 205 or 207. *1 unit.*

### EDUC 310 Emergent Literacy

Focuses on the developmental reading skills of emergent and beginning readers. Instructional focus will be placed upon teaching strategies and activities for teaching readiness, word attack skills, beginning comprehension skills, as well as early literacy assessment and intervention for at-risk learners. Requires concurrent registration in Education 365, Elementary Reading Practicum. *Prerequisite:* Education 250. *1 unit.*

### EDUC 311 Instructional Level Literacy

Focuses on how students comprehend and learn with text. Participants will read, discuss, view and use instructional strategies that promote understanding of narrative and expository texts used in sciences, social sciences, and humanities. *Prerequisite:* Education 310. *1 unit.*

### EDUC 312-313-314 Independent Study in Education

Special projects and practical experience in educational programs. *Prerequisite:* Permission of department. *.25-1 unit.*

### EDUC 327 Foundations of Math Instruction

In-depth examination of fundamental mathematical concepts and methods of teaching elementary math for understanding. Course content emphasizes and integrates state and national curriculum standards, problem-solving approaches, use of manipulatives and technology, current research, and learning theory. Requires concurrent registration in Education 366, Elementary Mathematics Practicum. *Prerequisite:* Education 250. *1 unit.*

### EDUC 342 Secondary Curriculum Methods

Process of establishing appropriate goals and objectives for instruction in middle and secondary schools targeting diverse learners. Use of objectives in planning of instruction and assessment, with attention to design of traditional and alternative assessment theories and practices. Development of wide variety of teaching methods addressing the needs of gifted, general, and special education students. *Prerequisite:* Education 250. *1 unit.*

**EDUC 352 Content Area Literacy**

Reading and critical thinking in middle and secondary school content areas. Specific strategies are explored that enhance comprehension, concept development, and vocabulary knowledge. Effects of text organization and relationship between reading and writing are examined for all content areas. *Prerequisite:* Education 250. *1 unit.*

**EDUC 365 Elementary Reading Practicum**

Weekly field experience under the guidance of a classroom teacher focused on the teaching of reading in the early elementary grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons. *Prerequisite:* Education 310 (corequisite). *.5 unit.*

**EDUC 366 Elementary Mathematics Practicum**

Weekly field experience under the guidance of a classroom teacher focused on the teaching of mathematics in the upper elementary grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons. *Prerequisite:* Education 327 (corequisite). *.5 unit.*

**EDUC 367 Middle School Practicum**

Weekly field experience under the guidance of a classroom teacher focused on the teaching of subject-specific content in the middle school grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons. *.5 unit.*

**EDUC 368 Secondary School Practicum**

Weekly field experience under the guidance of a classroom teacher, focused on the teaching of subject-specific content in the secondary grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons. *.5 unit.*

**EDUC 375 Classroom and Behavior Management**

Introduction to learning and curriculum theories and analysis of how they contribute to the understanding and application of classroom management techniques. Emphasis on individual interventions, including techniques to promote educational well-being, maximize learning time, increase motivation, and address inappropriate behavior. Examination of approaches based on theory and practice to meet the needs of diverse learners. *Prerequisite:* Education 327 or 342. *1 unit.*

**EDUC 451 Survey of Children's Literature**

Survey of modern and traditional literature with emphasis on evaluative criteria used in selecting books based on school and recreational needs and interests of children. Features storytelling, creative dramatics, and ways of integrating books into curriculum. *1 unit.*

**EDUC 475 Student Teaching, Elementary Education (preK-6)**

Involves working directly with students in classroom on full-time basis under direction of cooperating teacher and University supervisor; student assumes full teacher responsibility for all instructional periods and school activities. Weekly seminar. Graded pass/fail; however, a comprehensive evaluation is completed for each student teacher. *Prerequisite:* Department approval. *3 units.*

**EDUC 477 Student Teaching, Secondary Education (6-12)**

(See description under Education 475.) *Prerequisite:* Department approval. *3 units.*

**EDUC 478 Student Teaching, Comprehensive Endorsement (preK-12)**

(See description under Education 475.) *Prerequisite:* Department approval. *3 units.*

**EDUC 485 Student Teaching Seminar**

Weekly seminar for student teachers. Provides a forum for discussion and examination of critical issues related to students' teaching responsibilities and competence. Also provides guidance in the preparation of the Teacher Work Sample. *Prerequisite:* Education 475, 477, or 478 (corequisite). *.5 unit.*

## ENGLISH

### *Department of English*

*Suzanne Jones, Chair*

*Professors Dance, Givens, Hickey, Hilliard, S. Jones*

*Associate Professors Ashe, Cheever, Gruner, Henry,*

*Hewett-Smith, MacAllister, Russell, Saal, Schwartz,  
Stevens*

*Assistant Professors Lurie, Pelletier, Wadman*

*Director of ESL Services Grove*

*Director of Writing Center Essid*

### The English Major

**Note:** A grade of C (2.0) or better is required in all coursework comprising the English major.

10 units, including

- ENGL 297 Literature in Context: Genre and Mode
- ENGL 298 Literature in Context: Texts in History
- Two courses from Group A, courses in literature before the early to mid-19th century
- Two courses from Group B, courses in literature after the early to mid-19th century
- Two additional courses at the 300 or 400 level;
- Two seminars, one in the junior year and one in the senior year

### The English Minor

**Note:** A grade of C (2.0) or better is required in all coursework comprising the English minor.

6 units, including

- ENGL 297 Literature in Context: Genre and Mode
- ENGL 298 Literature in Context: Texts in History
- One course from Group A, courses in literature before the early to mid-19th century
- One course from Group B, courses in literature after the early to mid-19th century
- One additional literature course (not writing) at the 300 or 400 level;
- One seminar taken in the junior or senior year

### The Creative Writing Minor

**Note:** A grade of C (2.0) or better is required in all coursework comprising the creative writing minor.

6 units, including

- ENGL 384 Introduction to Creative Writing
- Two writing courses, chosen from
  - ENGL 385 Fiction Writing
  - ENGL 386 Poetry Writing
  - ENGL 387 Writing for the Stage
  - ENGL 392 Creative Nonfiction Writing
  - ENGL 397 Selected Topics in Writing
- One 200- or 300-level English course in literature
- One additional 300-level English course, either in literature or in writing
- ENGL 401 Creative Writing Seminar

### Honors Program

To earn honors in English, a major must complete English 498, Honors Seminar. The student also must complete English 499, Honors Thesis. Units earned for English 498 and 499 are in addition to the 10 units required in the English major. Honors students also designate two of the courses from their major program as honors courses. In each case, the instructor, in consultation with the student and honors coordinator, determines an appropriate honors component for the course. Students must have attained a departmental GPA of 3.50 by the beginning of the fall semester of the senior year. They also must maintain that GPA through the completion of the program and an overall GPA of no less than 3.30 while in the program. The thesis must be submitted to a faculty committee in the spring of the student's senior year. Honors will be granted only to those students whose theses meet departmental standards. Students should declare their intention to seek honors and meet with the honors coordinator in their sophomore year. Students who have not declared by the second semester of their junior year are disqualified from further honors consideration. Those who have declared that they are seeking honors will be considered candidates until they fail to meet one of the program's requirements. For further information and advice on standards and curriculum, see the honors coordinator.

### Related Majors

Combined majors in

- English/classics
- English/French
- English/German

- English/Greek
- English/Latin
- English/Russian
- English/theatre
- English/women, gender and sexuality studies

Interdisciplinary concentrations in

- comparative literature
- Medieval and Renaissance studies

## Allied Fields

To enrich the value of the major in English by doing focused work in an allied field, students have the option of taking four courses in one of the following fields: art history, classics (literature in the original language or in translation), history, philosophy, religion, theatre, and the modern literatures (Chinese, French, German, Italian, Japanese, Russian, or Spanish). Students are expected to select four courses that seem relevant to, or that promise to complement, the study of English. In making the selections, a student must consult both with the major advisor in English and with a secondary advisor in the allied field. Students who successfully complete an allied field option will receive a certificate and a letter of recognition at the time of Commencement.

## Courses

### ENGL 100A-100B Interdisciplinary Writing

Provides students with critical writing/reading skills within interactive computer classroom. Focus on frames of inquiry which inform various academic disciplines. Part I (100A) includes introduction to computer technology and critical reading and writing with emphasis on personal responses to individual texts (visual and print) drawn from across disciplines, along with a short research-based assignment. Part II (100B) includes continuation of critical reading and writing with emphasis on cross-disciplinary texts, library skills orientation, research-based assignment, oral presentations, and collaboration on creating a Web site. Graded Pass/Fail. (Limited to Bridge to Success students.) .25-.25 *unit*.

### ENGL 103 Introduction to Expository Writing

Introduction to critical reading, thinking and writing across disciplines. Students must complete English 103 with grade of C or better to meet Communications I, Expository Writing general education

requirement and receive credit toward graduation. *1 unit. (COM1)*

### ENGL 140 Academic Writing in English as a Second Language

Study of the language of written academic English as practiced in the U.S. Focus on writing analytical papers, research skills, advanced English grammar, and academic style of writing. Study of advanced reading skills. Readings on U.S. culture. Open only to speakers of English as a second language, based on test scores at entrance. *Prerequisite:* Department approval. *1 unit. (COM2)*

### ENGL 198 Teaching English as a Second Language through Literature and Film

Introduction to methods of teaching ESL. Emphasis on using literature and film as texts to enhance the ESL learning experience. Hands-on application of ESL theories. Includes experience with lesson planning, materials development, and instructional technology. *1 unit.*

### ENGL 199 Topics in Introductory Literary Studies

Selected topics vary from semester to semester. *.5-1 unit.*

### ENGL 203 Children's Literature

Analysis of children's literature, from folk and fairy tales to today's stories, poems, and novels for children. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### ENGL 204 Literature and Culture

Representation of cultural identity and experience in works drawn from diverse cultural traditions. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### ENGL 205 Latino/a Literature and Film

Representative films and literary works created by U.S. writers and filmmakers from a variety of Latin American backgrounds. Explores questions of acculturation, identity, frontiers/borders, and mobility that have been the particular focus of these artists. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 206 Selected Readings in American Literature**

Selected works reflecting one or more major patterns in American literature. Specific emphasis may change from term to term. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 208 Twentieth-Century American Fiction**

Textual analysis of novels and shorter fiction representing diverse authors, themes, movements, and techniques. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 214 Literature of India**

Explores the multiple strains of the Indian novel that have emerged over the past 50 years. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 215 Reading Science Fiction**

Analysis of selected works of science fiction. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 216 Literature, Technology and Society**

Literary and nonliterary texts that react, in a given society and period of history, to technological change and social effects of technology. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 217 The Bible and Literature**

Study of representative texts from Hebrew Bible and New Testament, and examination of their relationships to later works of drama, poetry, short stories and the novel. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 218 African Literature**

Representative works from written traditions in modern African literature. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 219 Introduction to Drama and Theater**

Introduction to basic concepts of drama and theater, including the relationship between drama as text and as spectacle and the relation of drama to other genres and art forms. Examination of significant theatrical traditions that have influenced modern drama. *Pre-*

*requisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 220 Introduction to Film Studies**

Introduces the methodology of film studies through close textual analysis of narrative film. Special attention paid to the international history of the medium, the language of production, and major critical approaches. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 221 Introduction to Poetry**

Analysis of works by selected poets. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 222 Short Fiction**

Rigorous textual analysis of short fiction as a means of defining its many formal and philosophical expressions. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 223 The Modern Novel**

Analysis of selected 20th- and 21st-century novels. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 224 Great Novels**

Selected major novels of 18th, 19th, and 20th centuries. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 226 Love and War in Medieval Literature**

Selected readings in Medieval literature (some in translation), with focus on literary representations of love and war. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 227 Life-Writing as Literature: Studies in Biography and Autobiography**

Study of resources, methods, and aims governing the re-creation of individual lives by writers of biography and autobiography. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

**ENGL 229 The Black Vernacular**

Introduction to black vernacular oral and written art. Investigation of the black vernacular tradition in the wider context of American culture. *Prerequisite:* Eng-

lish 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 230 Women in Modern Literature**

Modern woman's search for identity and struggle for self-realization through study of selected figures from 19th- and 20th-century literature. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 231 African-American Literature**

Survey of major works of African-American literature with attention to oral traditional contexts. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 232 Southern Fiction**

Fiction of both old and new South with attention to themes, techniques and perspectives of the region. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 233 Contemporary Native American Literatures**

A broad range of works by indigenous writers since 1960 studied in the context of the historical and contemporary political and cultural relations between American Indians and the United States. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 234 Shakespeare**

Analysis of selected plays and poems from variety of critical perspectives. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 235 Narratives of Personal Development**

Analysis of literature of personal growth and human development, from autobiography and biography to various forms of fiction: bildungsroman, novels of education, fictionalized biography, autobiography in verse, etc. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 238 Selected Readings in Caribbean Literature**

Analysis of literary works from the Caribbean representing various periods, areas, and groups. Focus mainly on English-speaking Caribbean, but occasional focus on Spanish, Dutch, or French works in

translation. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

### **ENGL 297 Literature in Context: Genre and Mode**

Focuses on the ways in which particular literary genres and modes arise and are adapted to new purposes over time. *Prerequisite:* English 103 with a grade of C or better. *1 unit. (FSLT)*

### **ENGL 298 Literature in Context: Texts in History**

Focuses on the ways in which literary traditions are perceived and/or constructed, and for what purposes. *Prerequisite:* English 103 with a grade of C or better. *1 unit. (FSLT)*

### **ENGL 299 Special Topics in Literary Analysis**

Essentials of close textual analysis with special attention to theory, critical vocabulary, and methodology of literary interpretation. The focus will vary from one section or semester to the next. *Prerequisite:* English 103 with a grade of C or better or exemption. *1 unit. (FSLT)*

## **Group A: Courses in Literature Before the Early to Mid-19th Century**

### **ENGL 301 Literature of the Middle Ages**

Studies in British and Continental Medieval literature from Beowulf through the 15th century with attention to social, cultural, and political backgrounds. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 302 Literature of the English Renaissance**

Studies in literature and cultural traditions of 16th- and early 17th-century Great Britain. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 303 Chaucer**

Selected early works, "Troilus and Criseyde" and "The Canterbury Tales," with attention to Chaucer's life in context of late 14th-century culture and ideology. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 304 Shakespeare**

Selected plays by Shakespeare grouped according to genre. The course will alternate between investigating the histories and tragedies and the comedies and



romances. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 305 Critical Approaches to Shakespeare**

Selected plays, with attention to different modes of critical analysis. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 306 Milton**

Detailed study of the life and work of John Milton, with attention to cultural, political, and intellectual backgrounds. Selected major and minor poems and prose with emphasis on “Paradise Lost.” *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 307 Epic Tradition**

The development of the epic, including works by Homer, Virgil, and Dante. Particular attention will be paid to the role of epic poetry in formulating notions of history and of national and cultural identity. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 308 Interdisciplinary Studies in the Middle Ages and Renaissance**

An interdisciplinary approach to the study of Middle Ages and Renaissance. Medieval and Renaissance perspectives on topics such as love, politics, individualism, and the divine will be explored through study of selected works from literature, art, architecture, political theory, theology, and philosophy of both periods. Modern historiographical studies also will be examined in order to evaluate strengths and weaknesses of period constructions. May be repeated for credit if topic varies. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 309 Desire and Identity in the Renaissance: The Lyric Tradition**

A comparative investigation of Italian, French, and English Renaissance lyric poetry. (Same as Modern Literatures and Cultures 358.) *1 unit. (FSLT)*

### **ENGL 311 English Literature of the Restoration and 18th Century**

Focus on representative British authors of the late 17th and 18th centuries. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 312 English Literature of the Romantic Movement**

Focus on major British authors of the early 19th century with some attention to European currents and backgrounds. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 321 Early American Literature**

Analysis of major texts produced in colonial British North America and the United States from the first European voyagers to North America in the early 17th century to the writers of the Early National period. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

### **ENGL 325 Age of the American Renaissance**

Readings in the traditional American Renaissance canon — Emerson, Hawthorne, Thoreau, Melville and Whitman — as well as other writers working in the period, such as Poe and Dickinson. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

### **ENGL 326 From Revolution to Romanticism: American Literature Through 1860**

Selected American works from the Early National period through the Civil War, with attention to the political and cultural contexts of these works. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

### **ENGL 330 Selected Topics in Literature Before the Early to Mid-19th Century**

Topics will vary from semester to semester. May be repeated for credit as topic varies. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

## **Group B: Courses in Literature After the Early to Mid-19th Century**

### **ENGL 331 Literatures of Africa**

Survey of major writers from the African continent, with attention to historical and cultural contexts and to African oral traditions. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 332 Literatures of the Caribbean**

Survey of Anglo-Caribbean literatures with emphasis on contemporary works. Occasional studies of Span-

ish, Dutch, or French works in translation. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 333 Literatures of South Asia**

An exploration of the multiple strains of the Indian novel that have emerged since 1950. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 334 American Indian Literatures**

An examination of non-Western elements of representative traditional and contemporary American Indian oral and written verbal art. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 335 Black Women Writers**

Study of major works by Black women writers from Africa, the Caribbean, and the United States. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 336 Literatures of Globalization**

Selected contemporary fiction and criticism that considers problems of global economy, culture, and language. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 337 Postcolonial Literatures**

Survey of major debates and movements in postcolonial literature, with attention to cultural contexts. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 338 English Literature of the Victorian Period**

Focus on representative British authors, 1832-1901, with attention to contemporary social, political, religious, and scientific issues. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 346 Twentieth-Century British Literature**

Reflections of modern sensibility in fiction and poetry of native British and Irish authors and American expatriates. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 349 Late Imperial Fiction**

Late 19th- and early 20th-century British fiction and culture in the decades before decolonization. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 353 American Realism and Regionalism**

American fiction of the late 19th century, with attention to the formation of a national literary culture and the concomitant development of regional voices. Authors studied may include Henry James, Mark Twain, and Edith Wharton. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

### **ENGL 354 Literature of the American South**

Representative poetry and prose of the Southern states, with attention to cultural, social, and political backgrounds. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 355 Race and Ethnicity in American Literature**

Literature by American writers dealing with issues of racial or ethnic identity studied in relation to historical contexts. May be repeated for credit as content changes. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

### **ENGL 356 Twentieth-Century American Poetry**

Analysis of representative works by major American poets, with demonstration of modern technical innovations and discussions of thematic concerns. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

### **ENGL 357 Twentieth-Century American Fiction**

Attention to new concerns and new forms of fiction in the 20th century. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better or permission of instructor. *1 unit.*

### **ENGL 358 African-American Women Writers**

Representative prose and poetry written by African-American women. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

### **ENGL 359 Contemporary American Literature**

Close study of important recent texts (fiction, poetry, and/or drama by U.S. authors or other contemporary writers who strongly influenced them) with respect to their special social, philosophical, and aesthetic contexts. *Prerequisite:* English 297 or 298 or American Studies 201 with a grade of C or better. *1 unit.*

**ENGL 361 Literature and Film**

Examines the filmic adaptation of literary works, with particular consideration given to questions of genre, interpretation, and historical relevance. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 362 Post-Soul Literature and Culture**

Survey of works by African-American verbal artists who came of age after the civil-rights movement. *Prerequisite:* English 297 or 298 with a C or better. *1 unit.*

**ENGL 365 Modern Drama**

British and American drama with attention to European backgrounds. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 366 Contemporary British and American Drama**

Developments since World War II. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 368 History and Aesthetics of Film**

Topics include major international directors, the conventions and innovations of popular genres, and key aesthetic movements. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 369 American Culture/American Film**

Explores the intersection of American film and culture, with special attention to the dialogue between Hollywood and other institutions, ideologies, and events. Specific topics vary from semester to semester. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 370 Selected Topics in Literature After the Early to Mid-19th Century**

Topics will vary from semester to semester. May be repeated for credit as topic varies. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**Group C: Other Advanced Courses in Literature, Language and Writing****ENGL 371 Versions of Tragedy**

An exploration of the nature and function of tragedy in the West, based on a study of the theory of tragic drama and of representative works from the Greeks

to the moderns. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 372 Theater and Society**

Study of theater with regard to its social relevance. Examination of the ways in which theater not only reflects but also seeks to intervene in cultural and political debates relevant to a given society. Attention to the politics of form and production as well as to the politics of reception. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 375 Critics Since Plato**

Ways of looking at art and literature in their philosophical context. Theories applied to a variety of literary texts. *Prerequisite:* One unit of 300-level English with a grade of C or better. *1 unit.*

**ENGL 376 Modern Literary Theory**

Developments in literary theory from Formalism to the present. Schools and approaches include New Criticism, Feminism, Marxism, Structuralism, Deconstruction, Psychoanalytic Criticism, New Historicism, and Cultural Studies. *Prerequisite:* One unit of 300-level English with a grade of C or better. *1 unit.*

**ENGL 377 Poetics**

How creative tools available to poets shape and influence presentation of theme. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 378 The Novel in Theory and Practice**

Considers novels in the context of a variety of theoretical approaches, asking what theory can tell us about the novel and, equally important, what the novel can tell us about theory. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 379 Studies in the American Novel**

Selected American novels that may be drawn from the 18th century to the present; period or topic of study will vary. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 381 Modern Grammar**

Introduction to linguistics, including theories and practices of structuralists and transformationalists. (Meets state licensure requirements for teaching.) *Prerequisite:* English 103 with a grade of C or better. *1 unit.*

**ENGL 382 Topics in Advanced Composition**

Special topics in writing with emphasis on the writing process. Can be taken for credit up to three times with change of topic. *Prerequisite:* One 200-level English course with a grade of C or better. *1 unit.*

**ENGL 383 Introduction to Composition Theory and Pedagogy**

Serves as practicum for writing fellows and students seeking teacher licensure. *Prerequisite:* Permission of instructor. *1 unit.*

**ENGL 384 Introduction to Creative Writing**

Introduction to general principles. Students' fiction and poetry receive critical evaluation through workshops and conferences. *Prerequisite:* One 200-level English course with a grade of C or better. *1 unit.*

**ENGL 385 Fiction Writing**

Analysis of literary models. Discussion and evaluation of students' own fiction. May be taken up to three times for credit. *Prerequisite:* English 384 with a grade of C or better. *1 unit.*

**ENGL 386 Poetry Writing**

Analysis of literary models. Discussion and evaluation of students' own poetry. May be taken up to three times for credit. *Prerequisite:* ENGL 384 with a grade of C or better. *1 unit.*

**ENGL 387 Writing for the Stage**

Analysis of literary models. Discussion and evaluation of students' own dramatic work. May be taken up to three times for credit. *Prerequisite:* English 384 with a grade of C or better. *1 unit.*

**ENGL 388 Individual Internship**

Application of academic skills and theories in placement approved by department. Includes academic work. Supervised by member of the English faculty. No more than one unit of credit may be earned in English 388. *Prerequisites:* One unit of 300-level English with a grade of C or better, written application in advance of internship, and recommendation of the English faculty member who will supervise the internship. *.25-1 unit.*

**ENGL 389 Women and Creativity**

Selected women writers, their work and relationship to their society. *Prerequisite:* English 297 or 298 or

Women, Gender and Sexuality Studies 200 with a grade of C or better. *1 unit.*

**ENGL 391 Themes and Methods in Comparative Literature**

Interdisciplinary approach to selected themes or topics in comparative literature. While theme may vary from year to year, it will provide basis for the study of literary relations as they exist across various boundaries: generic, historical, disciplinary, and linguistic. Will also contain component on history and theory of comparative literature as a discipline, as well as brief unit on journals, bibliographies, and resources particular to the discipline. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 392 Creative Nonfiction Writing**

Analysis of literary models. Discussion and evaluation of students' own creative nonfiction. May be taken up to three times for credit. *Prerequisite:* English 384 with a grade of C or better. *1 unit.*

**ENGL 393 Literary Editing and Publishing**

Provides students the opportunity to learn about literary editing and publishing from both editors' and writers' perspectives. *Prerequisite:* One 200-level English course. *1 unit.*

**ENGL 397 Selected Topics in Writing**

Topics in creative writing. These will vary from semester to semester at the discretion of the instructor. *Prerequisite:* English 384 with a grade of C or better. *1 unit.*

**ENGL 398 Independent Study**

Individually designed course of study conducted under supervision of faculty member. *Prerequisite:* Approval of directing faculty member. *.25-1 unit.*

**ENGL 399 Selected Topics**

Topics will vary from semester to semester. *Prerequisite:* English 297 or 298 with a grade of C or better. *1 unit.*

**ENGL 400 Junior/Senior Seminar**

In-depth treatment of topics in genre, historical periods, critical theory, and other areas of literary study. Topics vary from semester to semester. Recently offered topics include romance, picaresque fiction, the novels of George Eliot and Elizabeth Gaskell, and

poetry of the Native American Renaissance. English majors are expected to take one advanced seminar in the junior year and at least one in the senior year. May be taken more than once for credit, provided topics are different. *Prerequisites:* Two 300-level English courses with grades of C or better. *1 unit.*

### ENGL 401 Creative Writing Seminar

An advanced creative writing course in which students pursue a semester-long project or portfolio in any genre (poetry, fiction, drama, creative nonfiction, screenwriting, multimedia, etc.) and workshop their works in progress. *Prerequisites:* Two of the following: English 385, 386, 387, 392, or 397 (may be the same course taken twice). *1 unit.*

### ENGL 498 Honors Seminar

Seminar for students preparing to write an English honors thesis. *Prerequisite:* Department approval. *.5 unit.*

### ENGL 499 Thesis Direction

Research and writing of honors thesis in English. *Prerequisite:* Department approval. *1 unit.*

## ENVIRONMENTAL STUDIES

*Christopher L. Stevenson, Coordinator (Chemistry)*  
*Associate Professors Harrison (Environmental Studies and Geography), Stevenson (Chemistry and Environmental Studies)*

*Assistant Professors Finley-Brook, Salisbury (Environmental Studies and Geography)*

The environmental studies major consists of courses in the natural sciences, social sciences, humanities, law, and business.

### The Environmental Studies Major

**Note:** The grade point average of all the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70) in all courses other than Calculus II.

#### For the Bachelor of Arts degree

12.5 units, including:

- ENVR 201 Introduction to Environmental Studies
- ENVR 230 Environmental Economics
- ENVR 269 Environmental Ethics

- ENVR 362 Environmental Law and Policy
- ENVR 391 Environmental Senior Seminar
- One course in environmental life science chosen from
  - BIOL 109\* Introduction to Ecology
  - BIOL 207 Ecology
- One course in physical environmental science chosen from
  - CHEM 110\* Pollutants in the Environment
  - CHEM 316\* Environmental Chemistry
  - ENVR 250 Introduction to Earth Systems and Physical Geography
- Introductory statistics requirement, chosen from
  - MATH 119 (preferred) Statistics for Social and Life Sciences
  - BUAD 201 Business Statistics I
  - CHEM 300 Measurement Statistics
  - PSYC 200 Methods and Analyses
  - Or equivalent course approved by the environmental studies coordinator
- One course in environmental research methods, chosen from
  - ANTH 211 Introduction to Ethnographic Field Methods
  - CHEM 301 Quantitative Chemical Analysis
  - CHEM 302 Instrumentation and Spectroscopy
  - CHEM 303 Chemical Separations
  - ECON 340 Econometrics
  - ENVR 260 Introduction to Geographic Information Systems
  - MATH 219 Introduction to the Design of Experiments
  - MATH 324\* Continuous Math Methods
  - MATH 395\* Math Models in Biology and Medicine
  - PLSC 373 Methods for Public Policy Research
  - SOC 211 Sociological Research Methods and Data Analysis
- One-half unit of experiential learning chosen from ENVR 320 or ENVR 388
- Three units of electives approved for environmental studies

#### For the Bachelor of Science degree

15.5 units, including:

- ENVR 201 Introduction to Environmental Studies
- ENVR 230 Environmental Economics
- ENVR 269 Environmental Ethics

- ENVR 362 Environmental Law and Policy
- ENVR 391 Environmental Senior Seminar
- One course in environmental life science chosen from
  - BIOL 109\* Introduction to Ecology
  - BIOL 207 Ecology
- One course in physical environmental science chosen from
  - CHEM 110\* Pollutants in the Environment
  - CHEM 316\* Environmental Chemistry
  - ENVR 250 Introduction to Earth Systems and Physical Geography
- Introductory statistics requirement: MATH 119 (preferred), BUAD 201, CHEM 300, PSYC 200, or equivalent course approved by the ES coordinator
- One course in environmental research methods, chosen from
  - ANTH 211 Introduction to Ethnographic Field Methods
  - CHEM 301 Quantitative Chemical Analysis
  - CHEM 302 Instrumentation and Spectroscopy
  - CHEM 303 Chemical Separations
  - ECON 340 Econometrics
  - ENVR 260 Introduction to Geographic Information Systems
  - MATH 219 Introduction to the Design of Experiments
  - MATH 324\* Continuous Math Methods
  - MATH 395\* Math Models in Biology and Medicine
  - PLSC 373 Methods for Public Policy Research
  - SOC 211 Sociological Research Methods and Data Analysis
- One-half unit of experiential learning chosen from ENVR 320 or ENVR 388
- Three units of electives approved for environmental studies
- MATH 212 or 232 Calculus II
- Two units in biology, chemistry or physics at or above the 300 level

\* The following courses involve significant overlap in content: CHEM 110/316; BIOL 101/225; BIOL 109/207; and MATH 324/395. Credit toward the major can be given for only one course in each pair; for example, credit can be given for either CHEM 110 or CHEM 316 but not both.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## Concentrations in Environmental Studies

**Note:** A student does not have to choose a concentration in order to receive a degree in environmental studies. Students may satisfy the elective units requirement of the degree by pursuing one of the following concentrations:

### Environmental Science Concentration

Three units of electives, chosen from  
 BIOL 100 Biology of Plants  
 BIOL 101 Principles of Evolution  
 BIOL 108 Environmental Biology  
 BIOL 111 Marine Biology of the Chesapeake Bay  
 BIOL 225 Evolution  
 BIOL 306 Systematic Botany  
 BIOL 332 Tropical Marine Biology  
 BIOL 333 Microbial Ecology  
 BIOL 334 Oceanography  
 BIOL 344 Behavioral Ecology  
 BIOL 383 Tropical Biology and Conservation  
 CHEM 110 Pollutants in the Environment  
 CHEM 316 Environmental Chemistry  
 ENVR 250 Earth Systems and Physical Biology

### Environment and Society Concentration

Three units of electives, chosen from  
 ECON 211 Economic Development in Asia, Africa and Latin America  
 ENGL 233 Contemporary Native American Literatures  
 ENVR 330 Environmental and Resource Economic Theory  
 ENVR 345 Society, Economy, and Nature: Global Perspectives on Sustainable Development.  
 GEOG 320 Power, Space, and Territory: Geographies of Political Change  
 GEOG 370 Geographies of Economic Development and Globalization  
 HIST 390 Food and Power in Africa and Asia  
 JOUR 304 Reporting on the Environment  
 MGMT 348 Environmental Management  
 PLSC 260 Introduction to Public Policy  
 PLSC 360 International Development Policy  
 PSYC 317 Applied Social Psychology

Experiential learning (ENVR 388, ENVR 320, or equivalent) and Special Topics (ENVR 300) may be counted towards a concentration with approval of the environmental studies coordinator.

## The Environmental Studies Minor

**Note:** The grade point average of all the coursework comprising the minor in environmental studies must be no less than 2.00 with no course grade below C- (1.70).

6 units, including:

- ENVR 201 Introduction to Environmental Studies
- ENVR 269 Environmental Ethics
- Either ENVR 230 Environmental Economics or ENVR 362 Environmental Law and Policy
- One course in environmental life science chosen from
  - BIOL 109\* Introduction to Ecology
  - BIOL 207 Ecology
- One course in physical environmental science chosen from
  - CHEM 110\* Pollutants in the Environment
  - CHEM 316\* Environmental Chemistry
  - ENVR 250 Introduction to Earth Systems and Physical Geography
- One approved elective in environmental studies

\*Credit toward the Environmental Studies minor will be given for either CHEM 110 or CHEM 316, but not both, and either BIOL 109 or BIOL 330, but not both.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### Environmental Studies Electives

- ANTH 211 Introduction to Ethnographic Field Methods
- BIOL 100 Biology of Plants
- BIOL 101 Principles of Evolution
- BIOL 108 Environmental Biology
- BIOL 111 Marine Biology of the Chesapeake Bay
- BIOL 225 Evolution
- BIOL 306 Systematic Botany
- BIOL 332 Tropical Marine Biology
- BIOL 333 Microbial Ecology
- BIOL 334 Oceanography

- BIOL 344 Behavioral Ecology
- BIOL 383 Tropical Biology & Conservation
- CHEM 110 Pollutants in the Environment
- CHEM 301 Quantitative Chemical Analysis
- CHEM 302 Instrumentation and Spectroscopy
- CHEM 303 Chemical Separations
- CHEM 316 Environmental Chemistry
- ECON 211 Economic Development in Asia, Africa & Latin America
- ECON 340 Econometrics
- ENGL 233 Contemporary Native American Literatures
- ENVR 250 Introduction to Earth Systems and Physical Geography
- ENVR 330 Environmental and Resource Economic Theory
- ENVR 345 Society, Economy and Nature: Global Perspectives on Sustainable Development
- ENVR 360 Advanced Spatial Analysis
- ENVR 365 Environmental Remote Sensing
- GEOG 320 Power, Space and Territory: Geographies of Political Change
- GEOG 370 Geographies of Economic Development and Globalization
- HIST 390 Food & Power in Africa and Asia
- JOUR 304 Reporting on the Environment
- MGMT 348 Environmental Management
- MATH 219 Introduction to the Design of Experiments
- MATH 324 Continuous Math Models
- MATH 395 Math Models in Biology and Medicine
- PLSC 260 Introduction to Public Policy
- PLSC 360 International Development Policy
- PSYC 317 Applied Social Psychology
- SOC 211 Sociological Research Methods

## Courses

### ENVR 201 Introduction to Environmental Studies

Overview of contemporary environmental issues, including species extinction, resource depletion, and pollution. Students examine behavior leading to environmental degradation, the scientific, ethical, and economic aspects of the resulting problems, and study policies intended to provide solutions. *1 unit.*

### ENVR 230 Environmental Economics

(See Economics 230.) *Prerequisite:* Economics 101. *1 unit.*

**ENVR 250 Introduction to Earth Systems and Physical Geography**

(See Geography 250; same as Biology 250.) 1 unit.  
(FSNB)

**ENVR 260 Introduction to Geographic Information Systems**

(See Geography 260; same as Biology 260.) 1 unit.

**ENVR 269 Environmental Ethics**

(See Religion 269.) 1 unit.

**ENVR 300 Special Topics**

Selected topics about the environment. .5-1 unit.

**ENVR 320 Directed Research**

Research with a faculty member in an environmental area. .5 unit.

**ENVR 330 Environmental and Resource Economic Theory**

(See Economics 330.) *Prerequisite:* Economics 271. 1 unit.

**ENVR 345 Society, Economy, and Nature: Global Perspectives on Sustainable Development**

(See Geography 345.) *Prerequisite:* International Studies 290 or Environmental Studies 201. 1 unit.

**ENVR 360 Environmental Remote Sensing**

(See Geography 360; same as Biology 360.) *Prerequisite:* Environmental Studies/Biology/Geography 260 or permission of instructor. 1 unit.

**ENVR 362 Environmental Law and Policy**

(See Political Science 362.) *Prerequisite:* Environmental Studies 201 or Political Science 260. 1 unit.

**ENVR 365 Advanced Spatial Analysis**

(See Geography 365.) *Prerequisite:* Environmental Studies/Geography/Biology 260. 1 unit.

**ENVR 388 Individual Internship**

Supervised independent field work. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of environmental studies coordinator. .5 unit.

**ENVR 391 Environmental Senior Seminar**

Close study of a current environmental problem. Student develops a project to address the problem using approaches and skills from the environmental studies core and elective courses. *Prerequisite:* Permission of environmental studies coordinator. 1 unit.

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**FRENCH PROGRAM**

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**Department of Modern Literatures and Cultures**

*François Ravaux-Kirkpatrick, Section Coordinator*

*Professor Ravaux-Kirkpatrick*

*Associate Professor Kapanga*

*Assistant Professors Delers, Pappas, Radi*

*Director of Intensive Language Program Baker*

*Director of Multimedia Language Laboratory*

*Scinicariello*

This section contains information specific to the degree programs in French. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

**Study Abroad**

Study and travel abroad are strongly encouraged for all students. For students of French, the department offers a summer study program in France. In addition, there are exchange agreements for study during the academic year in France, Quebec, and West Africa; others are being negotiated. For a complete list, contact the Office of International Education.

**The French Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9.5 units, including

- FREN 305 French Composition
- One unit, chosen from
  - FREN 301 French Conversation through Cinema
  - FREN 306 French at Work
  - FREN 311 French and Francophone Cultures
- FREN 320 Introduction to French Literature
- One unit, chosen from



FREN 324 Francophone Literatures and Cultures

FREN 325 Medieval and Early Modern Society

FREN 326 Revolution in France

FREN 327 The Question of Modernity

- Four 400-level courses, at least three of which are numbered 411 or higher
- One unit elective at the 300 or 400 level (may be an MLC course with LAC component)
- FREN 498-499 Senior Project I and II

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## The French Major/International Business Option

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9.5 units in addition to completing all requirements of the international business concentration for the business administration major, including

- Three 300-level courses (at least one FSLT), normally taken prior to study abroad
- Two 400-level seminars following required study abroad
- FREN 498-499 Senior Project I and II
- One semester full-time study at an approved business school (with all-French curriculum) in a French-speaking country (four courses)

The French major/international business option represents a joint project between the Department of Modern Literatures and Cultures and the International Business Program in the Robins School of Business. The curriculum includes a semester abroad at one of the University's partner institutions (for example, IFI-Rouen, EPSCI, MICEFA/Université Paris IX). There, students will continue their business concentrations in classes with both local and other international students.

To prepare for the experience abroad, students will have a solid base of 300-level French courses taken on the Richmond campus. Upon return, they will broaden their knowledge of literary and cultural studies through advanced seminars as well as additional Robins School of Business coursework. The

French component of this program thus consists of five courses taken on campus plus four or five courses taken abroad, or the equivalent of a nine-course major in MLC.

## The French Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 units, including

- FREN 320 Introduction to French Literature
- One unit, chosen from
  - FREN 324 Francophone Literatures and Cultures
  - FREN 325 Medieval and Early Modern Society
  - FREN 326 Revolution in France
  - FREN 327 The Question of Modernity
  - Two additional units at the 300 level
- One 400-level course

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

## Related Majors

- International Studies: Africa
- International Studies: International Economics
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy
- English/French Literature

## Courses

### FREN 121 Intensive Elementary French

Introduction to French language and culture. Emphasis on oral communication. Development of elementary reading and writing skills. *Prerequisite:* Permission of department. 2 units.

### FREN 221 Intensive Intermediate French

Reinforcement of communicative language skills. Increased emphasis on reading, writing, and culture. *Prerequisite:* French 121 or permission of department. 2 units. (COM2)

### FREN 301 French Conversation through Cinema

Development of speaking ability in French, with stress upon vocabulary expansion, pronunciation

and communicative accuracy, through representations of French culture in film. *Prerequisite:* French 221 or permission of department. *1 unit.*

### **FREN 304 French Grammar Review**

An in-depth study of French grammar designed to improve the written expression of more advanced students in preparation for writing. *Prerequisite:* French 301 or 305. *1 unit.*

### **FREN 305 French Composition**

Development of competent writing skills on variety of textual genres such as narration, description, and essay. *Prerequisite:* French 221 or permission of department. *1 unit.*

### **FREN 306 French at Work**

Task-based course designed to develop students' ability to interact in French situations specific to the workplace. Acquisition of business terminology and etiquette and exploration of cross-cultural differences, economic and political issues influencing business in the French-speaking world. *Prerequisite:* French 221 or permission of department. *1 unit.*

### **FREN 311 French and Francophone Culture**

Exploration of significant themes and issues in contemporary French and Francophone cultures set in the context of French history and cultural traditions. *Prerequisite:* French 221 or permission of department. *1 unit.*

### **FREN 320 Introduction to Literature in French**

Introduces students to works of literature written in French from a variety of genres (poetry, prose, and theatre) and to critical writing in French. *Prerequisite:* French 305 plus one of the following: French 301, 304, 306 or 311. *1 unit. (FSLT)*

### **FREN 324 Francophone Cultures and Literature**

Explores contemporary Francophone literatures and cultures through texts by African, Caribbean, Maghrebian, and Canadian writers. *Prerequisite:* French 320. *1 unit. (FSLT)*

### **FREN 325 Medieval and Early Modern Society**

Studies in French literature, history, and culture from the Medieval period to the Enlightenment. *Prerequisite:* French 320. *1 unit. (FSLT)*

### **FREN 326 Revolution in France**

Studies in French literature, history, and culture related to the concept of revolution with special emphasis on the Enlightenment and the 19th century. *Prerequisite:* French 320. *1 unit. (FSLT)*

### **FREN 327 The Question of Modernity**

Studies in French literature, history, and culture related to modern French society and the French-speaking world. *Prerequisite:* French 320. *1 unit. (FSLT)*

### **FREN 388 Individual Internship**

Internship experience outside of the department in fields related to French studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of the department. *.25-1 unit.*

### **FREN 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in French. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit. *Prerequisite:* Permission of the department. *.25 unit.*

### **FREN 397 Selected Topics**

*Prerequisite:* French 221 or permission of department. *1 unit.*

### **FREN 402 Advanced French Conversation**

Development of advanced speaking skills beyond 301 level. *Prerequisite:* French 301. *1 unit.*

### **FREN 404 Advanced Composition and Syntax**

Further refinement of written expression and advanced grammar review. *Prerequisite:* French 305. *1 unit.*

### **FREN 411 The French Middle Ages**

Analysis of issues such as morality and literacy, governance, social order, human values and ideals, authorship, gender, and artistic production as manifested in significant texts from the 11th to the 15th centuries. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

### **FREN 421 Renaissance**

Exploration of literature of a France transformed by Reformation and Renaissance: the poetry of love; de-

votion and play; the prose of wisdom. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 431 Le Siècle Classique**

Exploration of both triumphs and powerful tensions within 17th-century culture, with attention to such issues as political patronage of the arts, women intellectuals and salon culture, courtly life at Versailles, social satires of Molière, and place of dissent within the absolutist state. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 441 Enlightenment**

Literary and philosophical texts of 18th century, emphasizing questions on selfhood, social life, gender relations, and power. Topics include the libertine tradition, novel and society, women writers and Enlightenment's others. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 451 From Romanticism to Decadence**

Issues of gender, subjectivity, and socio-historical contexts in works by poets, novelists and historians in the numerous and varied cultural movements of 19th-century France. Recent topics include desire and representation in the novel, "Fin de Siècle," Symbolist Poetry and Romanticism. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 461 From Modern to Postmodern**

Trends in 20th century and contemporary French poetry, drama, and fiction, set in the context of painting, film and experimental art forms. Recent topics include otherness, gender, creativity, the nature of truth, and the quest for self-expression. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 465 French Film**

Survey of development of French cinema with emphasis on the contemporary period. Introduction to film aesthetics and film theories. Film topics include French current events and trends, personal and social challenges, ethnicity, women's issues, and historical or political perspectives. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 467 French Culture in the Making: Conception and Actualization of a French Film Festival**

Experience in the creation and preparation of a major cultural event on French cinema leading to significant enhancement of knowledge of French contemporary cinema and culture, substantial improvement of French language skills, and exposure to cultural management. Activities will be carried out in French and include writing, editing, translation and interpretation, film programming, advertisement and marketing development, outreach promotion, media relations at the local, national, and international levels, and event management. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 471 Francophone Studies**

Literary and cultural studies of modern Francophone texts by African, Caribbean, Québécois, Maghrebian, and other French-speaking writers. Recent topics include: tradition, postcolonialism and modernity; aesthetics; *négritude*; and globalization. *Prerequisite:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 487 Contemporary Ideas**

Readings and discussion of recent works which have provoked political or intellectual debate in France and the French-speaking world. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Permission of department. *.5-1 unit.*

#### **FREN 497 Selected Topics**

Experimental topics based on student and faculty interests. Recent topics: autobiography, the emergence of drama, the letter in philosophy and literature, women writing in French. *Prerequisites:* French 320 and one of the following: French 324, 325, 326, 327. *1 unit.*

#### **FREN 498 Senior Project I**

Consultation with major faculty advisor, selection of topic for senior project, and meetings with faculty and fellow seniors. *0 units.*

**FREN 499 Senior Project II**

Consultation with major faculty advisor, meetings with faculty and fellow seniors, completion of research project, presentation of project at French Studies Symposium. *.5 unit.*

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**GEOGRAPHY**

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*Mike Harrison, Coordinator*

*Associate Professor Harrison*

*Assistant Professors Finley-Brook, Salisbury*

**The Geography Major**

**Note:** No grade below a C- (1.70) will be allowed for credit within the major.

9 units, including

- GEOG 210 Geographic Dimensions of Human Development
- GEOG 250 Introduction to Earth Systems and Physical Geography
- GEOG 260 Introduction to Geographic Information Systems
- MATH 119 Statistics for Social and Life Sciences (or equivalent research methods course, with approval of department)
- Four units of electives in geography at the 300 level or higher
- One unit of geography elective at any level

No more than two units outside of geography may count towards the major (with approval of department).

**The Geography Minor**

**Note:** No grade below a C- (1.70) will be allowed for credit within the minor.

6 units, including

- GEOG 210 Geographic Dimensions of Human Development
- GEOG 250 Introduction to Earth Systems and Physical Geography
- Four units of electives in geography, to include no more than one unit of GEOG 390 nor more than .5 units of GEOG 388

**Courses****GEOG 206 World Regional Geography-Developed Regions**

World's economically developed areas (Europe, North America, Australia, CIS [former Soviet Union], Japan). *1 unit.*

**GEOG 207 World Regional Geography-Developing Regions**

World's economically developing areas (Middle America, South America, Southwest Asia, Southeast Asia, India, China, Africa, Middle East). *1 unit.*

**GEOG 210 Geographic Dimensions of Human Development**

Introduction to geographic approaches to study of cultural, societal, economic, political, and environmental change. Topics include: spatial analysis techniques and theories; population distributions and migration; cultural geographies; global economic development and its distribution; urbanization; political geography; and human-environment relations. (Same as International Studies 210.) *1 unit. (FSSA)*

**GEOG 250 Introduction to Earth Systems and Physical Geography**

Basic concepts of earth systems science and physical geography. Includes earth-sun relationships, weather and climate, environmental hydrology, landforms and geomorphology, climate change, and human-environment interactions. (Same as Biology 250 and Environmental Studies 250.) *1 unit. (FSNB)*

**GEOG 260 Introduction to Geographic Information Systems**

Concepts of mapping and spatial analysis using the ArcView GIS software package. Includes map analysis, data presentation, analysis of spatial relationships, the creation of spatial and tabular data, and the introduction of ArcView software extensions. (Same as Biology 260 and Environmental Studies 260.) *1 unit.*

**GEOG 320 Power, Space and Territory: Geographies of Political Change**

Analyses of and explorations into the spatial dimensions and geographic characteristics of global, regional and local political change; and the political economy and ecology of globalization. Topics include: imperialism; world systems theory; nationalism; regionalism;

electoral geography; race, class and gender; political economy of trade and foreign aid; and political ecology. (Same as International Studies 320 and Political Science 320.) *Prerequisite:* Geography 210 or Political Science 240 or 250. *1 unit.*

### **GEOG 345 Society, Economy and Nature: Global Perspectives on Sustainable Development**

Applies geography's human-environment tradition to examine social, cultural, and economic dimensions of sustainability and sustainable development. Examinations into foundations and theories behind the concept of sustainable development, discussions and debates about its real-world applicability, and explorations into case studies addressing relationships and contradictions between human desires for material well-being, environmental protection, and maintenance of cultural and/or social traditions. (Same as Environmental Studies 345.) *Prerequisite:* Geography 210 or Environmental Studies 201. *1 unit.*

### **GEOG 360 Environmental Remote Sensing**

Concepts of image acquisition, image interpretation, and satellite remote sensing. Includes electromagnetic spectrum concepts, acquisition of image data, visual characteristics of vegetation and landforms, image interpretation, classification and transformation, and integration of remotely sensed imagery into other spatial analysis systems. Student research projects. (Same as Biology 360 and Environmental Studies 360.) *Prerequisite:* Environmental Studies/Biology/Geography 260 or permission of instructor. *1 unit.*

### **GEOG 365 Advanced Spatial Analysis**

Advanced topics in Geographic Information Systems (GIS) theory and application. Topics include use of the Spatial Analyst, 3-D Analyst, raster data sets, the Idrisi Software System, projects in environmental location analysis, retail site location, and application of GIS techniques to biological, environmental, and social science issues. (Same as Environmental Studies 365.) *Prerequisite:* Environmental Studies/Biology/Geography 260. *1 unit.*

### **GEOG 370 Geographies of Economic Development and Globalization**

Geographic perspectives on economic development and spatial analysis of trends in the global economy. Topics include: natural resource location and distribution; commodity flows and chains; technological

change and diffusion; international trade; entrepreneurship and innovation; industrial location theory; social and cultural dimensions of development; geographies of labor; and regional development theories and trends. *Prerequisite:* Geography 210 or Economics 101 and 102. *1 unit.*

### **GEOG 380 Selected Topics**

May be repeated when topics vary. (Same as International Studies 350.) *.25-1 unit.*

### **GEOG 388 Individual Internship**

Supervised independent work. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of supervising instructor. *.25-1 unit.*

### **GEOG 390 Independent Study**

Topics independently pursued under supervision of a faculty member. May be repeated twice for a total of up to two units. *Prerequisite:* Permission of instructor. *.5-1 unit.*

## **GERMAN STUDIES PROGRAM**

### *Department of Modern Literatures and Cultures*

*Thomas Bonfiglio, Section Coordinator*

*Professor Bonfiglio*

*Associate Professor Bower*

*Director of German Language Program Sulzer-Reichel*

*Affiliated Faculty: Erik Craft (Economics), Ladelle*

*McWhorter (Philosophy), Ilka Saal (English), Gary*

*Shapiro (Philosophy), John Treadway (History),*

*Hugh West (History)*

This section contains information specific to the degree programs in German studies. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### **Study Abroad**

Study and travel abroad are strongly encouraged for all students. German studies students can take advantage of semester or year exchange programs in Konstanz and Münster, Germany, as well as the summer program in Berlin.

## The German Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9.5 units, including

- GERM 301 Conversation and Composition
- GERM 311 Culture and Civilization
- GERM 321 Introduction to German literature (18th-20th century)
- Three 400-level courses in German
- GERM 498-499 Senior Research Project I and II
- Three additional courses selected from the list below (no more than two courses can be taken in a specific area; LAC in German required for all three courses)

ART 318 Twentieth-Century Art

ECON 210 The Economics of the European Union

MLC 256 Psychoanalysis, Literature and Culture

MLC 340 European Romanticism

MLC 350 Introductory Linguistics

MLC 351 Contemporary Literary Theory

MLC 360 Representing the Holocaust

MLC 365 German Film in Context

HIST 240 European Thought 1650-1850

HIST 241 European Thought since 1850

HIST 242 Modern Germany

HIST 244 The Hapsburg Empire and After

HIST 248 European Diplomacy from

Bismarck to Hitler

HIST 249 Twentieth-Century Europe

HIST 399 Holocaust

PHIL 272 Modern Western Philosophy

PHIL 275 Marx, Nietzsche, Freud

PHIL 336 Nineteenth-Century European

Philosophy

PHIL 339 Topics in Existentialism

PHIL 344 Twentieth-Century Continental

Philosophy

PHIL 357 Nietzsche

RELG 356 Renaissance and Reformation

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## The German Major/International Business Option

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9.5 units in addition to completing all requirements of the international business concentration for the business administration major, including

- Five units in German at the 300 or 400 level
- GERM 498-499 Senior Research Project I and II
- One semester full-time study at the Vienna University of Economics and Business Administration (four courses)

The German major/international business option represents a joint project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International Business Program in the Robins School of Business. The curriculum includes a semester abroad at one of the University's partner institutions. There, students will continue their Robins School concentrations in classes with both local and other international students.

In order to prepare for the experience abroad, students in German will need to have completed at least German 202 on the Richmond campus; they must take at least one concurrent course in German while in Vienna.

## Related Majors

- Combined major in English and German literature
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy

## The German Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

Five units, including

- GERM 301 Conversation and Composition
- GERM 311 Culture and Civilization
- GERM 321 Introduction to German literature (18th-20th century)
- One 400-level course in German

- One course from the following list, with LAC in German

MLC 256 Psychoanalysis, Literature and Culture

MLC 340 European Romanticism

MLC 350 Introductory Linguistics

MLC 351 Contemporary Literary Theory

MLC 360 Representing the Holocaust

MLC 365 German Film in Context

## Courses

### GERM 101-102 Elementary German

Introduction to German language and culture. *Prerequisite:* German 101 is prerequisite to 102. *1-1 unit.*

### GERM 201-202 Intermediate German

Active practice and reinforcement of language skills and study of culture. *Prerequisite:* German 102 or permission of department. German 201 is prerequisite to 202. *1-1 unit. (202 only, COM2)*

### GERM 301 German Conversation and Composition

Development of fluency through conversation on topics selected for learning the common idiomatic expressions and basics of life in German-speaking countries. Practice in composition. *Prerequisite:* German 202 or permission of department. *1 unit.*

### GERM 305 German Grammar and Composition

Concise review of basic principles of German grammar and development of competent writing skills. *Prerequisite:* German 202 or permission of department. *1 unit.*

### GERM 311 German Culture and Civilization

An overview of the movements affecting cultural development in German-speaking countries from the Middle Ages to the present through the analysis of selected historical documents, literary and philosophical texts, films and the visual arts. *Prerequisite:* German 202 or permission of instructor. *1 unit.*

### GERM 321 Introduction to German Literature

Introduction to analysis and interpretation of literary texts in their aesthetic, historical, socioeconomic, and cultural contexts. Attention to representation, polyphony, rhetorical devices, and politics of text. Development of written critical apparatus. *Prerequisite:*

*German 202 or permission of department. 1 unit. (FSLT)*

### GERM 388 Individual Internship

Internship experiences outside of the department in fields related to German studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. *.5-1 unit.*

### GERM 389 Practice Assistantship

Students lead practice sessions associated with the elementary and intermediate language sequence in German. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit. *Prerequisite:* Permission of department. *.25 unit.*

### GERM 397 Selected Topics

Special interest topics offered at department's discretion. *Prerequisite:* German 301. *1 unit.*

### GERM 402 Advanced German Conversation

Discussion at advanced level of fundamental themes in German thought and cultural history. *Prerequisite:* German 301. *1 unit.*

### GERM 404 Advanced Composition and Syntax

Advanced grammar, syntax and stylistics. *Prerequisite:* German 301. *1 unit.*

### GERM 440 The Age of Idealism

Survey of major movements of 18th and early 19th centuries: enlightenment, storm and stress, classicism and romanticism. Analysis of texts by Lessing, Kant, Winckelmann, Goethe, Schiller, Schlegel, Tiede, Kleist, and Novalis. *Prerequisite:* German 321. *1 unit.*

### GERM 452 Fin-de-siècle

A comparison of Austrian writers from 1900s and 2000s, including Freud, Schnitzler, Kafka, Mach, Steeruwitz, Jelinek, and others. *Prerequisite:* German 321. *1 unit.*

### GERM 465 Rebels with a Cause: Political Satire

Examination of political and socially critical poetry, prose, images, and songs from the 19th century to the present. *Prerequisite:* German 321. *1 unit.*

**GERM 471 Sexuality and German Society**

Examination of various representations of sexuality and the construction of gender in contemporary German literature and film. *Prerequisite:* German 321. *1 unit.*

**GERM 472 Multiculturalism, Identity and Authorship in the German Context**

Investigation of literary and filmic texts from Expressionism to the present with a focus on the increasing diversity and complexity of identities and social relations in the German context. *Prerequisite:* German 321. *1 unit.*

**GERM 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Permission of department. *.5-1 unit.*

**GERM 497 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* German 321. *1 unit.*

**GERM 498 Senior Research Project I**

Consultation with faculty mentors and selection of topic for research project. *Prerequisite:* Senior standing. *0 units.*

**GERM 499 Senior Research Project II**

Research and written completion of senior project. *Prerequisite:* Senior standing. *.5 unit.*

**GREEK***Department of Classical Studies*

*Dean Simpson, Chair*

*Associate Professors Laskaris, Simpson, Stevenson*

*Assistant Professors Baughan, Folch*

**The Greek Major**

**Note:** A grade of not less than C- (1.70) is required in all coursework comprising the major.

10 units, including

- Two units, selected from
  - CLSC 301 Greek Art and Archaeology
  - HIST 221 Classical Greece or HIST 222 Hellenistic Greece and Republican Rome or HIST 223 The Roman Empire

- CLSC 305 Greek and Roman Values or CLSC 306 The Classical Tradition
- GREK 498 Major Seminar
- Seven units of Greek electives

**Note:** A minimum of two years of Latin is recommended for students intending to pursue graduate study.

**Related Major**

Combined major in Greek and English

**The Greek Minor**

**Note:** A grade of not less than C- (1.7) is required in all coursework comprising the minor.

Six units of Greek with at least two units at the 300 or 400 level.

**Courses****GREK 101-102 Elementary Greek**

Introduction to ancient Greek language and culture. *Prerequisite:* Greek 101 is prerequisite to 102. *1-1 unit.*

**GREK 201-202 Intermediate Greek**

Continued study of ancient Greek language and culture plus selected readings. *Prerequisite:* Greek 102 or permission of department. Greek 201 is prerequisite to 202. *1-1 unit. (202 only, COM2)*

**GREK 301 Greek Epic**

Readings from Homer's "Iliad" and "Odyssey." *Prerequisite:* Greek 202 or permission of department. *1 unit.*

**GREK 302 Greek Drama**

Readings from Sophocles and Euripides. *Prerequisite:* Greek 202 or permission of department. *1 unit.*

**GREK 303 Greek Historiography**

Readings from Herodotus and Thucydides. *Prerequisite:* Greek 202 or permission of department. *1 unit.*

**GREK 304 Greek Philosophical Prose**

Readings from Plato and Aristotle. *Prerequisite:* Greek 202 or permission of department. *1 unit.*



**GREK 398 Selected Topics**

Topics or themes in Greek literature. *Prerequisite:* Greek 202 or permission of department. *1 unit.*

**GREK 498 Major Seminar**

Required of all majors. Methodologies appropriate to Greek studies and the writing of a research paper. *Prerequisite:* Permission of department. *1 unit.*

**GREK 499 Independent Study**

Content suited to the requirements and interests of student, chosen by student and faculty director in advance of the semester in which the independent study is to be done. *Prerequisite:* Permission of department. *.5-1 unit.*

## HISTORY

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**Department of History**

*Hugh West, Chair*

*Professors Gordon, Kenzer, Summers, Treadway*

*Douglas Southall Freeman Professor Don Doyle (Fall 2008), William Doyle (Spring 2010)*

*Associate Professors Drell, Holton, Mack-Shelton, Watts, West*

*Assistant Professors Brandenberger, Loo, Routt, Sackley, Yanikdag, Yellin*

*Director of Pre-Law Advising McGarvie*

*Affiliated Faculty: Howard (Center for Civic*

*Engagement), Leary (University Professor), Pagan (Law), Roberts (Continuing Studies), Stevenson (Classics)*

**The History Major**

**Note:** A grade of not lower than C (2.0) is required in each course comprising the major.

9 units, including

- HIST 100 Introduction to Historical Thinking
- One course in United States history
- One course in European history
- One course in Asian, Latin American, Middle Eastern or African (ALAMEA) history
- HIST 400 Research Seminar for Majors
- Four units history electives

**Notes**

- At least six units must be above the 100 level.
- At least one unit must be at the 300 level.

- History courses at the 100, 200 and 300 level may be applied to the distribution requirement.

**The History Minor**

**Note:** A grade of not lower than C (2.0) is required in each course comprising the minor.

5 units, with no more than two at the 100 level

**Honors Program**

Majors who meet the School of Arts and Sciences requirements for departmental honors are encouraged to apply for and pursue the honors program in history. To earn honors in history a student must complete 3.5 units in honors courses:

- HIST 410 Historiography
- HIST 411 Honors Thesis Prospectus
- HIST 412-413 Honors Thesis

Honors students are exempt from HIST 400, but must satisfy all other requirements for the major. HIST 410 may be applied to any field requirement in the major.

**Internships**

The Department of History has a program of pre-arranged individual internships. Interested students should inquire in the department or check the department Web page for details.

**Courses****HIST 100 Introduction to Historical Thinking**

Introduction to aims and methods of historical thinking. Through concentrated exploration of a particular historical issue, students develop their understanding of the nature and limits of historical evidence, various legitimate ways of approaching it, and the art of making persuasive claims about it. Students may take no more than two History 100 courses. Each course must be on a different topic. *1 unit. (FSHT)*

**HIST 110 Ideas and Institutions of Western Civilization I**

Topical study of western heritage from Classical Greece through Reformation. *1 unit. (FSHT)*

**HIST 111 Ideas and Institutions of Western Civilization II**

Topical study of western heritage from rise of modern political concepts in 17th century to present. *1 unit. (FSHT)*

**HIST 120 The United States to 1877**

Analysis of American history in precolonial, colonial, revolutionary, early national, antebellum, Civil War and Reconstruction periods. *1 unit. (FSHT)*

**HIST 121 The United States since 1877**

Analysis of American history in post-Reconstruction, progressive, interwar, World War II, and post-World War II periods. *1 unit. (FSHT)*

**HIST 130 East Asian Civilizations**

Survey of traditional East Asian thought, institutions, and culture in China, Japan, Korea, and Vietnam. *1 unit.*

**HIST 200 Colonial America**

Colonial history from earliest British settlements to the end of French and Indian War in 1763. *1 unit.*

**HIST 201 The American Revolution**

War of Independence and formation of the Republic, 1763-1788. *1 unit.*

**HIST 202 American Women from the Colonial Period to the Present**

Introduction to experience of women in history of America from colonial times to present. *1 unit.*

**HIST 204 The Civil War and Reconstruction**

Focus on slavery and sectional controversy, secession and the war; political, economic, and social problems of Reconstruction. *1 unit.*

**HIST 209 African American History to 1865**

Analysis of African-American experience from pre-colonial African roots through U.S. colonial, revolutionary, and Civil War eras with particular attention to slavery, abolitionism, development of African American cultural practices, and African-American participation in the Revolutionary and Civil wars. *1 unit.*

**HIST 210 African American History Since 1865**

Analysis of African-American history after the Civil War with particular attention to work, culture, family, and achievement; and to the impact of the Great Migration, Great Depression, segregation, and the Civil Rights Movement. *1 unit.*

**HIST 212 The Civil Rights Movement**

Examination of the Civil Rights movement in the U.S., especially its social origins and consequences and implications. Topics include sit-ins, mass protest, freedom rides, the voting rights campaign, the black power movement, and radical and reform organizations and leaders. *1 unit.*

**HIST 213 African American Cultural History**

Analysis of African-American culture from its African roots to present, focusing on the impact of slavery, racial discrimination, gender, and class on family practices, language, dress, food, religion, and artistic/intellectual production. *1 unit.*

**HIST 214 United States and the World, 1877-1945**

A survey of the history of the United States from the end of the 19th through first half of the 20th century in transnational perspective. Students will examine how the modern United States was formed through economic, cultural, political, and military encounters with peoples, governments, and places around the world. Topics covered will include imperialism, migration, citizenship, the rise of the United States as a global power, American culture abroad, and the role of the United States in World War I and World War II. *1 unit.*

**HIST 215 United States and the World Since 1945**

A survey of the history of the United States since World War II in transnational perspective. Topics will include the Cold War, the interrelationship between foreign policy and domestic politics, American involvement in the developing world, migration, citizenship, and economic and cultural globalization. *1 unit.*

**HIST 216 American Cultural and Intellectual History Since 1865**

A survey of American ideas and culture since the Civil War. Topics will include the "social questions" of the 19th century; visions of the self and society; the role of science and expertise in American life; political

debates over freedom and the market; and cultural battles over pluralism and American identity. *1 unit.*

**HIST 217 State and Society in the United States, 1890-1945**

A survey of United States political and social development in the early 20th century. Topics include the rise of the modern American state, industrialization, the rise of American cities, the Great Depression and the response of national and local governments, the domestic impact of the World Wars, immigration, and the development of racial and ethnic identities in the modern United States. *1 unit.*

**HIST 218 State and Society in the United States, 1945-2001**

A survey of United States political and social development in the late 20th century. Topics include globalization, the transformation of the American labor movement, urban crises and suburbanization, post-1964 immigration (with special emphasis on Asian- and Latino-Americans), the rights revolutions, the Cold War, the career of the modern American welfare state, the rise of modern American conservatism, and the impact of September 11, 2001. *1 unit.*

**HIST 220 The Aegean Bronze Age**

Survey of the third and second millennia B.C.E. civilizations of the Aegean Sea basin and the interconnections between them and other major civilizations of the ancient Near East Bronze Age. *1 unit.*

**HIST 221 Classical Greece**

Greek history from end of the Bronze Age through career of Philip II of Macedon. *1 unit.*

**HIST 222 Hellenistic Greece and Republican Rome**

Investigation of rise of the Roman hegemony in context of the Hellenistic Mediterranean. Special attention given to role of Hellenistic kings. *1 unit.*

**HIST 223 The Roman Empire**

Study of how the Romans and their Byzantine followers maintained an empire in hostile atmosphere of the first five centuries of our era. *1 unit.*

**HIST 224 European Women and Gender before Suffrage**

Introduction to the history of women in Europe from ancient times through the 19th century. Focus on continuities and changes in the female experience in such historical moments as Ancient Greece, Reformation Germany, and the French Revolution. Source material includes women's diaries, letters, speeches and philosophical treatises. *1 unit. (FSHT)*

**HIST 225 Medieval Italy**

Italy from the formation of the communes to the first stirrings of the Renaissance. Emphasis on the development of the commercial economy, differential development between North and South, the emergence of a strong Papal State, and the causes and effects of the Great Plague. *1 unit.*

**HIST 226 The Early Middle Ages**

Social and intellectual history of Europe from Late Antiquity to the 11th century. Emphasis on the birth and development of the political and institutional successors to the Roman Empire. *1 unit.*

**HIST 227 The High Middle Ages**

Overview of some of the principal social, political, and cultural developments in Europe c. 1000-1450 with special attention to the increasing vitality of urban culture, the varying position of women, the formation of bureaucratic "states," and the emergence of such concepts as romantic love and individualism. *1 unit.*

**HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500**

Examines the evolution of the European pattern of economic life and organization from the decline of Rome through the close of the Middle Ages. The contributions of all social and economic strata — from peasant to townsman to clergy to aristocrat to monarch — to the economy will be considered. Topics include the agricultural revolution, the emergence of urban life, technological advances, the trends in population including the impact of famine and pestilence, the evolution of commercial and manufacturing techniques, economic roles of women, Jewish communities within the Medieval economy, Medieval economic mentality and doctrine, the underground economy, and the merchant as adventurer. *1 unit.*

**HIST 229 Medieval England**

Examines England's history from the withdrawal of the Romans in the fifth century through the conclusion of the Wars of the Roses in 1485. Topics include the search for the historical Arthur, the Viking incursions, the Norman Conquest, the development of Common Law, the evolution of parliamentary government, English Medieval women, Anglo-Celtic and Anglo-French relations, the Black Death, and the Hundred Years' War. *1 unit.*

**HIST 230 The Renaissance**

Culture, politics, economics, modern science, and overseas expansion of the Renaissance. *1 unit.*

**HIST 234 Georgian Britain, 1714-1837**

Constitutional, political, economic, social, and cultural developments in England, Scotland, and Ireland from accession of the Hanoverians through the Great Reform Bill. *1 unit.*

**HIST 235 France: Old Regime and Revolution**

History of the social, political, and economic institutions that helped shape the modern French state from the Age of Absolutism through the French Revolution and rise of Napoleon. *1 unit.*

**HIST 236 Russian Empire, Soviet Union, and After**

Political, social, diplomatic, and cultural overview of the fate of the Russian Empire and Soviet Union from the Napoleonic Wars through the end of the Cold War with special focus on nationalism, socialism, Stalinism, and the fall of the USSR. *1 unit.*

**HIST 237 The Last Soviet Generation**

An examination of the world of the last generation to live under Soviet communism. What sort of people made up the last Soviet generation? Where did its sense of public conformity and private independence come from? What can explain its "apoliticism" against a background of ubiquitous propaganda? What can explain its intense individualism within a society ostensibly organized along collectivist lines? Why are terms like loyalist, timeserver, and dissident inadequate for describing members of this social cohort? *1 unit.*

**HIST 240 Modern European Thought, 1650-1850**

Focus on nature and role of science, art, politics, religion, sex, emotion, and history. *1 unit.*

**HIST 241 Modern European Thought since 1850**

Focus on liberalism, Marxism, Freudianism, existentialism and structuralism. *1 unit.*

**HIST 242 Modern Germany**

Prussia and Germany from 1848 to present. Emphasis on unification, political movements, Nazism, and origins and effects of World Wars I and II. *1 unit.*

**HIST 243 Modern Britain**

Constitutional, political, economic, and social developments in the United Kingdom during the Victorian era and 20th century. *1 unit.*

**HIST 244 The Hapsburg Empire and After**

Survey of rise and fall of Hapsburg Empire beginning with development of lands of the house of Hapsburg from Middle Ages to Napoleonic era; political, military, diplomatic, economic, social, and cultural issues in Austrian (Austro-Hungarian) Empire from Congress of Vienna to end of World War I, and in the empire's successor states in Central Europe. *1 unit.*

**HIST 245 Modern Balkans**

Survey of Balkan history in modern times, focusing on development of Bulgaria, Romania, Albania, the Yugoslav lands, and Greece. *1 unit.*

**HIST 246 Russia in Revolution, 1905-1934**

Examination of Russia in revolution from the attempts at reform in 1905, through the Bolshevik seizure of power in 1917 and the subsequent consolidation of power under Lenin and Stalin. Special emphasis on the nature of "revolution" and questions of agency and contingency. *1 unit.*

**HIST 247 Modern Ireland**

Topical approach to the history of Ireland from late 17th century to present. Attention will be given to Ireland's society, economy, politics, international position, and special, often tortuous, relationship with its more powerful neighbor, the United Kingdom. *1 unit.*

**HIST 248 European Diplomacy from Bismarck to Hitler**

Studies in European diplomatic history from mid-19th century to World War II. *1 unit.*

**HIST 249 Twentieth-Century Europe**

Overview of European political, diplomatic, military, social, economic, and cultural history since 1900. *1 unit. (FSHT)*

**HIST 250 Modern East Asia: 1600-1960**

Explores the journeys that China, Korea, and Japan took that have resulted in the shape of East Asia as we know it today. Explores their long history of interconnection and philosophical, cultural, and political traditions. In their modern history, 1600-1960, China, Japan, and Korea were confronted with similar issues at about the same times; each responded differently, resulting in very different fates. *1 unit.*

**HIST 251 Chinese Revolutions**

Chinese history is often noted for the frequency of its revolutions — ground shaking social and political upheavals that change the landscape and people's lives in many ways. Studies not only political revolutions but also the revolutions of the mind, thought, and experience in order to reach an understanding of some of the revolutionary events that have played important roles in shaping the China we know of today. *1 unit.*

**HIST 252 China Modern: 1900-1940**

Engages with the period 1900-1940, during which many aspects of the modern Chinese state and society were established. Includes the emergence of Chinese national identity, Chinese vernacular, and the political ideologies that continue to define China today. Also studies the emergence of a sophisticated urban culture in cities like Shanghai, and radical transformations in the social fabric of Chinese society. Explores this important time when many people in China were concerned with what it meant to be modern. *1 unit.*

**HIST 253 Empires and Nations in Modern East Asia**

Examination, using East Asia as a case, of ideologies and logics of modern empire and nation formations, and their dynamic interactions in the modern world. Topics include the collapse of the Chinese Qing

Empire, the arrival of Western imperialism, the rise of the Japanese empire, and the emergence of East Asian nationalism as reactions to these developments. *1 unit.*

**HIST 254 Modern Japan**

Japan's response to Western pressures and rise to world power in 19th and 20th centuries. *1 unit.*

**HIST 255 Meiji Japan: An Emperor and The World Named for Him**

Uses the reign of the Meiji emperor (1868-1912), considered to be the period in which modern Japan emerges, as a loose unifying metaphor to explore the many radical shifts in Japanese society, politics, and culture that occurred in his time. *1 unit.*

**HIST 261 Modern Latin America**

Introductory survey of Latin American history from independence; focus on quest for political stability, economic development, and social change. *1 unit.*

**HIST 262 The Making of Modern Brazil**

Constructing and contesting inequality in modern Brazil, with special attention to comparative issues in the study of slavery, race, gender, and ethnicity. *1 unit.*

**HIST 263 Latin America in the Cold War Years**

Examination of internal and external forces behind the conflicts across Latin America during the Cold War (1948-1989): revolutionary regimes, guerrilla warfare, military repression, counterinsurgency and "dirty wars," Liberation Theology, evangelical movements, land reforms, economic development, genocide, and proxy wars. *1 unit.*

**HIST 270 Early Islamic World**

An introduction to the major institutions that evolved under the aegis of Islamic Civilization from the advent of Islam in the early seventh century C.E. through the Mongol invasion in 1258. Since "Islam" in this context encompasses an entire cultural complex, the course will examine religious, political, economic, and social institutions. *1 unit.*

**HIST 271 The Modern Middle East**

Survey of Middle East from last years of Ottoman Empire to present. Emphasis on culture, Zionism,

Arab nationalism, diplomacy, and the Arab-Israeli conflict. *1 unit.*

### **HIST 272 The Ottoman Empire**

A survey of the history of Ottoman Turkish power from its origins as an obscure band of frontier warriors (ghazis), to when it became a world-empire and down to its collapse in the aftermath of World War I. *1 unit.*

### **HIST 281 Africa, c. 1500 to c. 1900**

Introduction to economic, social, political, and intellectual history of Africa from time of trans-Atlantic slave trade to colonial conquest. *1 unit.*

### **HIST 282 Africa in the Twentieth Century**

Introduction to economic, social, political, and intellectual history of Africa from colonial period to present. *1 unit.*

### **HIST 283 South Africa since 1500**

South Africa from precolonial period to present, with special attention to conquest, economic development, establishment of migrant labor system, segregation, and rise and fall of formal apartheid. *1 unit.*

### **HIST 290 British Empire and Commonwealth**

British imperialism from end of American Revolution through development of the modern Commonwealth. Emphasizes Canada, India, Africa, and Australia. *1 unit.*

### **HIST 291 History of Canada**

Development of Canadian society and state, emphasizing factors of geography, politics, and economics; influences from France and Great Britain; problems of regionalism and nationalism; and Canadian-American relations. *1 unit.*

### **HIST 299 Special Topics: Periods and Regions**

First-time or one-time courses in regions and periods not covered or not yet covered in the history program. *1 unit.*

### **HIST 300 Early American Women**

American women of all ranks and ethnicities from the transatlantic encounter in 1492 to the Seneca Falls convention of 1848. Major themes include changing constructions of gender, political struggles,

and interactions among women of native, African, and European origins. *1 unit.*

### **HIST 301 The Civil War in Film and Literature**

Comparison of historians' treatments of the Civil War with its portrayal in documentaries, feature films, and literature. *1 unit.*

### **HIST 303 Psychology in American Society and Culture**

(See Psychology 437.) *1 unit.*

### **HIST 304 African American Women's History**

Examination of major themes in African-American women's history, focusing on race, gender, and class as they affect black women's relation to family, work, activism, and other female groups. *1 unit.*

### **HIST 305 The Urban Crisis in America**

Explores the many changes that cities have undergone between 1945 and the present including segregation, rising crime rates, and failing schools and the responses to these pressing issues by the government, planners, and citizens. Grounded in a historical perspective on the urban crisis, this course uses tools of historical inquiry to probe the underlying causes of problems that plague urban America and to consider possible solutions. *Prerequisite:* Acceptance in Civic Engagement House. *1 unit.*

### **HIST 321 History of Work in Europe**

Historical study of world of work in early modern and modern Europe. Focus on nature of work itself, how it framed mentalities, created social classifications, informed economic thought, and shaped the political process. Topics include history of wage labor and guilds, early industry from countryside to cities, working class formation, division of labor in industry, and policing labor. *1 unit.*

### **HIST 322 Conquest and Coexistence: Medieval Frontier Society**

An examination of Medieval frontier societies in a comparative perspective, considering such themes as political organization and allegiances, and social, economic and religious life. Consideration given to both geographic and cultural frontiers — places where movement, confrontation, and intersection among peoples occurred. Particular emphasis on the dynamic of contact and separation, cultural ex-

change, and resistance in Southern Italy, Spain, the Crusader States, and the British Isles. *1 unit.*

### **HIST 323 The Victorians**

Exploration of individuals and socio-economic groups who lived in and helped define Britain in the reign of Queen Victoria, 1837-1901. *1 unit.*

### **HIST 324 Text and Context: Anna Karenina and Her World**

Interdisciplinary course investigating the Russian Great Reforms (1861-1881) through the lens of L.N. Tolstoy's "Anna Karenina." Examines issues connected to imperial Russian literary, social, cultural, and political history, as well as the subject of gender relations. *1 unit.*

### **HIST 325 The Enlightenment**

An exploration of approaches to and conceptions of what historians have come to call the "Enlightenment." What do they mean by "The Enlightenment"? In what ways do they seek a more full understanding of it? How and why do they disagree about its features? Although the main focus will be on secondary literature, primary texts will be read and discussed as examples of the kind of evidence scholars are trying to interpret. *1 unit.*

### **HIST 340 Imagining the Other: China and the West**

Examination of selected images China and "the West" constructed of each other in the past two and a half centuries and of the driving forces and mechanisms behind their production. *1 unit.*

### **HIST 341 History and Memory: WWII in East Asia**

Examines the lingering controversies surrounding the history of WWII in East Asia. It focuses on the intersections of history and memory, and explores the politics of remembering and representing difficult historical events associated with the war. Issues include the Nanjing Massacre, comfort women, the bombing of Hiroshima and Nagasaki, and the Battle of Okinawa. *1 unit.*

### **HIST 360 Crime and Punishment in Modern Latin America**

Changing conceptions and treatment of crime and punishment since independence: capital punish-

ment, banditry, vagrancy, infanticide, prostitution, crimes of passion, theft, lynchings, subversion, death squad killings, "disappearances," human rights abuses. *1 unit.*

### **HIST 380 Women and Gender in African History**

Women's roles in and perspectives on some of the major issues in African history, including slavery, colonialism, and development. *1 unit.*

### **HIST 390 Food and Power in Africa and Asia**

Comparative exploration of connection between food (cultivation, processing, distribution, consumption, and denial) and political legitimacy, social institutions, and individuals' identities and values in Asia and Africa from antiquity to present. *1 unit.*

### **HIST 391 Transnational Social Reform**

Seminar exploring the ideas, institutions, and social networks around which movements for transnational reform have been built. Students will examine the history of four movements for transnational social reform since the early 19th century: abolitionism, women's rights, anticolonialism, and environmentalism. *Prerequisite:* At least one other history course. *1 unit.*

### **HIST 392 Nations and Nationalisms**

An investigation of the confusing theoretical terrain of nation, nationalism, and national identity through a survey of major 19th and 20th century schools of thought, culminating in students' own case studies of specific national movements. *1 unit.*

### **HIST 399 Special Topics: Focused Themes**

First-time or one-time colloquia on focused topics not covered or not yet covered in the history program. *1 unit.*

### **HIST 400 Research Seminar for Majors**

Required seminar for majors taken in junior or senior year. Investigation of topic of limited focus. Substantial paper based on common reading and individual research in primary and secondary materials. Topics and instructors vary. See departmental Web site for seminar topics. Enrollment limited to 12 students. *1 unit.*

### **HIST 401 Directed Study**

Individually designed reading or research program conducted under faculty supervision. *Prerequisites:*

Five courses in history and permission of department. *.5-1 unit.*

### **HIST 402 Individual Internship**

Practical history-related work combined with some academic study. *Prerequisite:* Permission of department. *.5-1 unit.*

### **HIST 410 Historiography**

Introduction to principles and practices of historical writing. Although some attention paid to the history of historical writing since classical times, focus will be on contemporary modes of historical writing. *1 unit.*

### **HIST 411 Honors Thesis Prospectus**

Preparation of research prospectus for honors research seminar under direction of appropriate faculty. *Prerequisites:* History 410 and admission to departmental honors program. *.5 unit.*

### **HIST 412-413 Honors Research Seminar**

Research and writing of honors thesis in history. *Prerequisites:* History 410 and 411 and admission to departmental honors program. History 412 is a prerequisite to 413. *1-1 unit.*

## **INTERDISCIPLINARY CONCENTRATIONS**

### **Interdisciplinary Concentrations within Disciplinary Majors or Minors**

#### **Interdisciplinary Concentration in Arts Management**

Approachable by studio art, art history, music, theatre, and dance majors or minors and provides curricular links for students interested in further practical and academic experiences in the area of arts management. Faculty coordinators are the director of the Modlin Center for the Arts and the director of University Museums.

5 units, including

- One unit, chosen from
  - ART 322 Seminar in Museum Studies
  - MUS/THTR 310 Managing Performing Arts Organizations
- MUS/THTR/ART 345 Philanthropy in the Arts
- MUS/THTR/ART 388 Internship

- One unit in accounting, chosen from
  - ACCT 201 Fundamentals of Financial Accounting
  - 202 Fundamentals of Managerial Accounting
- One unit in marketing, chosen from
  - MKT 320 Principles of Marketing
  - MKT 321U Principles of Marketing

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

Courses in accounting and marketing may be taken in the School of Business, the School of Continuing Studies, or by transfer in consultation with one of the concentration's coordinators. A concentration coordinator should be consulted for approval of the internship as appropriate for the concentration.

The arts management coordinators may be consulted for additional recommended courses in areas of arts, business, or leadership that support the student's particular area of interest. An arts course in an area other than a student's major or minor is encouraged, and may include applied music study or music ensembles.

#### **Interdisciplinary Concentration in Comparative Literature for English Majors**

The basic assumption behind this concentration is that literary studies can be unduly limited by restricting the context and parameters of scholarly inquiry to the literary works of one particular literary tradition, usually defined in fairly narrow geographical and linguistic terms. Comparative literature in the broadest sense may be defined as the text-based investigation of themes, issues, and works of art, free from the fetters of artificial geographical, cultural, political, or disciplinary demarcations. Students of comparative literature achieve a greater awareness of certain boundaries involved in the traditional study of literature — national, linguistic, generic, disciplinary, etc. — and of the issues and advantages involved in crossing those boundaries. In this concentration, students willing to acquire additional linguistic and disciplinary skills will develop the habits and tools necessary to address problems or topics of interest from a number of literary and disciplinary perspectives.

7 units, including

- ENGL 391 Methods and Themes in Comparative Literature



- Three upper-level literature courses from the modern literatures and cultures, Latin American and Iberian studies, or classical studies departments, in the original language
- Two courses in fields outside of literature (Students will choose from ancillary fields such as philosophy, art history, religious studies, etc., in support of their research concentration, and subject to approval of concentration coordinator.)
- A one unit independent study culminating in a substantial research project; honors students can use this research project as their honors thesis.

### **Interdisciplinary Concentration in Medieval and Renaissance Studies for English Majors**

This concentration was created for English majors interested in deepening their knowledge of the cultures of the Middle Ages and Renaissance through interdisciplinary study. It thus requires that in addition to taking upper-level courses in Medieval and Renaissance English literature, majors also explore these periods from the perspective of other academic disciplines including, but not limited to, the history of art and architecture, foreign literatures, philosophy, religious studies, and history. It is hoped that the breadth of knowledge and intellectual flexibility that interdisciplinary study fosters will enable students in this concentration to undertake more complex kinds of research projects and achieve more sophisticated levels of critical thinking and writing than might otherwise have been possible.

7 units, including

- ENGL 308/ID 390 Interdisciplinary Studies in the Middle Ages and Renaissance
- One 300- or 400-level course in Medieval literature and one 300- or 400-level course in Renaissance literature, chosen from
  - ENGL 301 Literature of the Middle
  - ENGL 302 Literature of the English Renaissance
  - ENGL 303 Chaucer
  - ENGL 304 Shakespeare
  - ENGL 305 Critical Approaches to Shakespeare
  - ENGL 306 Milton
  - ENGL 309 Desire and Identity in the Renaissance: The Lyric Tradition
  - ENGL 330 Selected Topics in Literature Before the Early to Mid-19th Century

ENGL 400 Junior/Senior Seminar (depending on topic)

- Three units from at least two different departments outside of English, chosen from
  - ART 314 Northern Renaissance Art
  - ART 315 Art of the Italian Renaissance
  - ART 316 Art in the Age of Reform
  - FREN 411 The French Middle Ages
  - FREN 421 Renaissance
  - HIST 225 Medieval Italy
  - HIST 227 High Middle Ages
  - HIST 229 Medieval England
  - HIST 230 The Renaissance
  - ITAL 423 Le Tre Corone: Dante, Petrarca and Boccaccio
  - LAIS 321 Literary Spain: Poetry, Drama, Fiction
  - LAIS 432 True Lies: Fiction and Truth in Don Quijote
  - MLC 357 The Idea of the Renaissance: Self, History and Knowledge
  - RELG 258 Medieval Religious Thought

A final critical paper examining one or more works relevant to the major shall be completed in the junior or senior year preferably as the final project in ENGL 308/IDST 390 or in another appropriate upper-division English course with prior approval from the concentration coordinators.

Students also will be encouraged to consider enrolling in any number of the following courses (these courses will not, however, count toward the six courses in Medieval and Renaissance Studies required of English major concentrators):

- ART 221 Survey I: Prehistory through the Middle Ages
- ART 222 Survey II: Renaissance to the Present
- CLSC 301 Greek Art and Archeology
- CLSC 302 Roman Art and Archeology
- CLSC 306 The Classical Tradition
- ENGL 226 Love and War in Medieval Literature
- ENGL 234 Shakespeare
- ENGL 236 On the Road: Literature of Quest and Pilgrimage
- FREN 431 Le Siècle Classique
- GREK 301 Greek Epic
- GREK 302 Greek Drama
- HIST 110 Ideas and Institutions of Western Civilization I
- HIST 223 The Roman Empire

- PHIL 281 Philosophy of Art
- PHIL 362 Philosophy of Religion
- RELG 241 Introduction to Early Christian Era
- RELG 243 The World of the New Testament
- RELG 340 Varieties of Early Christianity
- RELG 341 Paul and Christian Origins
- RELG 342 John and Early Christian Literature

### **Interdisciplinary Concentration in Medieval and Renaissance Studies for Art History Majors**

This concentration is intended to encourage art history majors to develop an interdisciplinary approach to the study of Medieval and Renaissance visual cultures. The concentration aims to expose students to a variety of disciplines, approaches, and methodologies by supplementing their upper-level courses in Medieval and Renaissance art with those covering aspects of these historical periods in other academic disciplines. The selection of courses offered through the concentration allows students with a specific interest in Medieval and Renaissance art to broaden their knowledge of the periods, and provides them with opportunities to comprehensively examine topics of interest. Students will meet with their Medieval and Renaissance studies advisor in art history to outline a track of study from among the broad range of interdepartmental courses listed below.

6 units, including

- Three 300- or 400-level Department of Art and Art History courses in the areas of early Christian, Medieval or Renaissance art
- Three approved courses from at least two different departments outside art and art history, chosen from
  - CLSC 205 Greek and Roman Mythology: Epic
  - CLSC 207 Mythology: Greek Drama
  - CLSC 301 Greek Art and Archaeology
  - CLSC 302 Roman Art and Archaeology
  - CLSC 305 Greek and Roman Values
  - CLSC 306 The Classical Tradition
  - ENGL 226 Love and War in Medieval Literature
  - ENGL 234 Shakespeare
  - ENGL 236 On the Road: Literature of Quest and Pilgrimage
  - ENGL 301 Literature of the Middle Ages
  - ENGL 302 Literature of the English Renaissance
  - ENGL 303 Chaucer

- ENGL 304 Shakespeare
- ENGL 305 Critical Approaches to Shakespeare
- ENGL 306 Milton
- ENGL 307 Epic Traditions
- ENGL 390 Interdisciplinary Studies in the Middle Ages and Renaissance
- FREN 411 The French Middle Ages
- FREN 421 Renaissance
- GREK 301 Greek Epic
- GREK 302 Greek Drama
- GREK 303 Greek Historiography
- GREK 304 Greek Philosophical Prose
- HIST 223 The Roman Empire
- HIST 225 Medieval Italy
- HIST 226 Early Middle Ages
- HIST 227 High Middle Ages
- HIST 229 Medieval England
- HIST 230 Renaissance
- ITAL 321 Readings in Italian Literature
- LATN 302 Ovid
- LATN 303 Roman Epic
- LATN 304 Roman Historiography
- LATN 305 Horace
- LATN 306 Roman Philosophical Literature
- LATN 307 Catullus
- LATN 308 The Novel
- LATN 309 Cicero
- LAIS 432 True Lies: Fiction and Truth in Don Quixote
- PHIL 271 Ancient Greek Philosophy
- RELG 241 Introduction to Early Christian Era
- RELG 243 The World of the New Testament
- RELG 258 Medieval Religious Thought
- RELG 332 Hebrew and Christian Wisdom Literature
- RELG 340 Varieties of Early Christianity
- RELG 341 Paul and Christian Origins
- RELG 342 John and Early Christian Literature
- RELG 356 Religious Thought of the Renaissance and Reformation
- Senior thesis project on a subject in early Christian, Medieval or Renaissance art

Students also will be encouraged to consider enrolling in any number of the following courses (these courses will not, however, count toward the three courses in Medieval and Renaissance studies taken outside the Department of Art and Art History required for the art history concentration):

- FREN 431 Le Siècle Classique

- HIST 110 Ideas and Institutions of Western Civilization I
- PHIL 281 Philosophy of Art
- PHIL 362 Philosophy of Religion
- RELG 263 Religion and the Arts

### **Interdisciplinary Concentration in Neuroscience for Biology and Psychology Majors**

Majors in biology or psychology with a special interest in neurobiology or behavioral neuroscience may apply to pursue an interdisciplinary concentration in neuroscience. Because of the scheduling demands of the concentration, students are strongly encouraged to apply during the fall semester of the sophomore year.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### **Designated Courses for Biology Majors**

18.5 units, including

- BIOL 199 Introduction to Biological Thinking
- One unit in genetics, cellular and molecular biology, chosen from
  - BIOL 201 Genetics
  - BIOL 205 Cell Biology
- One unit in evolution, diversity and ecology, chosen from
  - BIOL 225 Evolution
  - BIOL 230 Ecology
- One unit in organismal biology, chosen from
  - BIOL 216 Botany
  - BIOL 217 Integrative Physiology
  - BIOL 229 Microbiology
- Five units of biology approved for the major, four of which are at the 300 level, with at least three chosen from
  - BIOL 308 Comparative Vertebrate Anatomy
  - BIOL 311 Microanatomy
  - BIOL 312 Developmental Biology
  - BIOL 338 Comparative Animal Physiology
  - BIOL 343 Neurobiology
  - BIOL 344 Behavioral Ecology
  - BIOL 345 Cellular Neurophysiology
  - BIOL 351 Special Topics: Biology of Neurodegenerative Disease
  - BIOL 352 Evolutionary Developmental Biology
- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 205-206 Organic Chemistry

- MATH 211-212 or 231-232 Calculus I and II
- One unit, chosen from
  - PHYS 132 General Physics with Calculus II
  - PHYS 133 Atomic and Sub-Atomic Physics
  - PHYS 134 Biological Physics
- PSYC 200 Methods and Analyses
- Two units of neuroscience-related psychology, chosen from
  - PSYC 331 Behavioral Neuroscience
  - PSYC 333 Cognitive Science
  - PSYC 341 Cognitive Neuroscience
  - PSYC 440 Advanced Neuroscience
  - PSYC 441 Clinical Neuroscience
  - PSYC 442 The Neurobiology of Relationships
  - Approved 400-level seminar
- One half unit research project in neuroscience, chosen from
  - BIOL 350 Undergraduate Research
  - BIOL 395 Honors Research

### **Designated Courses for Psychology Majors**

18 units, including

- PSYC 100 Introduction to Psychological Science
- PSYC 200 Methods and Analyses
- PSYC 331 Behavioral Neuroscience
- PSYC 341 Cognitive Neuroscience
- Two units of PSYC 361 Independent Research
- Two units of senior research, chosen from
  - PSYC 461/462 Senior Research
  - PSYC 491/492 Senior Honors
- Two units of PSYC 449 Advanced Seminar
- MATH 211-212 or 231-232 Calculus I and II
- One unit, chosen from
  - BIOL 201 Genetics
  - BIOL 205 Cell Biology
- One unit, chosen from
  - BIOL 225 Evolution
  - BIOL 229 Microbiology
  - BIOL 230 Ecology
  - BIOL 235 Physiology
- One unit, chosen from
  - BIOL 308 Comparative Vertebrate Anatomy
  - BIOL 311 Microanatomy
  - BIOL 312 Developmental Biology
  - BIOL 338 Comparative Animal Physiology
  - BIOL 343 Neurobiology
  - BIOL 344 Behavioral Ecology
  - BIOL 345 Cellular Neurophysiology
  - BIOL 351 Special Topics

BIOL 352 Evolutionary Developmental  
Biology

- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 205-206 Organic Chemistry

## INTERDISCIPLINARY STUDIES

*Scott Davis, Coordinator (Religion)*

Interdisciplinary studies offers two distinct programs: interdisciplinary colloquia and the self-designed interdisciplinary studies major (see below).

### The Interdisciplinary Colloquia

The interdisciplinary colloquia, which are one-semester electives, provide an opportunity to explore a variety of topics that do not typically fall within disciplinary boundaries. They are taught on a small-group basis, stressing student-faculty interaction, and are open to all students without prerequisites except as noted. Students should ascertain which courses are available in any given semester.

### The Interdisciplinary Studies Major

**Note:** A grade of not less than C (2.0) is required in each course comprising the major.

10 units of coursework including the senior thesis, noting

- The nature of the approved program will determine whether the degree is a Bachelor of Arts or Bachelor of Science. The interdisciplinary studies major provides a student the opportunity to propose and pursue, with faculty supervision, a unique program of study.
- The specific program of study is developed by the student in consultation with two faculty advisors, cohering to a central student-determined theme, involving two or more departments, culminating in a significant senior thesis. The program must be approved by two faculty advisors, the interdisciplinary studies coordinator, and the dean of the School of Arts and Sciences.
- Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## Courses

### IDST 200 The Medical Humanities

Designed for students who are planning to enter the health care field. The course provides an introduction to non clinical aspects of medical practice that confront health care practitioners. Topics include medical ethics, cross-cultural medicine, the doctor-patient relationship, and death and dying. *1 unit.*

### IDST 280 Principles of the Natural Sciences

Explores foundational principles of biology, chemistry, and physics. Students gain experience using these principles in an applied context, fostering critical thought. Designed for pre medical students preparing to take the Medical College Admissions Test (MCAT). Graded Satisfactory/Unsatisfactory. *Prerequisite:* Biology 205 and Chemistry 206. *0 units.*

### IDST 281 Principles of the Natural Sciences

Explores foundational principles of biology, chemistry, and physics. Students gain experience using these principles in an applied context, fostering critical thought. Designed for premedical students preparing to take the Medical College Admissions Test (MCAT). Continuation of Interdisciplinary Studies 280. Graded Pass/Fail. *Prerequisite:* Interdisciplinary Studies 280. *.25 unit.*

### IDST 285 Developing Interdisciplinary Research

Focuses on development of an interdisciplinary research project from inception through writing of grant proposal. Begins with discussion of scientific question being addressed, followed by discussions of broad concepts of a research proposal and, finally, the development and completion of a final proposal. Involves literature search, discussions concerning design and execution of experiments, as well as interpretation of data (both quantitative and qualitative). Experimentation will involve a variety of techniques and approaches; expose students to interdisciplinary nature of modern biomedically related research and how collaboration leads to enhancement of a project; and promote students' ability to think critically, write a proposal, and discuss and present their ideas to others in an effective manner. The faculty/research student teams will work to develop a final research proposal for NSF or another suitable funding agency. *Prerequisites:* Chemistry 141 and Biology 201 or 205. *.5 unit.*

**IDST 299 Selected Topics**

One semester elective. Explores a variety of topics that do not typically fall within disciplinary boundaries. *1 unit.*

**IDST 300 Technologies of Change: Information Resources, Policies and Communities**

Focus on understanding, using, and evaluating information technologies for research, communication, manipulation of data, and presentation of ideas and results. Consideration of public policy, ethical and technological issues related to information access, presentation, ownership, and distribution. *1 unit.*

**IDST 334 Urban Revitalization and Preservation**

Using the city of Richmond as a laboratory, a study of importance of preserving old and historic structures, districts and artifacts, and of maintaining integrity and flavor of existing neighborhoods within context of modern urban environment. *1 unit.*

**IDST 379 Combined Major Project/Portfolio**

Working with faculty mentors, students will write a 20-30 page research paper on an interdisciplinary topic. For students in combined majors with French and German, this paper will become part of a portfolio representing significant achievements in the major and emphasizing the interdisciplinary and/or cross-cultural aspects of the major. *Prerequisite:* Department approval. *.5 unit.*

**IDST 390 Interdisciplinary Studies in the Middle Ages and Renaissance**

(See English 308.) *1 unit.*

**IDST 397 Special Topics**

Topics will vary from semester to semester. *1 unit.*

**IDST 398-399 Senior Thesis**

For students in the interdisciplinary studies major. *.5-.5 unit.*

**INTERNATIONAL STUDIES**

*John Gordon, Coordinator (History)*

The international studies major is composed of six concentrations that are coordinated by advisors with special expertise in the areas. Students with specific

interests outside the described concentrations may petition to create an independent concentration.

**The International Studies Major**

**Note:** A grade of not less than C (2.0) is required in all coursework comprising the major.

13 units, including

**A. Enhanced Language Proficiency**

At least two units of 300- or 400-level courses in the Department of Modern Literatures and Cultures or Department of Latin American and Iberian Studies, excluding courses taught in English, or satisfactory completion of an approved language achievement examination for 300-level equivalency. **Note:** Students with unusual or advanced language preparation may petition the IS Coordinator, their concentration advisor, and the chair of MLC or LAIS for a waiver of this requirement.

**B. Approved Experience Abroad**

In order to provide for a significant degree of cultural immersion, the experience abroad will be related to the student's concentration and will be at least one semester in length. Any program which does not meet these requirements must be approved by the concentration advisor in consultation with the program coordinator.

**C. International Studies Coursework (three core units and an IS concentration)**

- One unit, chosen from
  - PLSC 250 Introduction to International Relations
  - GEOG/IS 210 Geographic Dimensions of Human Development
- IS 290 Perspectives in International Studies
- IS 400 Senior Seminar
- An international studies concentration (within the concentration: eight units selected from three or more departments with no more than four units from a single department)

**Note:** With prior approval, study abroad courses may be applied toward the major.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## International Studies: Africa

*Joseph Obi (Sociology), Advisor*

8 units, chosen from the following (may include up to two courses dealing with the African diaspora, marked with an \*). For eligibility of other relevant courses for inclusion in the major, see the concentration advisor.

ANTH 101 Introduction to Cultural Anthropology  
 ANTH 300 Sexuality and Gender Across Culture  
 ANTH 304 Ritual, Witchcraft and Divination  
 ANTH 328 Anthropology of Human Rights  
 ANTH 336 Politics, Power and Ritual  
 ANTH 338 Africa: Cultural Change in a Post-Colonial Setting  
 ECON 105 Introduction to Global Economics  
 ECON 211 Economic Development in Asia, Africa and Latin America  
 ENGL 218 African Literature  
 ENGL 231 African-American Literature\*  
 ENGL 238 Readings in Caribbean Literature\*  
 ENGL 331 Literatures of Africa  
 ENGL 332 Literatures of the Caribbean\*  
 ENGL 335 Black Women Writers\*  
 ENGL 358 African-American Women Writers\*  
 FREN 324 Francophone Literatures and Cultures  
 FREN 471 Francophone Studies  
 GEOG 207 World Regional Geography - Developing Regions  
 GEOG 370 Geographies of Economic Development and Globalization  
 HIST 281 Africa c. 1500-1900  
 HIST 282 Africa in the Twentieth Century  
 HIST 283 South Africa since 1500  
 HIST 380 Women and Gender in African History  
 HIST 390 Food and Power in Africa and Asia  
 IS 230 Introduction to Africa  
 IS 240 Gods, Spirits and Faith in Africa  
 IS 301 Dependency and Development: An Introduction to the Third World  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization  
 IS 320 Power, Space and Territory: Geographies of Political Change  
 IS 351 Globalization  
 MUS 115 The Jazz Tradition\*  
 MUS 203 Global Hip Hop\*  
 PLSC 346 Politics of Cultural Pluralism

PLSC 347 Politics of Developing Nations

PLSC 348 Politics of Africa

SOC 230 Introduction to Africa: The Sociology of Africa

SOC 316 Race and Ethnicity in America\*

SOC 335 Feast and Famine: Inequalities in the Global Food System

## International Studies: Asia

*Jane M. Geaney (Religion), Advisor*

8 units, including

- Three units from area A chosen in consultation with the concentration advisor
- Three units from area B chosen in consultation with the concentration advisor
- Two units from area A or B chosen in consultation with the concentration advisor

For eligibility of other relevant courses for inclusion in the major, see the concentration advisor.

**Note:** Students taking courses marked with an \* can receive credits toward the concentration, provided they have the concentration advisor's approval and their papers/projects are related to Asia.

### Area A: Humanities

ART 212 Introduction to Asian Art

ART 226 Art and Culture of Japan

ART 378 Topics in Asian Art

ART 383 East Asian Painting, Poetry and Calligraphy

CHIN 311 Insights into Chinese Culture

CHIN 401-402 Advanced Chinese Language, Literature and Culture

ENGL 214 Literature of India

ENGL 333 Literatures of South Asia

ENGL 337 Postcolonial Literatures\*

HIST 130 East Asian Civilizations

HIST 250 Modern East Asia 1600-1960

HIST 251 Chinese Revolutions

HIST 252 China Modern 1900-1940

HIST 253 Empires and Nations in Modern East Asia

HIST 254 Modern Japan

HIST 255 Meiji Japan: An Emperor and the World Named for Him

HIST 290 British Empire and Commonwealth\*

JAPN 310 Japanese Culture

MLC 235 Special Topics in Japanese Film  
 MUS 124 Asian Music and Globalization  
 REGL 250 Introduction to World Religions  
 RELG 251 Sacred Arts of India  
 RELG 253 Body/Sex in World Religious Literature  
 RELG 255 Queers in Religion\*  
 RELG 352 Buddhism in India and Tibet  
 RELG 355 Selected Asian Religions  
 RELG 366 Buddhist Philosophy

### Area B: Social Sciences

ANTH 328 Anthropology of Human Rights\*  
 ANTH 339 Pacific Island Cultures and  
 Ethnographies  
 ANTH 340 Southeast Asia: Cultural  
 Representations  
 ECON 105 Introduction to Global Economics  
 ECON 211 Economic Development in Asia, Africa  
 and Latin America  
 GEOG 207 World Regional Geography-Developing  
 Regions\*  
 GEOG 345 Society, Economy and Nature: Global  
 Perspective on Sustainable Development\*  
 GEOG 370 Geographies of Economic  
 Development and Globalization\*  
 HIST 340 Imagining the Other: China and the  
 West  
 HIST 341 History and Memory: WWII in East  
 Asia  
 HIST 390 Food and Power in Asia and Africa  
 IBUS 390 International Business Issues (Asia/Pacific  
 Management)\*  
 IS 245 Introduction to South Asia  
 IS 301 Dependency and Development: An  
 Introduction to the Third World\*  
 IS 310 Tribe, Nation, World: The Anthropology of  
 Globalization\*  
 IS 320 Power, Space and Territory: Geographies of  
 Political Change\*  
 IS 351 Globalization\*  
 PLSC 343 Politics of Asia  
 PLSC 345 Politics of China, Hong Kong and Taiwan  
 PLSC 347 Politics of Developing Nations\*  
 PLSC 357 International Relations of East Asia  
 PLSC 358 The United States and the Pacific Rim  
 SOC 306 Social Change in a Global Perspective\*  
 SOC 335 Feast and Famine: Inequalities in the  
 Global Food System\*

## International Studies: International Economics

*Jonathan B. Wight (Economics), Advisor*

Students are strongly encouraged to develop proficiency in economics with either a minor or double major (see economics department listings for requirements).

8 units, including

- ECON 210 The Economics of the European Union
- ECON 211 Economic Development in Asia, Africa and Latin America
- ECON 310 International Trade and Finance
- Five elective units from two or more departments in the following list:
  - ACCT 315 International Accounting Issues
  - ANTH 101 Introduction to Cultural Anthropology
  - ANTH 307 Indigenous Peoples of the Americas
  - ANTH 308 Latin America: An Ethnographic Perspective
  - ANTH 336 Politics, Power and Ritual
  - ANTH 338 Africa: Cultural Change in a Post-Colonial Setting
  - ANTH 339 Pacific Island Cultures and Ethnographies
  - ANTH 340 Southeast Asia: Cultural Representations
  - FIN 462 International Financial Management
  - GEOG 206 World Geography - Developed Regions
  - GEOG 207 World Geography - Developing Regions
  - GEOG 210 Geographic Dimensions of Human Development
  - GEOG 345 Society, Economy and Nature
  - GEOG 370 Geographies of Economic Development and Globalization
  - HIST 236 Russian Empire, Soviet Union and After
  - HIST 237 The Last Soviet Generation
  - HIST 241 Modern European Thought Since 1850
  - HIST 242 Modern Germany
  - HIST 243 Modern Britain
  - HIST 244 The Hapsburg Empire and After
  - HIST 245 Modern Balkans

- HIST 246 Russia in Revolution, 1905-1934  
 HIST 247 Modern Ireland  
 HIST 248 European Diplomacy from Bismarck to Hitler  
 HIST 249 Twentieth-Century Europe  
 HIST 250 Modern East Asia 1600-1960  
 HIST 251 Chinese Revolutions  
 HIST 252 China Modern: 1900-1940  
 HIST 253 Empires and Nations in Modern East Asia  
 HIST 254 Modern Japan  
 HIST 255 Meiji Japan: An Emperor and the World Named for Him  
 HIST 261 Modern Latin America  
 HIST 262 The Making of Modern Brazil  
 HIST 271 The Modern Middle East  
 HIST 272 The Ottoman Empire  
 HIST 282 Africa in the Twentieth Century  
 HIST 283 South Africa since 1500  
 HIST 290 British Empire and Commonwealth  
 HIST 291 History of Canada  
 HIST 340 Imagining the Other: China and the West  
 HIST 341 History and Memory: WWII in East Asia  
 HIST 380 Women and Gender in African History  
 HIST 390 Food and Power in Africa and Asia  
 IBUS 381 International Business Environment  
 IBUS 390 International Business Issues and Topics  
 IBUS 411 International Business Strategy  
 IS 230 Introduction to Africa: The Sociology of Africa  
 IS 245 Introduction to South Asia  
 IS 301 Dependency and Development: An Introduction to the Third World  
 IS 310 Tribe, Nation, World : The Anthropology of Globalization  
 IS 320 Power, Space and Territory: Geographies of Political Change  
 IS 321 Exploring Latin American Experience: An Interdisciplinary Seminar  
 IS 351 Globalization  
 MGMT 333 International Management  
 MKT 325 International Marketing  
 PHIL 337 Social and Political Philosophy  
 PHIL 344 Twentieth-Century Continental Philosophy  
 PLSC 240 Introduction to Comparative Politics  
 PLSC 312 Modern Political Theory  
 PSLC 340 Islam and Politics  
 PLSC 341 Great Britain, France and Germany  
 PLSC 342 Transitions from Communism in Europe and Eurasia  
 PLSC 343 Politics of Asia  
 PLSC 344 Europe Today  
 PLSC 345 Politics of China, Hong Kong and Taiwan  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 348 Politics of Africa  
 PLSC 349 Politics of Latin America and the Caribbean  
 PLSC 350 American Foreign Policy  
 PLSC 352 International Law and Organizations  
 PLSC 355 Middle East Security  
 PLSC 356 International Political Economy  
 PLSC 357 International Relations of East Asia  
 PLSC 358 The United States and the Pacific Rim  
 PLSC 360 International Development Policy  
 PLSC 374 Methods for Cross National Research  
 RELG 250 Introduction to World Religions  
 SOC 230 Introduction to Africa: The Sociology of Africa  
 SOC 231 Across the Pond: Europe vs. USA  
 SOC 232 Postsocialism in Russian and Eastern Europe  
 SOC 335 Feast and Famine: Inequalities in the Global Food System

## International Studies: Latin America

*Mary Finley-Brook (Geography) and David Salisbury (Geography), Advisors*

8 units, including

- One introductory course on Latin America (Group A)
- At least three units focusing on Latin America (Group B)
- No more than two units with partial content on Latin America (Group C)



- No more than two units in background courses (Group D)

*Courses marked with an asterisk (\*) may vary in emphasis depending upon instructor. Check before taking the class.*

*Courses marked with two asterisks (\*\*) are similar in content; students may receive credit toward the concentration for only one course.*

### **Group A: Introductory Courses on Latin America**

- ANTH 308 Latin America: An Ethnographic Perspective  
 IS 321 Exploring Latin American Experience: An Interdisciplinary Seminar  
 LAIS 312 Perspectives on Nations and Cultures of Latin America

### **Group B: Courses Focusing on Latin America**

- BIOL 383 Tropical Biology and Conservation  
 ENGL 205 Latino/a Literature and Film \*\*  
 ENGL 332 Literatures of the Caribbean  
 HIST 261 Modern Latin America  
 HIST 262 The Making of Modern Brazil  
 HIST 263 Latin America in the Cold War Years  
 HIST 360 Crime and Punishment in Modern Latin America  
 LAIS 331-332 Introduction to Spanish-American Literature, I-II  
 LAIS 391 Contemporary Luzo-Brazilian Readings  
 LAIS 452 Spanish-American Poetic Texts  
 LAIS 471 Latin American Cinema  
 LAIS 472 Contemporary Spanish-American Theater  
 LAIS 474 Contemporary Writing in Latin America: Sex, Drugs and Rock 'n' Roll  
 LAIS 475 Women and Writing in Latin America  
 LAIS 477 Literature of the Spanish-Speaking Caribbean  
 LAIS 484 The Latin American Essay  
 LAIS 485 Spanish-American Narrative  
 LAIS 486 U.S. Latino/a Literature \*\*  
 LAIS 487 Latin America: Encounter and Conflict  
 PLSC 349 Politics of Latin America and the Caribbean

### **Group C: Courses with Partial Content on Latin America**

- ANTH 307 Indigenous Peoples of the Americas  
 ANTH 328 Anthropology of Human Rights

- ECON 211 Economic Development in Asia, Africa and Latin America  
 GEOG 207 World Regional Geography - Developing Regions\*  
 GEOG 345 Society, Economy and Nature: Global Perspectives on Sustainable Development  
 GEOG 370 Geographies of Economic Development and Globalization  
 IS 301 Dependency and Development: An Introduction to the Third World  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization\*  
 IS 320 Power, Space and Territory: Geographies of Political Change  
 IS 351 Globalization  
 MUS 117 Salsa Meets Jazz  
 SOC 306 Social Change in a Global Perspective

### **Group D: Background Courses**

- ECON 105 Introduction to Global Economics  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 356 International Political Economy  
 PLSC 360 International Development Policy

## **International Studies: Modern Europe**

*David Brandenberger (History), Yvonne Howell (Modern Literatures and Cultures), and Hugh A. West (History, Advisors)*

8 units, including

- HIST 111 Ideas and Institutions of Western Civilization
- PLSC 344 Europe Today
- Two courses from area A chosen in consultation with the concentration advisor
- Two courses from area B chosen in consultation with the concentration advisor
- Two courses from area C chosen in consultation with the concentration advisor

### **Area A: Social Sciences/History**

- ECON 105 Introduction to Global Economics  
 ECON 210 The Economics of the European Union  
 ECON 220 History of Economic Thought  
 GEOG 206 World Geography - Developed Regions  
 HIST 224 European Women and Gender before Suffrage  
 HIST 230 The Renaissance

HIST 234 Georgian Britain, 1714-1837  
HIST 235 France: Old Regime and Revolution  
HIST 236 Russian Empire, Soviet Union and After  
HIST 237 The Last Soviet Generation  
HIST 242 Modern Germany  
HIST 243 Modern Britain  
HIST 244 The Hapsburg Empire and After  
HIST 245 Modern Balkans  
HIST 246 Russia in Revolution, 1905-1934  
HIST 247 Modern Ireland  
HIST 248 European Diplomacy from Bismarck to Hitler  
HIST 249 Twentieth-Century Europe  
HIST 272 The Ottoman Empire  
HIST 321 History of Work in Europe  
HIST 323 The Victorians  
HIST 392 Nations and Nationalism  
PLSC 240 Introduction to Comparative Politics  
PLSC 341 Great Britain, France and Germany  
PLSC 342 Transitions from Communism in Europe and Eurasia  
SOC 231 Across the Pond: Europe vs. USA  
SOC 232 Postsocialism in Russia and Eastern Europe  
SOC 306 Social Change in a Global Perspective

**Area B: Intellectual and Cultural History**

ART 222 Art History: Renaissance to the Present  
ART 314 Northern Renaissance Art  
ART 315 Art of the Italian Renaissance  
ART 316 Art in the Age of Reform  
ART 317 Nineteenth-Century Art  
ART 318 Twentieth-Century Art  
FREN 311 French and Francophone Culture  
FREN 441 Enlightenment  
FREN 465 French Film  
FREN 487 Contemporary Ideas  
GERM 311 German Culture and Civilization  
GERM 440 Age of Idealism  
GERM 452 Fin-de-siècle  
GERM 465 Rebels with a Cause: Political Satire  
GERM 471 Sexuality and German Society  
GERM 472 Multiculturalism, Identity and Authorship in the German Context  
HIST 240 Modern European Thought, 1650-1850  
HIST 241 Modern European Thought since 1850  
HIST 325 The Enlightenment  
ITAL 411 Italian Identities: Sicily, Veneto and Tuscany  
LAIS 305 Spanish in Politics and Society

LAIS 311 Perspectives on People and Cultures of Spain  
LAIS 431 Imperial Spain  
LAIS 455 Barcelona: Text and City  
LAIS 462 Visions of Contemporary Spain  
LAIS 465 Spanish Cinema  
MLC 256 Psychoanalysis, Literature and Culture  
MLC 331 Russian Cinema  
MLC 332 Conscience and Consciousness in 19th-Century Russian Painting  
MLC 335 Bolsheviks, Bombs and Ballet: Soviet Culture and Civilization  
MLC 340 European Romanticism  
MLC 360 Representing the Holocaust  
MLC 365 German Film in Context  
MUS 228 Critical Studies in Music History II  
MUS 343 The Mass from Plainchant to Pärt  
MUS 344 Opera Studies  
PHIL 272 Modern Western Philosophy  
PHIL 275 Marx, Nietzsche and Freud  
PHIL 336 Nineteenth-Century European Philosophy  
PHIL 337 Social and Political Philosophy  
PHIL 339 Topics in Existentialism  
PHIL 343 Twentieth-Century Analytic Philosophy  
PHIL 344 Twentieth-Century Continental Philosophy  
PHIL 357 Nietzsche  
PLSC 312 Modern Political Theory  
RELG 356 Religious Thought of the Renaissance and Reformation  
RUSN 311 Readings in Russian Cultural Studies

**Area C: Literature**

ENGL 302 Literature of the English Renaissance  
ENGL 304 Shakespeare  
ENGL 306 Milton  
ENGL 311 English Literature of the Restoration and Eighteenth Century  
ENGL 312 English Literature of the Romantic Period  
ENGL 338 English Literature of the Victorian Period  
ENGL 346 Twentieth-Century British Literature  
ENGL 349 Late Imperial Fiction  
FREN 320 Introduction to French Literature  
FREN 326 Revolution in France  
FREN 327 The Question of Modernity  
FREN 421 Renaissance  
FREN 431 Le Siècle Classique

FREN 451 From Romanticism to Decadence  
 FREN 461 From Modern to Post-Modern  
 GERM 321 Introduction to German Literature  
 ITAL 321 Italian Literature in Context  
 ITAL 453 Selected Readings in 19th and 20th  
 Century Italian Literature and Culture  
 LAIS 321 Literary Spain: Poetry, Drama, Fiction  
 LAIS 432 True Lies: Fiction and Truth in Don  
 Quixote  
 LAIS 451 Spanish Literature of Exile  
 LAIS 463 Modern Spanish Narrative  
 LAIS 464 Modern Theatre in Spain  
 MLC 321 Introduction to 19th-Century Russian  
 Literature  
 MLC 322 Introduction to 20th-Century and  
 Contemporary Russian Literature  
 MLC 357 The Idea of the Renaissance: Self, History  
 and Knowledge  
 MLC 358 Desire and Identity in the Renaissance:  
 The Lyric Tradition  
 RUSN 420 Readings in Russian Literature

## International Studies: World Politics and Diplomacy

*Sheila Carapico (Political Science), Melissa LaBonte  
 (Political Science), John L. Gordon Jr. (History) and  
 John D. Treadway (History), Advisors*

8 units, including

- Three units chosen from
  - ECON 105 Introduction to Global Economics
  - ECON 210 The Economics of the European  
 Union
  - ECON 211 Economic Development in Asia,  
 Africa and Latin America
  - ECON 310 International Trade and Finance
  - GEOG 370 Geographies of Economic  
 Development and Globalization
  - HIST 214 United States and the World,  
 1877-1945
  - HIST 215 United States and the World Since  
 1945
  - HIST 248 European Diplomacy from  
 Bismarck to Hitler
  - HIST 391 Transnational Social Reform
  - IS 320 Power, Space and Territory:  
 Geographies of Political Change
  - IS 351 Globalization
  - PLSC 350 American Foreign Policy

- PLSC 352 International Law and  
 Organizations
- PLSC 356 International Political Economy
- PLSC 360 International Development Policy
- Five additional units selected from above and  
 below
  - ANTH 101 Introduction to Cultural  
 Anthropology
  - ANTH 336 Politics, Power and Ritual
  - ANTH 328 Anthropology of Human Rights
  - ECON 230 Environmental Economics
  - ENGL 336 Literatures of Globalization
  - GEOG 206 World Geography-Developed  
 Regions
  - GEOG 207 World Geography-Developing  
 Regions
  - GEOG 345 Society, Economy and Nature:  
 Global Perspectives on Sustainable  
 Development
  - HIST 236 Russian Empire, Soviet Union and  
 After
  - HIST 237 The Last Soviet Generation
  - HIST 240 Modern European Thought,  
 1650-1850
  - HIST 242 Modern Germany
  - HIST 243 Modern Britain
  - HIST 244 The Hapsburg Empire and After
  - HIST 245 Modern Balkans
  - HIST 246 Russia in Revolution, 1905-1934
  - HIST 247 Modern Ireland
  - HIST 249 Twentieth-Century Europe
  - HIST 250 Modern East Asia 1600-1960
  - HIST 252 China Modern: 1900-1940
  - HIST 253 Empires and Nations in Modern  
 East Asia
  - HIST 254 Modern Japan
  - HIST 255 Meiji Japan: An Emperor and the  
 World Named for Him
  - HIST 261 Modern Latin America
  - HIST 262 The Making of Modern Brazil
  - HIST 263 Latin America in the Cold War  
 Years
  - HIST 270 Early Islamic World
  - HIST 271 The Modern Middle East
  - HIST 272 The Ottoman Empire
  - HIST 282 Africa in the Twentieth Century
  - HIST 283 South Africa Since 1500
  - HIST 290 British Empire and Commonwealth
  - HIST 291 History of Canada

HIST 340 Imagining the Other: China and the West  
 HIST 341 History and Memory: WWII in East Asia  
 HIST 360 Crime and Punishment in Modern Latin America  
 HIST 390 Food and Power in Africa and Asia  
 HIST 392 Nations and Nationalism  
 IS 230 Introduction to Africa  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization  
 IS 321 Exploring Latin American Experience  
 LDST 307 Leadership in International Contexts  
 LDST 354 Conflict Resolution  
 PLSC 240 Introduction to Comparative Politics  
 PLSC 340 Islam and Politics  
 PLSC 341 Great Britain, France and Germany  
 PLSC 342 Transitions from Communism in Europe and Eurasia  
 PLSC 343 Politics of Asia  
 PLSC 344 Europe Today  
 PLSC 345 Politics of China, Hong Kong and Taiwan  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 348 Politics of Africa  
 PLSC 349 Politics of Latin America and the Caribbean  
 PLSC 355 Middle East Security  
 PLSC 358 The United States and the Pacific Rim  
 PLSC 374 Methods for Cross National Research  
 RELG 250 Introduction to World Religions  
 RHCS 345 Rhetoric of Terrorism, (In)Security and the State  
 RHCS 350 International Communication  
 SOC 231 Across the Pond: Europe vs. USA  
 SOC 232 Postsocialism in Russia and Eastern Europe  
 SOC 306 Social Change in a Global Perspective  
 SOC 308 Sociology of War

## Individual Programs

A student who has an interest in an international studies area not listed here may be able to develop an individual program of study to meet the concentration requirement. Such a program will have a theme supported by appropriate courses and shall be ap-

proved by the coordinator of international studies. Students who wish to pursue this option should see the program coordinator early in their college career to allow adequate time for planning.

## Courses

### IS 210 Geographic Dimensions of Human Development

(See Geography 210.) *1 unit.*

### IS 230 Introduction to Africa

Survey of African history, geography, institutions, and current issues. *1 unit.*

### IS 240 Gods, Spirits and Faith in Africa

Religious practices, institutions, and forms of experience in Africa. Topics include creation myths, apocalyptic faiths, conventional and modified versions of Islam; mission and Zionist Christianities; sorcery in contemporary politics; spirit possession; and ancestor worship. *1 unit.*

### IS 245 Introduction to South Asia

General introduction to South Asia emphasizing the themes of tradition and change. Approach will be topical with attention to geography and history, literature and rhetoric, the social order, music and the visual arts, political systems, and relations among South Asian nations. *1 unit.*

### IS 250 Selected Topics

Topics and issues in international studies. May be repeated for credit when topics vary. *1 unit.*

### IS 290 Perspectives in International Studies

Issues in cross-cultural representation and interpretation. Analysis of origins and implications of diversity and interdependence among nations, cultures, regions. This course is intended for 2nd- and 3rd-year students. Not open to seniors except by permission of instructor. *1 unit.*

### IS 301 Dependency and Development: An Introduction to the Third World

Interdisciplinary overview of less developed countries. Includes history of third world, economics, politics, population growth, urbanization, world hunger, the environment, human rights, and theories of underdevelopment. *1 unit.*

**IS 310 Tribe, Nation, World: The Anthropology of Globalization**

Globalization “from the ground up,” i.e., the perspective of people affected by the spread of consumerism, entertainment media, and Western values. Theoretical controversies and particular case studies. *1 unit.*

**IS 320 Power, Space, and Territory: Geographies of Political Change**

(See Geography 320; same as Political Science 320.) *1 unit.*

**IS 321 Exploring Latin American Experience: An Interdisciplinary Seminar**

Multiple disciplinary perspectives on history, society, politics, economics, and culture of Latin America. *Prerequisite:* One course on Latin America. *1 unit.*

**IS 331 Global Cities**

A collaborative and interdisciplinary approach to research questions raised by the complexity of the new mega-cities that dominate global culture. *1 unit.*

**IS 342 Transitions from Communism in Europe and Eurasia**

(See Political Science 342.) *1 unit.*

**IS 350 Selected Topics**

Selected topics in related subjects as arranged by the program coordinator. May be repeated for credit when topics vary. *Prerequisite:* Permission of department. *1 unit.*

**IS 351 Globalization**

(See Political Science 351.) *1 unit.*

**IS 388 Internship**

May be taken for a grade or pass/fail. Up to one unit may be applied towards the major, only when a grade is awarded. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisites:* International Studies 290 and permission of department. *.5-1 unit.*

**IS 390 Independent Study**

Topics independently pursued under supervision of faculty member. *Prerequisite:* Permission of department. *.5-1 unit.*

**IS 400 Senior Seminar**

Follow up on core concepts and approaches introduced in International Studies 290; sets of international issues and relationships are studied using tools and approaches of several disciplines. Seminar topics change from semester to semester. While readings are common, student's area of individual inquiry is, where possible, related to the concentration. *Prerequisite:* International Studies 290. *1 unit.*

**ITALIAN STUDIES PROGRAM***Department of Modern Literatures and Cultures*

*Lidia Radi, Section Coordinator*

*Associate Professor Russell*

*Assistant Professor Radi*

*Director of Intensive Language Program Marcin*

*Affiliated Faculty: Elena Calvillo (Art History),*

*Joanna Drell (History)*

This section contains information specific to the degree programs in Italian studies. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

**Study Abroad**

Study and travel abroad are strongly encouraged for all students. For students of Italian, the department offers summer study programs in Italy. In addition, there are exchange agreements for study during the academic year in Verona, Ferrara, and Milano. For a complete list, contact the Office of International Education.

Courses in Italian language, literature, and culture are offered in the Department of Modern Literatures and Cultures. Additionally, students may pursue the Italian Studies major or minor, which combine work in MLC with related courses in other departments.

**The Italian Studies Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9.5 units, including

- ITAL 301 Italian Conversation: Culture and Contemporary Issues
- ITAL 305 Advanced Grammar and Composition
- ITAL 321 Italian Literature in Context

- Two units, chosen from
  - ITAL 411 Italian Identities: Sicily, Veneto, and Tuscany
  - ITAL 423 Le Tre Corone: Dante, Petrarca and Boccaccio
  - ITAL 470 Selected Readings in 19th- and 20th-Century Italian Literature and Culture
  - ITAL 497 Selected Topics in Italian Literature and Culture
- Four units, chosen from (with a LAC in Italian, if taken in English)
  - ITAL 315 Folklore and Legend in Northern Italy
  - MLC 340 European Romanticism
  - MLC 350 Introductory Linguistics
  - MLC 351 Contemporary Literary Theory
  - MLC 357 The Idea of the Renaissance: Self, History and Knowledge
  - MLC 358 Desire and Identity in the Renaissance: The Lyric Tradition
  - MLC 360 Representing the Holocaust
  - ART 310 Late Antique and Early Christian Art
  - ART 311 Medieval Byzantine Art
  - ART 315 Art of the Italian Renaissance
  - ART 316 Art in the Age of Reform
  - CLSC 302 Roman Art and Archaeology
  - HIST 223 The Roman Empire
  - HIST 225 Medieval Italy
  - HIST 227 The High Middle Ages
  - HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500
  - HIST 230 The Renaissance
  - HIST 249 Twentieth-Century Europe
  - LATN 303 Roman Epic
  - LATN 306 Roman Philosophical Literature
  - LATN 307 Catullus
  - LATN 309 Cicero
  - PLSC 344 Europe Today
  - RELG 356 Religious Thought of the Renaissance and Reformation
- ITAL 498-499 Senior Project I and II

In addition to the regularly offered courses there will be others offered occasionally that may count towards an Italian studies major. All courses outside MLC that can be taken for credit towards the major will be announced by the section coordinator at the beginning of each registration period. Students should always check with the section coordinator to make sure that courses outside of MLC will count

towards the major. Students are strongly encouraged to satisfy some of the requirements of the major by studying abroad.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## The Italian Studies Major/ International Business Option

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9.5 units in addition to completing all requirements of the international business concentration for the business administration major, including

- Five units in Italian at the 300 or 400 level
- ITAL 498-499 Senior Project I and II
- One semester full-time study at Bocconi University of Economics and Business Administration (four courses)

The Italian major/international business option represents a joint project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International Business Program in the Robins School of Business. The curriculum includes a semester abroad at one of the University's partner institutions. There, students will continue their Robins School concentrations in classes with both local and other international students.

In order to prepare for the experience abroad, students in Italian will need to have completed at least Italian 221 on the Richmond campus; they must take at least one concurrent course in Italian while at Bocconi.

## The Italian Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5.5 units, including

- Three Italian courses above the 200 level
- Two units, chosen from (with a LAC in Italian, if taken in English)
  - ITAL 315 Folklore and Legend in Northern Italy
  - MLC 340 European Romanticism

MLC 350 Introductory Linguistics  
 MLC 351 Contemporary Literary Theory  
 MLC 357 The Idea of the Renaissance: Self, History and Knowledge  
 MLC 358 Desire and Identity in the Renaissance: the Lyric Tradition  
 MLC 360 Representing the Holocaust  
 ART 310 Late Antique and Early Christian Art  
 ART 311 Medieval Byzantine Art  
 ART 315 Art of the Italian Renaissance  
 ART 316 Art in the Age of Reform  
 CLSC 302 Roman Art and Archaeology  
 HIST 203 The Roman Empire  
 HIST 225 Medieval Italy  
 HIST 227 The High Middle Ages  
 HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500  
 HIST 230 The Renaissance  
 HIST 249 Twentieth-Century Europe  
 LATN 303 Roman Epic  
 LATN 306 Roman Philosophical Literature  
 LATN 307 Catullus  
 LATN 309 Cicero  
 PLSC 344 Europe Today  
 RELG 356 Religious Thought of the Renaissance and Reformation

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

In addition to the regularly offered courses there will be others offered occasionally that may count towards an Italian studies minor. All courses outside MLC that can be taken for credit towards the minor will be announced by the section coordinator at the beginning of each registration period. Students are strongly encouraged to satisfy some of the requirements of the minor by studying abroad.

## Courses

### **ITAL 121 Intensive Elementary Italian**

Introduction to Italian language and culture; development of skills in listening, speaking, reading and writing. *2 units.*

### **ITAL 221 Intensive Intermediate Italian**

Active reinforcement and practice of listening, speaking, reading and writing, within contemporary cultural contexts. *Prerequisite:* Italian 121.

*2 units. (COM2)*

### **ITAL 301 Italian Conversation through Cinema**

Development of effective communication through viewing and discussion of contemporary films. *Prerequisite:* Italian 221 or permission of instructor. *1 unit.*

### **ITAL 305 Italian Composition, Grammar and Conversation**

Development of writing, speaking, and comprehension. Emphasis will be placed on enhancing writing skills, vocabulary expansion, pronunciation, grammatical and communicative, both written and oral, accuracy. *Prerequisite:* Italian 221 or permission of instructor. *1 unit.*

### **ITAL 315 Folklore and Legend in Northern Italy**

Comprehensive readings of numerous legends of the northernmost region of Italy, its languages (Italian, German, and Ladino), culture, geography, and history. Listening and comprehension skills alongside reading and writing will be developed in this course. *Prerequisite:* Italian 221. *1 unit.*

### **ITAL 321 Italian Literature in Context**

Introduction to Italian literature through analysis of selected works in their historical, aesthetic, sociopolitical, and other cultural contexts. *Prerequisite:* Italian 301 or 311. *1 unit.*

### **ITAL 388 Individual Internship**

Internship experiences outside of the department in fields related to Italian studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. *.5-1 unit.*

### **ITAL 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequences in Italian. The practice assistantship does not count as course credit toward the major or minor. Up to one unit can be applied toward graduation credit. *Prerequisite:* Department approval. *.25 unit.*

### **ITAL 411 Italian Identities: Sicily, Veneto and Tuscany**

Comparative investigation of Sicily, Veneto, and Tuscany through historical, literary, artistic, political,

and other cultural perspectives. *Prerequisite:* Italian 321. *1 unit.*

### **ITAL 423 Le Tre Corone: Dante, Petrarca and Boccaccio**

An exploration of Medieval Italian literature and culture, focusing on three of its most influential figures. *Prerequisite:* Italian 321. *1 unit.*

### **ITAL 453 Selected Readings in 19th and 20th Century Italian Literature and Culture**

Course topics will focus on various developments in Italian literature and culture in the 19th and 20th centuries. *Prerequisite:* Italian 321. *1 unit.*

### **ITAL 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Permission of department. *.5-1 unit.*

### **ITAL 497 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* Permission of the department. *1 unit.*

### **ITAL 498 Senior Research Project I**

Consultation with faculty mentor and selection of Italian studies topic for senior research project. *Prerequisite:* Senior standing. *0 units.*

### **ITAL 499 Senior Research Project II**

Independent research and completion of an extended paper on an Italian studies-related topic. *Prerequisite:* Senior standing. *.5 unit.*

## **JAPANESE PROGRAM**

### *Department of Modern Literatures and Cultures*

*Director of the Japanese Language Program Akira Suzuki*

*Affiliated Faculty: Steve Addiss (Art), Jane Geaney (Religion), Tze Loo (History)*

This section contains information specific to the degree program in Japanese. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

## **Study Abroad**

Study and travel abroad are strongly encouraged for all students. For students of Japanese, the department offers a summer study program in Japan. In addition, there are study abroad opportunities during the academic year in Japan. For a complete list, contact the Office of International Education.

## **The Japanese Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 units, including an approved study abroad experience and

- Four courses in Japanese at the 300 level or above
- One elective from the list below with LAC in Japanese or a 400-level course in Japanese
  - ART 226 Art and Culture of Japan
  - HIST 250 Modern East Asia 1600-1960
  - HIST 254 Modern Japan
  - HIST 255 Meiji Japan: An Emperor and the World Named for Him
  - HIST 341 History and Memory: WWII in East Asia
  - PLSC 343 Politics of Asia
  - PLSC 357 International Relations of East Asia
  - RELG 355 Selected Asian Religions

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

## **Courses**

### **JAPN 101-102 Elementary Japanese**

Basic speaking, reading, and writing (hiragana, katakana, and simple kanji) with emphasis on oral performance in class. *Prerequisite:* Japanese 101 is prerequisite to 102. *1-1 unit.*

### **JAPN 201-202 Intermediate Japanese**

Further development of skills in speaking, reading, and writing (appr. 250 kanji), continued emphasis on oral performance. *Prerequisite:* Japanese 102 or permission of department; Japanese 201 is prerequisite to 202. *1-1 unit. (202 only, COM2)*



**JAPN 301 Japanese Conversation**

Continued development of speaking, including use of idiomatic phrases and more conjunctions. Debating, presentation, and summarizing skills are taught. *Prerequisite:* Japanese 202 or permission of department. *1 unit.*

**JAPN 302 Japanese Reading**

Continued development of reading (with concentration of Joyo Kanji list) using short stories, essays, and simple reading materials. *Prerequisite:* Japanese 202 or permission of department. *1 unit.*

**JAPN 310 Japanese Culture-Programmed Activities**

Practical approach to relationship between Japanese language and culture. Emphasis on oral and written skills in weekly schedule of three to four days in local business along with three days in class. (Summer only; taught in Japan.) *Prerequisite:* Japanese 302. *1 unit.*

**JAPN 388 Individual Internship**

Internship experience outside of the department in fields related to Japanese studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Department approval. *.25-1 unit.*

**JAPN 401-402 Advanced Japanese Language, Literature and Culture**

Prepares for more advanced study of Japanese through rigorous vocabulary expansion, more sophisticated language usage patterns, and expanded work in kanji. Materials are designed to advance the student's fluency for everyday communicative tasks as well as reading skills. *Prerequisite:* Japanese 301 or permission of department. *1-1 unit.*

**JAPN 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Japanese 302. *.5-1 unit.*

**JAPN 497 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* Permission of department. *1 unit.*

**JEWISH STUDIES**

*Samuel A. Abrash, Coordinator (Chemistry)*

**The Jewish Studies Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00.

- 6 units selected from among the courses listed or taken with approval of the Jewish studies program coordinator, including
- RELG 230 The History of Israel OR RELG 260 History of Judaism
  - Five units of electives, including at least two at the 300 level or higher and no more than one from Group II (below).

A maximum of two courses may be taken at VCU's Judaic Studies Program and applied to the minor with the prior permission of the program coordinator.

**Group I: Jewish Studies Core Courses**

- ENGL 217 The Bible and Literature
- HIST 271 The Modern Middle East
- HIST 399 The Holocaust
- JWST 297 Special Topics
- JWST 388 Individual Internship in Jewish Studies
- JWST 397 Special Topics
- MLC 360 Representing the Holocaust
- RELG 201 The Bible as Literature
- RELG 230 The History of Israel
- RELG 232 Introduction to Biblical Hebrew
- RELG 260 History of Judaism
- RELG 331 The Hebrew Prophets
- RELG 332 Hebrew and Christian Wisdom Literature
- RELG 359 American Judaism

**Group II: Related Courses**

- GERM 472 Multiculturalism, Identity and Authorship in the German Context
- HIST 242 Modern Germany
- HIST 249 Twentieth-Century Europe
- LAIS 421 Arabs, Jews and Christians from Frontier to Empire
- PLSC 346 Politics of Cultural Pluralism
- RELG 241 Introduction to Early Christian Era
- RELG 242 Jesus and Christian Origins
- RELG 243 The World of the New Testament

RELG 340 Varieties of Early Christianity

Both RELG 230 and RELG 260 may be applied to the minor requirements.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

## Courses

### JWST 297 Special Topics in Jewish Studies

Special topics related to Jewish history and/or culture that contribute to the Jewish studies minor. *1 unit.*

### JWST 388 Individual Internship in Jewish Studies

Up to one unit may be applied toward the Jewish studies minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Approval by the Jewish studies coordinator. *.5-1 unit.*

### JWST 395 Independent Study in Jewish Studies

Topics independently pursued under supervision of faculty member. *Prerequisite:* Religion 230 or 260. *.5-1 unit.*

### JWST 397 Special Topics in Jewish Studies

Special topics related to Jewish history and/or culture that contribute to the Jewish studies minor. *Prerequisite:* Permission of instructor. *1 unit.*

## JOURNALISM

### Department of Journalism

*Mike Spear, Chair*

*Associate Professors Hodierne, Nash, Spear*

*Director of Public Affairs Journalism Mullen*

*Journalism professionals also are employed as adjunct faculty members.*

## The Journalism Major

**Note:** Except for pass/fail courses, a grade of not lower than C (2.0) is required in each journalism course comprising the major.

9.5 units, including

- JOUR 200 News Media and Society
- JOUR 201 News Writing and Reporting
- JOUR 204 Colloquium

- JOUR 301 Copy Editing
- JOUR 302 Public Affairs Reporting
- JOUR 303 Journalism Law, Ethics
- JOUR 304 Seminar
- JOUR 377 Practicum (two semesters)
- Two units of journalism electives

## The Journalism Minor

**Note:** Except for pass/fail courses, a grade of not lower than C (2.0) is required in each journalism course comprising the minor.

6 units, including

- JOUR 200 News Media and Society
- JOUR 201 News Writing and Reporting
- JOUR 204 Colloquium
- JOUR 301 Copy Editing
- JOUR 303 Journalism Law, Ethics
- JOUR 377 Practicum (one semester)
- One unit of journalism elective

## Courses

### JOUR 200 News Media and Society

History and development of print and electronic media. Conflicts between the free press and other social objectives. External and internal controls affecting news media and flow of information. *1 unit. (FSSA)*

### JOUR 201 News Writing and Reporting

Intensive training in basic writing and reporting skills, news values, ethical practices, and research. Includes frequent writing assignments. *Prerequisites:* Journalism 200 with a grade of C or better, Journalism 204 with a P grade, and basic typing, transcription, and grammar skills. *1 unit.*

### JOUR 202 Feature and Magazine Article Writing

Research and writing of news-feature and magazine articles. *Prerequisite:* Journalism 201 with a grade of C or better. *1 unit.*

### JOUR 204 Colloquium

Guest lectures by news media professionals. Analysis and discussion of critical issues of contemporary journalism in all media. Graded pass/fail. *.5 unit.*

**JOUR 205 Photojournalism**

Theory and practice of news and feature photography, properties of light and lenses. *Prerequisites:* Journalism 201 with a grade of C or better, an approved 35mm digital SLR camera. *1 unit.*

**JOUR 301 Copy Editing**

Improving news writing through practice in copy reading, editing and discussion of news styles, grammar, usage, page design, headline writing, picture selection, news judgment, ethics. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 302 Public Affairs Reporting**

Writing and reporting on public institutions such as police, courts, and legislative bodies. Interviewing and research using public documents. Frequent off-campus writing assignments. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 303 Journalism Law, Ethics**

Case studies of ethical conflicts encountered in reporting and editing. State and federal case and statutory law affecting news media, especially libel, privacy, free expression, and “freedom of information.” *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 304 Seminar**

Study of specialized field of reporting or writing. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 306 News Graphics**

Introduction to publication design, including history and basics of typography, newspaper design, photo editing, and infographics. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 307 Documentary Journalism I: Evolution of the Social Narrative**

Exploration of social documentaries, documentary makers, and relevant ethical, aesthetic, legal, and economic issues. Production of a brief documentary. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 308 Documentary Journalism II: Study and Practice**

Principles and practices of documentary making: research, production, organization budgeting, writing, field and technical production. Completion of one or more documentary videos. *Prerequisite:* Journalism 307. *1 unit.*

**JOUR 309 Digital News I: Multimedia Reporting and Convergence**

Specialized training and practice in news writing, reporting, and editing for electronic distribution. Exploration of how digital technology affects the gathering, production, and dissemination of news. Examines convergence, audience, research, and business and legal aspects of electronic publishing. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 310 Digital News II: Multimedia Production and Convergence**

Use of audio and video equipment for electronic newsgathering and other evolving technologies. *Prerequisite:* Journalism 309. *1 unit.*

**JOUR 311 Press and Politics**

Exploration of roles and responsibilities of the press in reporting on the U.S. political process. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *1 unit.*

**JOUR 312 Independent Study**

Enables qualified students who have completed basic requirements for major to work independently on special reporting and research projects. *Prerequisites:* Permission of department chair and instructor. *.5-1 unit.*

**JOUR 377 Practicum**

Supervised work in writing, research, or production for on-campus news media. Two semesters required for majors, one semester for minors. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *.5 unit.*

**JOUR 388 Internship**

Supervised work in writing, research, or production for on- or off-campus news media. May be repeated with the consent of the instructor. Offered for pass/fail grade only. No more than 1.5 units of internship in any one department and 3.5 units of internship

overall may be counted toward required degree units. *Prerequisites:* Journalism 204 and Journalism 200 and 201 with a grade of C or better. *.5 unit.*

## LANGUAGES ACROSS THE CURRICULUM

*Carlos Valencia, Coordinator (Latin American and Iberian Studies)*

Languages Across the Curriculum (LAC) offers quarter unit, pass/fail courses in a variety of languages. LAC sections are small discussion groups taught by a faculty member well versed in a second language or by selected international or bilingual students called LAC Assistants. All LAC sections are offered in conjunction with primary courses throughout the curriculum, including core, political science/social sciences, arts/literatures, science/health, business administration, continuing studies, and leadership. The purpose of LAC sections is to ensure that Richmond students acquire cross-cultural competency through the use of their language skills in the context of another discipline. LAC students will generally meet once a week for a roundtable discussion of assignments in the target language, accommodating the range of fluency present among the students. Some faculty might choose to provide students with the opportunity to complete research projects instead of the weekly meetings. A LAC course will not count toward a major or minor. No more than one unit of LAC credit may count toward the total number of units required for a degree.

### Courses

#### LAC 250 Spanish: Language Across the Curriculum

Students will be guided in their study and discussion of authentic Spanish materials relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in Spanish or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

#### LAC 251 French: Language Across the Curriculum

Students will be guided in their study and discussion of authentic French materials relevant to materials in

the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in French or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

#### LAC 252 Italian: Language Across the Curriculum

Students will be guided in their study and discussion of authentic Italian materials relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in Italian or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

#### LAC 253 German: Language Across the Curriculum

Students will be guided in their study and discussion of authentic German materials relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in German or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

#### LAC 254 Russian: Language Across the Curriculum

Students will be guided in their study and discussion of authentic Russian materials relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in Russian or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

#### LAC 255 Chinese: Language Across the Curriculum

Students will be guided in their study and discussion of authentic Chinese materials relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in Chinese or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

**LAC 256 Japanese: Language Across the Curriculum**

Students will be guided in their study and discussion of authentic Japanese materials relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* COM2 proficiency in Japanese or permission of instructor and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

**LAC 257 Language Across the Curriculum: Other**

Students will be guided in their study and discussion of authentic materials in another language relevant to materials in the primary course. Pass/fail grade only. *Prerequisites:* Permission of department and registration in the course to which the LAC section is connected or having taken the primary course in the past. Some exceptions might be made. *.25 unit.*

**LAC 388 LAC Internship**

Selected LAC assistants lead Languages Across the Curriculum sections of courses in various languages. Internship credit does not count toward a major or minor in the language. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisites:* Registration in the course to which the LAC section is connected or having taken the primary course in the past, selection by LAC faculty coordinator and approval of the primary course instructor. *.25 unit.*

**LATIN****Department of Classical Studies**

*Dean W. Simpson, Chair*

*Associate Professors Laskaris, Simpson, Stevenson*

*Assistant Professors Baughan, Folch*

**The Latin Major**

**Note:** A grade of not less than C- (1.70) is required in all coursework comprising the Latin major.

10 units, including

- Two units selected from
  - CLSC 302 Roman Art and Archaeology
  - CLSC 305 Greek and Roman Values or
  - CLSC 306 The Classical Tradition

HIST 222 Hellenistic Greece and Republican Rome OR HIST 223 The Roman Empire

- LATN 498 Major Seminar
- Seven units Latin electives

**Note:** A minimum of two years of Greek is recommended for students intending to pursue graduate study.

**The Latin Minor**

**Note:** A grade of not less than C- (1.70) is required in all coursework comprising the Latin minor.

Six units of Latin, with at least two units at the 300 or 400 level.

**Related Majors**

Combined major in Latin and English

**Courses****LATN 101-102 Elementary Latin**

Introduction to Latin language and Roman culture. *Prerequisite:* Latin 101 is prerequisite to 102. *1-1 unit.*

**LATN 201-202 Intermediate Latin**

Continued study of Latin language and Roman culture plus selected readings. *Prerequisite:* Latin 102 or the permission of department. Latin 201 is prerequisite to 202. *1-1 unit. (202 only, COM2)*

**LATN 301 Plautus**

Study of Roman comedy using Latin texts, videotapes, and live performance. *Prerequisite:* Latin 202 or permission of department. *1 unit. (FSVP)*

**LATN 302 Ovid**

Mythic traditions of Greco-Roman culture. *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 303 Roman Epic**

Special emphasis on Vergil's "Aeneid." *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 304 Roman Historiography**

Emphasis on Livy and Tacitus. *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 305 Horace**

The lyric poetry. *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 306 Roman Philosophical Literature**

Special emphasis on Lucretius' "De Rerum Natura" or Cicero's "Tusculan Disputations." *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 307 Catullus**

Literary analysis of selected readings. *Prerequisite:* Latin 202 or permission of department. *1 unit. (FSLT)*

**LATN 308 The Novel**

Latin novels of Petronius and Apuleius. *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 309 Cicero**

Theory and history of Roman oratory. *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 398 Selected Topics**

Topics or themes in Roman literature. *Prerequisite:* Latin 202 or permission of department. *1 unit.*

**LATN 411 The Teaching of High School Latin**

Theory and practice of teaching Latin. Designed to enable teachers to meet state licensure requirements. *Prerequisite:* Latin 202 or permission of department. *.5 unit.*

**LATN 498 Major Seminar**

Required of all majors. Methodologies appropriate to Latin studies and the writing of a research paper. *Prerequisite:* Permission of department. *1 unit.*

**LATN 499 Independent Study**

Content suited to the requirements and interests of student, chosen by student and faculty director in advance of the semester in which the independent study is to be done. *Prerequisite:* Permission of department. *.5-1 unit.*

## LATIN AMERICAN AND IBERIAN STUDIES

*Department of Latin American and Iberian Studies*

*Sharon G. Feldman, Chair*

*Associate Professors Feldman, Ferman, Hermida-Ruiz  
Assistant Professors Abreu, Middlebrooks, Otero-Blanco  
Director of Technology, LAIS Valencia  
Director of Intensive Language Program in Spanish  
Peebles*

*Assistant Director of Intensive Language Program in  
Spanish Simpson  
Director of Outreach Program Lawrence  
Director of Multi-Media Language Laboratory  
Scinicariello*

## The Latin American and Iberian Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9.5 units, including

- Two units chosen from
  - LAIS 301-306 (content-based language courses emphasizing speaking, reading, and writing)
- One unit chosen from
  - LAIS 311 Perspectives on Peoples and Cultures of Spain
  - LAIS 312 Perspectives on Peoples and Cultures of Latin America
- One unit chosen from
  - LAIS 321 Literary Spain
  - LAIS 331 Introduction to Spanish American Literature I
  - LAIS 332 Introduction to Spanish American Literature II
- Three units chosen from the 400-level seminars in literature and culture
- Two electives chosen from LAIS classes above 310
- LAIS 496 Senior Symposium

Additional requirements for majors

- For students studying abroad for a semester or year, at least one 400-level LAIS seminar must be taken upon return to the University of Richmond
- A maximum of four non-University of Richmond courses can be transferred toward the LAIS major
- All LAIS majors need to have completed previously at least two 300-level LAIS courses in order to transfer credit from a study abroad program

## The Latin American and Iberian Studies Major/International Business Option

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9.5 units, in addition to completing all requirements of the international business concentration for the business administration major, including

- Two units chosen from
  - LAIS 301-306 (content-based language courses emphasizing speaking, reading and writing)
- One unit chosen from
  - LAIS 321 Literary Spain
  - LAIS 331 Introduction to Spanish American Literature I
  - LAIS 332 Introduction to Spanish American Literature II
- Two units at the 400 level, taken upon return from study abroad
- One semester in Latin America or Spain at an approved institution with an all-Spanish curriculum in business
- LAIS 496 Senior Symposium

The Latin American and Iberian studies major/international business option represents a joint project between the Department of Latin American and Iberian Studies in the School of Arts and Sciences and the International Business Program in the Robins School of Business. The curriculum includes a semester abroad at one of the University's partner institutions (for example, Universidad Torcuato Di Tella in Argentina, Universidad de Deusto in Spain, or Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico). At such institutions, students will continue their Robins School concentrations in classes with both local and other international students.

In order to prepare for the experience abroad, students in LAIS will have a solid base of 300-level courses taken on the Richmond campus. Upon return they will broaden their knowledge of literary and cultural studies through advanced seminars as well as continue their Robins School coursework.

## The Latin American and Iberian Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 units, including

- Two units chosen from
  - LAIS 301-306 (content-based language courses emphasizing speaking, reading and writing)
- One unit chosen from
  - LAIS 311 Perspectives on Peoples and Cultures of Spain
  - LAIS 312 Perspectives on Peoples and Cultures of Latin America
- One unit chosen from
  - LAIS 321 Literary Spain
  - LAIS 331 Introduction to Spanish American Literature I
  - LAIS 332 Introduction to Spanish American Literature II
- One elective chosen from LAIS classes above 310

All LAIS minors need to have previously completed at least two LAIS courses at the 300 level at the University of Richmond in order to transfer credit from a study abroad program.

## LAIS Curriculum for Students with Advanced or Superior Proficiency in Spanish

The following curriculum is designed for students entering the University with advanced or superior proficiency in Spanish. This includes native speakers, heritage speakers and students who have acquired competency through residence in a Spanish-speaking country. Determination of student placement in the above categories is made by the Spanish faculty.

Students who demonstrate advanced or superior proficiency and who are pursuing a major or minor in Latin American and Iberian studies must begin the program above LAIS 310 for a major or minor. The language requirement for the major and minor is thus waived; however, the total number of units required remains 9.5. In order to qualify for this program, students should apply to the LAIS office before registering for courses.

Students who demonstrate advanced or superior proficiency and wish to take LAIS courses as electives

(without pursuing a major or minor) must follow the same criteria.

## Note about Portuguese

LAIS 390, Portuguese for Spanish Speakers, is an accelerated language course aimed at students already fluent in Spanish (either heritage speakers or students who have completed at least one 400-level LAIS course). LAIS 391, Luso-Brazilian Readings, is a follow-up course to develop reading skills. Both Portuguese courses may be taken for elective credit toward the LAIS major. Contact Professor Dixon Abreu if interested.

## Related Fields

- International Studies: Latin American Studies
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy

## Study Abroad

Study abroad is strongly encouraged for all students. The department offers summer study programs in Argentina and Spain. In addition, there are exchange agreements for study during the academic year in Argentina, Chile, Mexico and Spain. For a complete list, contact the Office of International Education.

## Outreach Program

The LAIS Outreach Program at the University of Richmond builds bridges with the Hispanic community, giving students the opportunity to enrich their cultural experience and use their language skills. Students participating in this program may work a minimum of 20 hours per semester for an additional .25 units of credit (up to .5 units of credit).

## Courses

### LAIS 121 Intensive Elementary Spanish

For students with no prior experience studying the Spanish language. Stresses development of skills in speaking, listening, reading, and writing in a fast-paced environment which includes an introduction to the cultures of the Spanish-speaking world. Taught in Spanish, with two additional weekly practice sessions. *2 units.*

### LAIS 151 Accelerated Elementary Spanish

Advanced beginner's course is designed for students who need a review of elementary Spanish before continuing on to Spanish 221. The course will concentrate on the fundamentals of the Spanish grammar system as applied to the skills of speaking, listening, reading, and writing. Taught in Spanish, with two additional weekly practice sessions. *Prerequisite:* At least two years of high school Spanish. *1 unit.*

### LAIS 221 Intensive Intermediate Spanish

Stresses further development of language production and reception skills through expanded creative activities including class discussions, written compositions, and in-class presentations. The cultural component includes readings, films, and Web-based authentic materials from the Spanish-speaking world. Taught in Spanish, with two additional weekly practice sessions. *Prerequisite:* Latin American and Iberian Studies 121 or 151 or permission of department. *2 units. (COM2)*

### LAIS 301 Spanish in the Community

Development of aural, oral, and written communication skills through the study of the Latin American immigrant experience. In addition to the classroom study of Hispanic immigrant literature, newspapers, and films, students will participate in an outreach project in the local Hispanic community. Note: The service-learning component may also be undertaken independently. Contact the department for more information. *Prerequisite:* Latin American and Iberian Studies 221. *1 unit.*

### LAIS 302 Spanish through Literature

Development of aural, oral, and written communication skills through literary texts of the Hispanic world. Students will read poems, short stories, plays, and short novels and interpret them through class discussions and regular writing assignments. This is not an FSLT course. *Prerequisite:* Latin American and Iberian Studies 221. *1 unit.*

### LAIS 303 Spanish in the Media

Development of aural, oral, and written communication skills through a focus on mass media in Spanish and Latin American culture. Spanish will be taught through direct contact with newspapers, journals, TV programming, and films. Students are expected to participate actively in class debates and presenta-



tions, complete written assignments on a regular basis, and view all programs and films assigned by the instructor. *Prerequisite:* Latin American and Iberian Studies 221. *1 unit.*

### **LAIS 304 Spanish at Play**

Development of aural, oral, and written communication skills through the study and performance of contemporary plays from Latin America. Special attention will be given to the discussion of the social, cultural, historical, and political aspects of the texts studied, as well as their genre-specific characteristics. *Prerequisite:* Latin American and Iberian Studies 221. *1 unit.*

### **LAIS 305 Spanish in Politics and Society**

Development of aural, oral, and written communication skills through the study and discussion of current events and issues in the Spanish-speaking world. *Prerequisite:* Latin American and Iberian Studies 221. *1 unit.*

### **LAIS 306 Spanish in Business**

Development of aural, oral, and written communication skills relative to commercial documents and transactions commonly used in the Hispanic world. Practice in writing based on materials needed for conducting business in Spanish. *Prerequisite:* Latin American and Iberian Studies 221. *1 unit.*

### **LAIS 311 Perspectives on Peoples and Cultures of Spain**

Study of society, arts, history, and ideas of Spain. *Prerequisites:* Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306. *1 unit.*

### **LAIS 312 Perspectives on Cultures and Nations of Latin America**

Study of society, arts, history, and ideas of Latin America. *Prerequisites:* Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306. *1 unit.*

### **LAIS 321 Literary Spain: Poetry, Drama, Fiction**

Introduction to literary analysis within the cultural context of Spain. Critical tools for approaching specific literary genres: short story, novel, poetry, and drama. Readings are selected for their literary, cultural, and historical significance. *Prerequisites:* Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306. *1 unit. (FSLT)*

### **LAIS 331-332 Introduction to Spanish-American Literature, I-II**

Introduction to Spanish-American literature and critical literary analysis. Focus on primary texts dating from the 15th through 19th centuries (331); 20th century (332). *Prerequisites:* Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306. *1-1 unit. (FSLT)*

### **LAIS 385 Spanish Writing Workshop**

Analysis of grammatical structure of Spanish. Writing practice. *Prerequisites:* Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306. *1 unit.*

### **LAIS 388 Individual Internship**

Not to be counted as credit toward the major or minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Admission by audition/permission of department. *.25-1 unit.*

### **LAIS 390 Portuguese for Spanish Speakers**

Accelerated introduction to Brazilian Portuguese language and culture for students already proficient in Spanish. Focus on developing listening, speaking, reading, and writing skills through the study of grammar and selected readings. *Prerequisite:* One Latin American and Iberian Studies course at the 400 level. *1 unit.*

### **LAIS 391 Contemporary Luso-Brazilian Readings**

Introduction to the literary and cultural productions of the seven Portuguese-speaking countries through the analysis of selected texts. A writing component is designed to strengthen and develop students' Portuguese skills. Conducted in Portuguese. *Prerequisite:* Latin American and Iberian Studies 390. *1 unit.*

### **LAIS 397 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* Permission of department. *1 unit.*

### **LAIS 421 Arabs, Jews and Christians from Frontier to Empire: Medieval Spanish Literature**

Analysis of the interaction between Christians, Jews, and Muslims in the Spanish Peninsula from the establishment of Al-Andalus to the consolidation of the Spanish Empire. An analysis of this cultural period

in light of the attention given (or not given) to it in contemporary historiography, either as an exemplary moment of religious tolerance or “convivencia,” or as early proof of what is now called “the clash of civilizations” or “clash of cultures.” *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 431 Imperial Spain: The Age of Conflict**

Study of literary responses to the new constitution of Spain as Empire and new definitions of Spanish identity. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 432 True Lies: Fiction and Truth in Don Quijote**

Study of Cervantes' successful formula for the novel. Analyzes conflict between fiction and truth as basis for new realist novel proposed by Cervantes. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 451 Literature of Exile**

Study of Spanish exile literature and multiple constructions of the exilic imagination in relation to Spanish cultural and political history. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 452 Spanish-American Poetic Texts**

Study of the communicative power of poetic language with special emphasis given to identification of basic tools for interpreting poetic texts in relation to individual and general contexts. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 455 Barcelona: Text and City**

The cultural, intellectual, and urban history of the city of Barcelona from the mid 19th century to the present, with special attention to how the city is portrayed in literature and other works of art. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 462 Visions of Contemporary Spain**

Study of the cultures of contemporary Spain since the transition to democracy with special attention given to literature, film, theatre, art, popular culture, and mass media. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 463 Modern Spanish Narrative**

Study of representative narrative texts from the 19th to the 21st century. Emphasis on the technical and thematic innovations of the novel and short story as well as the social and historical contexts that have shaped literary production. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 464 Modern Theatre in Spain**

Study of written dramatic texts and performance traditions from Spain. Selections may include works from the 18th century to the present. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 465 Spanish Cinema**

Study of significant Spanish films with special attention to their relationship to politics, culture, society, and history. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 471 Latin American Cinema**

Study of prominent examples of Latin American film production with special attention paid to aesthetic aspects of cinematographic language and cultural questions embodied in the films examined. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 472 Contemporary Spanish-American Theater**

Study of leading contemporary theatrical movements in Spanish America with focus on universal aspects of language of theater and uniqueness of Spanish-American themes and trends. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

#### **LAIS 474 Contemporary Writing in Latin America: Sex, Drugs and Rock 'n' Roll**

An interdisciplinary approach to the study of the literary movements currently taking place in Latin America. Special attention devoted to the literature published during the last decade of the 20th century as a defining period in which new trends become consolidated. Covers the entire region, focusing on works published in the Southern Cone, Colombia, Central America, Mexico, and Cuba. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 475 Women and Writing in Latin America**

Question of representation and self-representation of women in selected Spanish-American texts. Attention given to recently developed theories relevant to women's writing and concerns. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 477 Literature of the Spanish-Speaking Caribbean**

Study of texts representative of multiple ethnic and cultural influences (indigenous, European, and African) at play in the Caribbean basin. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 484 The Latin American Essay**

Examines the cultural history of Latin America and the construction of its intellectual traditions through the study of the essay. Special attention given to the definition of the genre within Spanish-American literature and its role in public debates from colonial to contemporary Latin America. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 485 Spanish-American Narrative**

Study of representative Spanish-American novels and/or short stories from the 19th, 20th, and 21st centuries. Attention given to technical aspects of literary narrative as well as cultural contexts. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 486 U.S. Latino/a Literature**

Comprehensive study of Hispanic-Americans' struggle for identity in light of their historical, ethnic, economic, and cultural positions in the United States. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 487 Latin America: Encounter and Conflict**

Thematic study of representative Spanish-American texts, focusing on the search for identity and confrontation occurring between different societies, systems of thought, and cultures. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAIS 495 Independent Study**

Special research projects individually pursued under supervision of faculty member. Project proposal must be fully developed in conjunction with a faculty

member prior to presentation for department approval. *Prerequisite:* Permission of department. *.25-1 unit.*

**LAIS 496 Senior Symposium**

Presentation at the Latin American and Iberian Studies Spring Symposium of research project carried out within the context of an LAIS seminar. Offered in spring semester only. *Prerequisite:* Senior standing. *.5 unit.*

**LAIS 497 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* Latin American and Iberian Studies 321, 331, or 332. *1 unit.*

**LAW AND THE LIBERAL ARTS**

*Nancy Schaubert, Coordinator (Philosophy)*

Law and the liberal arts is an interdisciplinary minor that consists of courses from across the curriculum. The courses that count toward the minor are those that are generally recommended by law schools for students thinking about going to law school. The purpose of the courses within the minor is to prepare one to think critically and analytically as a well-rounded liberal artist. The courses are divided into eight areas: law, American history, economics, ethics, legal system, logical reasoning, public speaking and debate, and writing.

**The Law and the Liberal Arts Minor**

**Note:** Students must receive a C (2.0) or above for these courses to count toward the minor. No course taken for less than .5 units will count towards the minor.

6 units, including

- One unit in Area 1
- Five units from at least five of the remaining areas

No more than three of the courses to be applied toward the minor may be from any one department.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

**Area 1: Law**

CJ 320 Fundamentals of Criminal Law  
ECON 231 Law and Economics  
PHIL 260 Philosophical Problems in Law and Society  
PHIL 364 Philosophy of Law  
PLSC 331 Constitutional Law  
PLSC 333 Civil Rights and Civil Liberties  
PLSC 352 International Law  
WGSS 302 Women and the Law  
PLSC 379 Selected Topics (appropriate when the subject relates primarily to law and the course is approved by the law and the liberal arts advisory council)

**Area 2: American History**

HIST 120 U.S. to 1877  
HIST 121 U.S. Since 1877  
PLSC 336 American Constitutional History

**Area 3: Economics**

ECON 101 Principles of Microeconomics  
ECON 102 Principles of Macroeconomics  
ECON 105 Introduction to Global Economics

**Area 4: Ethics**

LDST 205 Justice and Civil Society  
PHIL 220 Contemporary Moral Issues  
PHIL 360 Ethics  
RELG 267 Varieties of Christian Ethics  
BUAD 392 Ethical, Social and Legal Responsibilities

**Area 5: Legal System**

CJ 321 Fundamentals of Criminal Procedure  
PLSC 337 Legal System  
SOC 207 Crime and Justice in a Post-Modern Society  
SOC 324 Law and Society

**Area 6: Logical Reasoning**

CMSC 150 Introduction to Computing  
CMSC 155 Introduction to Scientific Computing  
LDST 250 Critical Thinking (.5 units)  
MATH 250 Fundamentals of Abstract Mathematics  
PHIL 251 Elementary Symbolic Logic

**Area 7: Public Speaking and Debate**

RHCS 101 Rhetoric and Public Address  
RHCS 201 Argumentation and Debate

RHCS 325 Medieval to Modern Rhetorics  
RHCS 332 Practicum/Debate (.25-1 unit)  
RHCS 343 Rhetoric and Politics  
PLSC 290 Mock Trial (.5 units)

**Area 8: Writing**

ENGL 382 Topics in Advanced Composition  
ENGL 383 Introduction to Composition Theory and Pedagogy

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**LIBRARY INFORMATION SKILLS**

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*Taught by University Librarians*

Students must complete two Library and Information Skills Workshops, Library 100 and 101, during their first year. Students who have not satisfactorily completed the courses by the end of their third semester of enrollment will have an administrative hold put on their record and will not be able to register until they have made arrangements to take the class(es).

**Courses****LIB 100 Library/Information Skills I**

Library 100 provides an introduction to University library resources, including the library's Web site, the library catalog, and full-text periodical databases. Students are responsible for enrolling in Library 100 for the fall of their first year of enrollment.

(The library requirement carries no credit, but is billed at a tuition rate equivalent to .25 units of credit for the cost of instruction.) *0 units.*

**LIB 101 Library/Information Skills II**

Library 101 builds on Library 100 with emphasis on issues related to academic integrity, such as documenting sources, evaluating information for reliability, and accurately representing the meaning of a cited source. Students are responsible for enrolling in Library 101 for the spring of their first year of enrollment.

(The library requirement carries no credit, but is billed at a tuition rate equivalent to .25 units of credit for the cost of instruction.) *0 units.*

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**MATH**

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*Department of Mathematics and Computer Science*

*B. Lewis Barnett III Chair*

*Professors Charlesworth, Davis, J. Hubbard, Nall, Ross*  
*Associate Professors Barnett, Caudill, Fenster, Greenfield,*  
*K. Hoke, Kerckhove, Lawson, Owen, Szajda*  
*Assistant Professors Shaw, Trapp*  
*Director of Computer Science Laboratories A. Hubbard*  
*Director of Developmental Mathematics H. Hoke*

## The Math Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no mathematics course grade below C- (1.7). Students are strongly advised to consult with faculty in planning their major curriculum.

### For either the Bachelor of Arts or Bachelor of Science degree:

- MATH 211 or 231 Calculus I
- MATH 212 or 232 Calculus II
- MATH 235 Multivariate Calculus
- MATH 245 Linear Algebra
- MATH 250 Fundamentals of Abstract Mathematics
- MATH 306 Abstract Algebra I
- MATH 320 Real Analysis I
- Two units, chosen from
  - MATH 307 Abstract Algebra II
  - MATH 321 Real Analysis II
  - MATH 324 Continuous Mathematical Models
  - MATH 330 Mathematical Statistics
  - MATH 331 Complex Analysis
  - MATH 336 Operations Research
- Two additional units of 300-level mathematics courses
- CMSC 150 or 155 Introduction to Computing

### And for the Bachelor of Science degree:

Four other units in computer science with at least two at the 300 level, or two units beyond the introductory level in one of the following fields: physics (200 level or above), chemistry (200 level or above), or biology (numbered higher than 205).

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

**Note:** Students are strongly advised to complete either MATH 306 or 320 prior to the senior year.

## The Math Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no mathematics course grade below C- (1.7). Students are strongly advised to consult with faculty in planning their minor curriculum.

6 units, including

- MATH 211 or 231 Calculus I
- MATH 212 or 232 Calculus II
- MATH 235 Multivariate Calculus
- MATH 245 Linear Algebra
- Two units at the 300 level

## Actuarial Sciences

Students interested in becoming an actuary should consider either majoring in mathematics or mathematical economics. Either of these options will provide the necessary education that can lead to successful entry into the field. A strong background in mathematics is essential for students interested in a career as an actuary. This should include

- Three semesters of calculus (MATH 211, 212, and 235),
- One semester of linear algebra (MATH 245), and
- Two semesters of calculus-based probability and statistics (MATH 329 and 330).
- In addition, courses in applied statistics, computer science, economics, and finance are also extremely valuable.

The best way to ensure that you are attractive from an employment perspective is to pass the beginning actuarial examinations while you are still a student. Actuaries achieve professional status by passing a set of examinations and by satisfying certain educational experiences that are prescribed by the CAS and the SOA. The concepts contained in these assessments can be based on college courses (a B- or better is required), or an exam can be taken. For more information about preparing to be an actuary, contact Dr. Jason Owen in the Department of Mathematics and Computer Science.

## Related Fields

Mathematical Economics

## Courses

### **MATH 102 Problem Solving Using Finite Mathematics**

Topics to demonstrate power of mathematical reasoning. Course has two components: (1) introduction to sets and symbolic logic (the fundamentals of proving results) and (2) the application of these fundamentals to at least one particular area of mathematics. The area is dependent on the instructor. *1 unit. (FSSR)*

### **MATH 103 An Introduction to Simulation (The Mathematics of Waiting in Line)**

Introduction to fundamentals of abstracting practical situations involving waiting lines (e.g., supermarket lines, assembly lines, emergency rooms, computer networks) into mathematical models. Abstracted models will be simulated using computer software to obtain approximate solutions. Introduction to statistical analysis of data is also included. *1 unit. (FSSR)*

### **MATH 104 Symmetry in Tilings and Patterns**

Introduction to symmetry and its use in the generation and classification of geometric patterns. *1 unit. (FSSR)*

### **MATH 119 Statistics for Social and Life Sciences**

Introduction to statistical methods with some applications in the social and life sciences. Topics include descriptive statistics, graphical methods, estimation, hypothesis testing, regression, correlation, and the analysis of categorical data. The proper use of statistical computing software like SPSS will be emphasized. NOTE: Credit cannot be received for both Mathematics 119 and either Psychology 200 or Business Administration 301. *1 unit.*

### **MATH 195 Special Topics**

Special topics satisfying neither major nor minor requirements. *.25-1 unit.*

### **MATH 211 Calculus I**

Limits, continuity, derivatives, and integrals. Derivatives of trigonometric, exponential, logarithmic, and inverse trigonometric functions; applications to curve sketching; applications to the physical, life, and social sciences; Mean Value Theorem and its applications; Fundamental Theorem of Calculus. *Prerequisite:* High school precalculus. *1 unit. (FSSR)*

### **MATH 212 Calculus II**

Techniques of integration; applications of integration; improper integrals; Taylor's Theorem and applications; infinite series; differential equations. Credit will not be given for both Mathematics 212 and 231. *Prerequisite:* Mathematics 211 or one year of high school AP calculus. *1 unit. (FSSR)*

### **MATH 219 Introduction to the Design of Experiments**

The basic theory and principles related to the design of modern scientific experiments. Topics include: analysis of variance (ANOVA) for experiments with a single factor, multiple comparisons of treatment means, factorial experiments, blocking, randomized block designs, Latin square designs, random effects models, analysis of covariance, nested models, and other topics. *Prerequisite:* Either Mathematics 119, Psychology 200, Chemistry 300, Business Administration 301, or Mathematics 330. *1 unit.*

### **MATH 231 Scientific Calculus I**

Topics of calculus — limits, derivatives, integration — from the perspective of mathematical modeling in the natural sciences. Includes trigonometric, exponential, and logarithmic functions; techniques of integration; error analysis; differentiation of functions of two or more variables. Credit will not be given for both Mathematics 212 and 231. *Prerequisite:* Mathematics 211. *1 unit. (FSSR)*

### **MATH 232 Scientific Calculus II**

Continuation of Mathematics 231. Taylor polynomial approximations; discrete and continuous probability; models of dynamical systems via difference equations, differential equations, and systems of linear difference equations, including relevant topics from linear algebra. *Prerequisite:* Mathematics 231. *1 unit. (FSSR)*

### **MATH 235 Multivariate Calculus**

N-dimensional Euclidean space, functions of several variables, partial derivatives, multiple integrals, line and surface integrals, classical integral theorems, applications. *Prerequisite:* Mathematics 212 or 232. *1 unit. (FSSR)*

### **MATH 245 Linear Algebra**

Vector spaces, matrices, systems of linear equations, linear transformations, applications. *Prerequisite:*

Mathematics 212 or 232 or Computer Science 222. *1 unit.*

### **MATH 250 Fundamentals of Abstract Mathematics**

Logic, quantifiers, negations of statements with quantifiers, set theory, induction, counting principles, relations and functions, cardinality. Emphasis on methods of proof and proper mathematical expression. *Prerequisite:* Mathematics 212 or 232. *1 unit.*

### **MATH 306-307 Abstract Algebra I and II**

Systematic study of the theory of groups, rings and fields. *Prerequisites:* Mathematics 245 and 250. Mathematics 306 is prerequisite to 307. *1-1 unit.*

### **MATH 310 Advanced Multivariable Calculus**

Differentiation of vector-valued functions, Jacobians, integration theorems in several variables. Fourier series, partial differential equations. *Prerequisite:* Mathematics 235. *1 unit.*

### **MATH 312 Differential Equations**

Introduction to ordinary differential equations and their use as models of physical systems. Linear and nonlinear equations and systems of equations, including existence and uniqueness theorems, analytical solution techniques, numerical methods, and qualitative analysis. Includes studies of global behavior and local stability analysis of solutions of nonlinear autonomous systems; bifurcation analysis; Laplace transforms. Application and modeling of real phenomena included throughout. *Prerequisite:* Mathematics 212 or 232. *Corequisite:* Mathematics 245. *1 unit.*

### **MATH 315 Modern Geometry**

Geometry of surfaces in 3-dimensional space, including lengths, areas, angles, curvature, and topology. Classification of Euclidean isometries. Classification of compact surfaces having constant Gaussian curvature. *Prerequisites:* Mathematics 235 and 245. *1 unit.*

### **MATH 320-321 Real Analysis I and II**

Topological properties of the real line and Euclidean space. Convergence, continuity, differentiation, integration properties of real-valued functions of real variables. *Prerequisites:* Mathematics 235 and 250. Mathematics 320 is prerequisite to 321. *1-1 unit.*

### **MATH 323 Discrete Mathematical Models**

Applications of discrete mathematics from two viewpoints: how mathematical models are used to solve problems from other fields and how problems from other fields stimulate the development of new mathematics. Probabilistic models are emphasized. Examples of problems include analysis of board games, elections, and DNA. *Prerequisite:* Mathematics 245. *1 unit.*

### **MATH 324 Continuous Mathematical Models**

Continuous models in modern applications. Primary focus on practical understanding of the modeling process, with goals of developing individual modeling skills and ability to critically read modeling reports in scholarly journals. Mathematical topics include ordinary differential and partial differential equations. *Prerequisite:* Mathematics 312. *1 unit.*

### **MATH 328 Numerical Analysis**

Analysis and implementation of algorithms used in applied mathematics, including root finding, interpolation, approximation of functions, integration, solutions to systems of linear equations. (Same as Computer Science 328.) *Prerequisites:* Mathematics 212 or 232, Mathematics 245, and Computer Science 150 or 155. *1 unit.*

### **MATH 329 Probability**

Introduction to the theory, methods, and applications of randomness and random processes. Probability concepts, independence, random variables, expectation, discrete and continuous probability distributions, moment-generating functions, simulation, joint and conditional probability distributions, sampling theory, laws of large numbers, limit theorems. *Prerequisite:* Mathematics 235. *Corequisite:* Mathematics 245. *1 unit.*

### **MATH 330 Mathematical Statistics**

Introduction to basic principles and procedures for statistical estimation and model fitting. Parameter estimation, likelihood methods, unbiasedness, sufficiency, confidence regions, Bayesian inference, significance testing, likelihood ratio tests, linear models, methods for categorical data, resampling methods. *Prerequisite:* Mathematics 329. *1 unit.*

### **MATH 331 Complex Analysis**

Introduction to the calculus of functions of a single complex variable, including series, calculus of resi-

duces, and conformal mapping. *Prerequisite:* Mathematics 310 or Physics 301. *1 unit.*

### **MATH 336 Operations Research**

Linear and integer programming: algorithms, complexity, sensitivity, and duality. Applications such as assignments, networks, scheduling. *Prerequisite:* Mathematics 323. *1 unit.*

### **MATH 340 Directed Independent Study**

For well-qualified students who wish to work independently in areas not included in curriculum. Proposal must be approved by departmental committee. *Prerequisites:* Permission of department chair and instructor. *.25-1 unit.*

### **MATH 350 Coding Theory**

Error-correcting codes are used to ensure reliable electronic communication in everything from compact disc players to deep-space transmission. Topics include linear codes, design theory, cyclic codes, counting arguments for nonexistence, decoding algorithms. *Prerequisite:* Mathematics 245 or permission of instructor. *1 unit.*

### **MATH 355 Cryptography**

History and development of “secret codes” with applications to electronic commerce, diplomatic and military communication and computer security. Emphasis on mathematical structures underlying classical, arithmetic, algebraic, mechanical, electronic, and public-key cryptosystems. *Prerequisites:* Mathematics 245 and either Mathematics 250 or Computer Science 222 or permission of instructor. *1 unit.*

### **MATH 395 Special Topics**

Selected topics in mathematics. *Prerequisite:* Varies with topic. *.5-1 unit.*

## **MATHEMATICAL ECONOMICS**

*Jason Owen, Mathematics Program Coordinator*

*Andrew Yates, Economics Program Coordinator*

The mathematical economics (MATH-ECON) major includes courses taught by faculty in both the mathematics and economics departments. Faculty members, graduate students, and recent Ph.D.s ranked analytical skills and mathematics as the most

important skills necessary for success in the graduate study of economics. The MATH-ECON major is designed to develop those skills. Additionally, the combined major provides a stronger, more coordinated curriculum for students who would otherwise major in economics or business and minor in mathematics. The MATH-ECON major is available as a Bachelor of Science degree.

## **The Mathematical Economics Major**

**Note:** A grade point average of C (2.00) is required in the major, with no course grade below a C- (1.70) in courses counting towards the major.

16 units, including

- MATH 211 or 231 Calculus I
- MATH 212 or 232 Calculus II
- MATH 235 Multivariate Calculus
- MATH 245 Linear Algebra
- MATH 329 Probability
- MATH 330 Mathematical Statistics
- CMSC 150 Introduction to Computing or CMSC 155 Introduction to Scientific Computing
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 271 Microeconomic Theory
- ECON 272 Macroeconomic Theory
- ECON 340 Econometrics
- ECON 341 Mathematical Economics
- MTEC 400 Capstone in Mathematical Economics
- One unit chosen from
  - MATH 310 Advanced Multivariate Calculus
  - MATH 312 Differential Equations
  - MATH 320 Real Analysis I
  - MATH 323 Discrete Mathematical Models
  - MATH 328 Numerical Analysis
  - MATH 395 Special Topics
- One unit chosen from
  - ECON 300 Industrial Organization and Public Policy
  - ECON 310 International Trade and Finance
  - ECON 330 Environmental and Resource Economic Theory
  - ECON 331 Labor Economics
  - ECON 332 Public Economics
  - ECON 360 Selected Economic Topics

Students are expected to fulfill all prerequisites neces-



sary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## Honors Program

In order to be eligible, students must have met the following qualifications:

- Completion of at least 18 units of coursework, not including courses in which the student is currently enrolled
- Overall GPA of 3.3 or higher
- Completion of at least four units within the major, excluding courses primarily for first-year students (MATH 211, 212, 231, 232; ECON 101, 102), with a cumulative GPA in all such courses of at least 3.3

The student will select a willing faculty member to serve as lead advisor for the project. Together they find a second faculty member to serve as consultant. One faculty member should be from economics and one from mathematics.

The student and lead advisor will plan the student's honors program. The student and advisor will plan four units of coursework in support of the honors topic. Two of these units will be MATH 340 Directed Independent Study or ECON 490-491 Honors Seminar/Research, depending on the department of the lead advisor. These courses are used to prepare the honors thesis. The remaining two units will be selected from the regular curriculum with an additional honors component; one unit will be from upper-level economics and one unit from upper-level mathematics. These courses will be chosen with an eye towards maximizing the student's ability to produce a quality honors thesis.

A completed honors thesis will be read and approved by a committee of at least three readers, including the lead and consulting advisors, and will be presented to the faculty in both departments.

## Course

**MTEC 400 Capstone in Mathematical Economics** Seminar that focuses on an area of advanced mathematics with broad economic applications. Students will independently explore the area through readings from both the mathematical and economic literatures. *Prerequisites:* Economics 271, Mathematics 330 and senior standing. *1 unit.*

## MEDICAL HUMANITIES

*John Vaughan, Coordinator (Biology)*

The medical humanities minor complements the science-intensive pre-health curriculum by providing future healthcare practitioners with a solid foundation in the interpersonal, cultural, bioethical, legal, economic, business, and political facets of medicine. In physician-led courses, particular emphasis will be placed on the physician-patient relationship. By combining a mastery of the sciences with the development of medical humanity skills, students will be well-equipped to become effective healthcare providers.

### The Medical Humanities Minor

Five units, including

- IDST 200 The Medical Humanities
- LDST 377 Ethical Decision Making in Healthcare
- RHCS 102 Interpersonal Communication
- PLSC 365 U.S. Healthcare Policy and Politics
- One course, chosen from
  - CLSC 210 A History of Early Medicine
  - ECON 260 Health Economics
  - PHIL 220 Contemporary Moral Issues
  - PLSC 379 Mental Health and Politics
  - PSYC 331 Behavioral Neuroscience
  - or another approved elective

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

## MILITARY SCIENCE AND LEADERSHIP

*Richard D. Gillem Jr., Lieutenant Colonel, U.S.*

*Army, Chair*

*Professor Gillem*

*Associate Professors Jankowski, Hodgkins*

*Assistant Professor Bryant*

The objective of the military science and leadership program is to provide the leadership and management foundation required for military service as a commissioned officer or in a civilian counterpart position. In support of this objective the program includes classroom instruction and activities geared to the development of leadership skills.

Military science and leadership classes may be taken by all University students. Class enrollment in the military leadership classes carries no U.S. Army commitment and there is no obligation to enroll for successive course offerings. College and/or commissioning credit may be awarded for prior military service, attendance at the ROTC Leader's Training Course, or Junior ROTC participation. International students desiring to attend military science and leadership classes must have written approval from their respective embassies prior to taking classes.

## Courses

### MSCL 101 Foundations of Officership

Introduces students to fundamental components of service as an officer in the United States Army. These initial lessons form building blocks of progressive lessons in values, fitness, leadership, and officership. Additionally, the program of instruction addresses "life skills" including fitness, communications theory and practice (written and oral), and interpersonal relationships. *Prerequisite:* First- or second-year class standing or permission of department chair. *.5 unit.*

### MSCL 102 Introduction to Leadership

Introduction to "life skills" of problem solving, decision making, and leadership designed to help students in the near term as leaders on campus. Also will help students be more effective leaders and managers in the long term, whether they serve in the military or as leaders in civilian life. This course is designed to introduce the student to fundamental officer skills such as map reading, land navigation, tactics, and leadership values/actions. Using these basic skills, students will build a rudimentary understanding of the core competencies necessary to become an Army officer and leader. *Prerequisite:* First- or second-year class standing or permission of department chair. *.5 unit.*

### MSCL 201 Innovative Team Leadership

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing, and assessing team exercises, and participating in leadership labs. The focus continues to build on developing knowledge of

the leadership values and attributes through understanding Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics. Case studies will provide a tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the contemporary operating environment. *Prerequisites:* Military Science and Leadership 101 and 102 or permission of department chair. *.5 unit.*

### MSCL 202 Foundations of Tactical Leadership

Examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). Highlights dimensions of terrain analysis, patrolling, and operations orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Provides a smooth transition to MSCL 301. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. *Prerequisite:* Military Science and Leadership 201 or permission of department chair. *.5 unit.*

### MSCL 204 Leader's Training Course

An intensive 28-day training experience for college students unable to meet the basic course requirements (MSCL 100- and 200-level courses) on campus. Leader's Training Course is the Army's two-year ROTC Program entry point. Through the Leader's Training Course, students without ROTC experience can qualify for Advanced Course (MSCL 300- and 400-level course) entry. The Army observes these students and determines their officer potential in a leadership-oriented, challenging, and motivating 28-day training program. The camp philosophy is based on an action-oriented training plan. Emphasis is hands on, outdoor training with rapid, constructive feedback to the cadet. Above all else, Leader's Training Course is a leadership experience. The training program is designed to inspire students to become outstanding leaders with a sound understanding of traditional leadership values. At the Leader's Training Course, students are trained to lead and develop their officer leadership potential. *Prerequisites:* Enrollment in the ROTC program, military service obligation and permission of department chair. *1 unit.*

**MSCL 301 Adaptive Team Leadership**

Cadets study, practice, and evaluate adaptive team leadership skills as they prepare for the demands of the mandatory 32-day ROTC Leader Development and Assessment Course (LDAC) at Fort Lewis, Wash. Challenging scenarios related to small-unit tactical operations are used to develop self awareness and critical thinking skills. The cadet will receive systematic and specific feedback on leadership abilities. *Prerequisite:* Military Science and Leadership 202, 204, or permission of department chair. *1 unit.*

**MSCL 302 Leadership in Changing Environments**

Instruction and case studies that build upon leadership competencies and military skills attained in Military Science and Leadership 301 prepare students for future responsibilities as Army officers. Specific instruction is given in individual leader development, planning and execution of small-unit operations, individual and team development, and the Army as a career choice. Prepares cadets for the mandatory 32-day Leader Development and Assessment Course at Fort Lewis, Wash. *Prerequisite:* Military Science and Leadership 301 or permission of department chair. *1 unit.*

**MSCL 390 Independent Study**

Instruction, case studies, and book analysis that build upon leadership competencies and military skills attained in earlier Military Science and Leadership courses. Online instruction and assignments mirror the syllabus for a student's normal pre-commissioning course progression. This course is available for sophomores, fall semester juniors, and senior cadets. This course is taught by the professor of military science. *Prerequisites:* Two semesters of military science and permission of department chair. *1 unit.*

**MSCL 401 Developing Adaptive Leaders**

Develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets are given situational and leadership opportunities to assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare them to make the transition to becoming Army officers. Students will lead cadets at lower levels. Both classroom and battalion leadership experiences are designed to prepare them for their first military unit

of assignment. Identify responsibilities of key staff members, coordinate staff roles amongst six separate universities and colleges that make up the ROTC battalion, and use battalion field/garrison situations to teach, train, and develop subordinates. *Prerequisite:* Military Science and Leadership 302 or permission of department chair. *1 unit.*

**MSCL 402 Leadership in a Complex World**

Continues to develop student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Students examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Also explores aspects of interacting with non government organizations, civilians on the battlefield, and host-nation support. Students are given situational and leadership opportunities to assess risk, make ethical decisions, and lead fellow ROTC cadets. Designed to prepare for first military unit of assignment. Students will identify responsibilities of key staff members, coordinate staff roles amongst six separate universities and colleges that make up the ROTC battalion, and use battalion field/garrison situations to teach, train, and develop subordinates. The course uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare students to face the complex ethical and practical demands of leading as a commissioned officer in the United States Army. *Prerequisite:* Military Science and Leadership 302 or permission of department chair. *1 unit.*

**MODERN LITERATURES AND CULTURES*****Department of Modern Literatures and Cultures***

*Kathrin Bower, Chair*

*Professors Bonfiglio, Ravaux-Kirkpatrick*

*Associate Professors Bower, Howell, Kapanga, Troncale*

*Assistant Professors Delers, Pappas, Radi*

*Director of the Arabic and German Language*

*Programs Sulzer-Reichel*

*Director of the Chinese Language Program Tan*

*Director of the Intensive Language Program in French*  
Baker

*Director of the Intensive Language Program in Italian*  
Marcin

*Director of the Japanese Language Program* Suzuki

*Director of the Multi-Media Language Laboratory*  
Scinicariello

## Modern Literatures and Cultures Majors

### French

#### French Major/International Business Option

(To be carried out in conjunction with a major in the Robins School of Business with an international business concentration.)

### German Studies

#### German Studies Major/International Business Option

(To be carried out in conjunction with a major in the Robins School of Business with an international business concentration.)

### Italian Studies

#### Italian Studies/International Business Option

(To be carried out in conjunction with a major in the Robins School of Business with an international business concentration.)

### Russian Studies

*(Note: The Latin American and Iberian Studies major is available through the Department of Latin American and Iberian Studies.)*

## Related Majors

Combined major in English and French literature

Combined major in English and German literature

Combined major in English and Russian literature

International Studies: Africa

International Studies: Asia

International Studies: Latin America

International Studies: Modern Europe

International Studies: World Politics and Diplomacy

## Modern Literatures and Cultures Minors

Chinese

French

German Studies

Italian Studies

Japanese

Russian Studies

## Related Fields

Arabic

*For full course listings in Arabic, Chinese, French, German, Italian, Japanese, and Russian, see the individual program pages.*

## Study Abroad

Study and travel abroad are strongly encouraged for all students. The department offers summer study programs in China, the Czech Republic, France, Germany, Italy, Japan, Jordan, and Russia. In addition, there are exchange agreements for study during the academic year in Austria, France, Germany, Italy, Japan, Quebec, and Russia; others are being negotiated. For a complete list, contact the Office of International Education.

## The Residency Requirement

For all MLC majors, at least 5.5 units of the 9.5 units required for the major must be taken on the University of Richmond campus. If the student participates in a study abroad program, at least one upper-level course in the major must be taken upon return from the program.

## Modern Literatures and Cultures (MLC)

All courses under modern literatures and cultures are taught in English and have no prerequisite, except as noted. Approved MLC courses may be counted as elective credit toward a French, German studies, Italian studies or Russian studies major if taken in conjunction with a Languages Across the Curriculum (LAC) component (.25 units).

## Administration

### Placement

A student who desires to continue study of a language begun elsewhere or spoken as a first language will be placed for continuation by the Department of Modern Literatures and Cultures. The determination of level may be by the score received on the AP, IB or SATII test in a given language; by the evaluation of a

required placement test; or, in special cases, by interview. Students who meet the language communication skills requirement by placement may not take for credit 100- or 200-level courses in the same language.

### **Sequential Credit**

Once the 100 or 200 level is begun, continuation, if any, must be to the next higher level within the sequence of courses. Students cannot receive credit toward the degree for 100- or 200-level coursework which is taken after credit has been earned in coursework more advanced in the sequence.

### **Medium of Instruction**

All courses taught in the department are taught in the respective language with the exception of the courses listed in the modern literatures and cultures category.

## **Courses**

### **MLC 235 Special Topics in Japanese Film**

Discussion and analysis of Japanese films with emphasis on understanding the cultural and historical aspects of Japan through cinematic representations. *Prerequisite:* Japanese 102. *1 unit.*

### **MLC 256 Psychoanalysis, Literature and Culture**

General introduction to use of psychoanalytic techniques to analyze literature and culture. Readings from Freud and post-Freudian theorists used to interpret variety of literary texts, as well as films, ads, and other examples from popular culture. *1 unit. (FSLT)*

### **MLC 260 Nature, Nurture, Neurons: Science and Society in 20th Century East European Literature**

Selected readings in 20th-century Czech and Polish literature. Analysis of primary texts (in translation) focuses on the representation of both science and socialism as powerful ideological forces. *Prerequisite:* English 103. *1 unit. (FSLT)*

### **MLC 321 Introduction to Nineteenth-Century Russian Literature**

Introduction to Russian literature and critical literary analysis. Pushkin, Gogol, Dostoevsky, Tolstoy, Chekhov, and others. *1 unit. (FSLT)*

### **MLC 322 Introduction to Twentieth-Century and Contemporary Russian Literature**

Introduction to Russian literature and critical literary analysis. Includes Modernism, Soviet Socialist Realism, and contemporary Russian fiction. *1 unit. (FSLT)*

### **MLC 331 Russian Cinema**

General introduction to Russian cinema focusing on the significant portion of Russian cinema within the context of European and world cinemas. Emphasizes historical and theoretical contributions of Russian cinema and traces development of cinema in Russia from Protazanov and Eisentein to Tarkovsky, Todorovsky, Mikhalkov, and Sokurov. Different variants of the course that would appear in alternate years will have variety of topical foci such as Russian and European cinema, World War II, ideology and art in film, Soviet social realism, literature and cinema, Shakespeare in Russian cinema, the auteur in Russian cinema, Russian female directors, the female image in Russian cinema, Stalin and Lenin in film, etc. *1 unit.*

### **MLC 332 Conscience and Consciousness in 19th Century Russian Painting**

Survey and analytical study of significant periods of Russian painting, focusing on interconnections between philosophy, literature, spirituality, and ideology in Russian painting during various historical periods and developments in Russian culture and intellectual history. *1 unit. (FSHT)*

### **MLC 335 Bolsheviks, Bombs and Ballet: Soviet Culture and Civilization**

Survey of intellectual and scientific life, artistic movements, and popular culture under communism in the Soviet Union. Interdisciplinary focus on the arts, music, science, and literature with attention to complicated relations between official and private culture. *1 unit. (FSHT)*

### **MLC 340 European Romanticism**

Comparative study of the major international currents in European romanticism, drawing from the literary traditions of England, France, Germany, Italy, and Russia. *1 unit. (FSLT)*

**MLC 350 Introductory Linguistics**

General, historical and/or descriptive linguistics. *Prerequisite:* Completion of Communication Skills II-Language requirement. *1 unit.*

**MLC 351 Contemporary Literary Theory**

A broad survey of literary theory, with textual applications, and including structuralism, Marxism, post-structuralism, feminism, psychoanalysis, and new historicism. *1 unit. (FSLT)*

**MLC 357 The Idea of the Renaissance: Self, History and Knowledge**

A comparative and interdisciplinary investigation of the period in European history known as the Renaissance through the lens of some of its most well-known and compelling works. *1 unit.*

**MLC 358 Desire and Identity in the Renaissance: The Lyric Tradition**

A comparative investigation of Italian, French, and English Renaissance lyric poetry. (Same as English 309.) *1 unit. (FSLT)*

**MLC 360 Representing the Holocaust**

Critical analyses of visual and textual representations of the Holocaust in an international context. The course raises questions about the limits and meaning of Holocaust representations as well as their ideological and moral implications. *Prerequisite:* English 103. *1 unit.*

**MLC 365 German Film in Context**

Survey of German cinema from the 1930s to the present emphasizing the historical and cultural context in which the films were produced. *Prerequisite:* Sophomore standing. *1 unit. (FSLT)*

**MLC 388 Individual Internship**

Internship experiences outside of the department in fields related to MLC programs. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. *.5-1 unit.*

**MLC 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequences outside of the regularly-taught program languages. The practice assistantship does not count as credit toward

the major or minor. Up to one unit can be applied toward graduation credit. *Prerequisite:* Permission of department. *.25 unit.*

**MLC 397 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* Permission of department. *1 unit.*

**MLC 410 The Teaching of a Modern Second Language**

Theory and practice of teaching modern second language, including English as second language, at the K-12 levels. Designed to enable teachers to meet state licensure requirements. *Prerequisites:* For MLC: Completion of a modern literatures and cultures minor or the equivalent, or permission of department. For education minors seeking licensure in Spanish that requires MLC 410: the completion of a Latin American and Iberian Studies minor, the equivalent, or permission of the Latin American and Iberian studies department. *1 unit.*

**MLC 411 Teaching Japanese as a Second Language**

Analyze Japanese syntax and develop skills for teaching Japanese. Taught in English. *Prerequisite:* Japanese 202. *1 unit.*

**MLC 497 Selected Topics**

Experimental and special interest topics offered at department's discretion. *1 unit.*

**MLC 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Permission of department. *.5-1 unit.*

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**MUSIC**

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**Department of Music**

*Gene Anderson, Chair*

*Professors Anderson, Davison*

*Associate Professors Becker, Broening, Cable, Riehl*

*Assistant Professors Longobardi, McGraw*

*Artist-in-Residence eighth blackbird*

*Director of Accompaniment Kong*

*Director of the Modlin Center for the Arts Panoff*

*Music Librarian Fairtile*

*Piano Technician Breakall*

*Over 30 adjunct music faculty members teach applied music lessons. Adjuncts are professional musicians including principals of the Richmond Symphony.*

Information for prospective majors: All prospective music majors must audition on voice or their primary instrument before beginning private lessons and pass a full-faculty expanded jury after four semesters of applied study.

## The Music Major

**Note:** A grade of C- (1.7) or better is required in all coursework comprising the music major.

12 units, including

- MUS 095 each semester of enrollment (0 units)
- Music Theory, three units including
  - MUS 110 Tonal Harmony I: Common Practice Period
  - MUS 211 Tonal Harmony II: Chromaticism
  - MUS 212 Analytical Approaches to Contemporary Music
- Critical Studies, three units including
  - MUS 227 Critical Studies in Music History I
  - MUS 228 Critical Studies in Music History II
  - MUS 229 Critical Studies in Ethnomusicology
- One unit of contemporary or non-Western music
- Two units of electives at the 200-level or above, excluding MUS 338
- Two units (four semesters) of applied music study
- One unit (four semesters) of ensemble participation

**Note:** At least one semester of ensemble must be in a non-Western ensemble and no more than two semesters may be in the same ensemble.

## The Music Minor

**Note:** A grade of C- (1.7) or better is required in all coursework comprising of the minor.

6.5 units, including

- MUS 095 each semester of enrollment (0 units)
- Music Theory, two units including
  - MUS 110 Tonal Harmony I: Common Practice Period
  - One additional theory course
- Critical Studies, two units including
  - MUS 227 Critical Studies in Music History I

MUS 228 Critical Studies in Music History II  
Or another 200-level course or above in place of 227 or 228

- One unit (2 semesters) of applied music study
- .5 units (2 semesters) of ensemble participation
- One elective at the 200 level or above, excluding ensembles, applied courses, or MUS 388

## Honors Program

The music honors program recognizes the most distinguished majors, who complete an advanced course of study, culminating in an honors thesis. Successful applicants will be assigned an advisor to guide their work and monitor their progress. Students should declare their intention to seek honors and meet with the honors coordinator in their sophomore year. Students must have completed 18 or more units of course work and at least four or more units in music (excluding prerequisites) with an overall grade point of at least 3.3 or above. Honors candidates must be recommended by at least one full-time member of the Department of Music. Application for departmental honors must include (1) a one-page letter from the student describing how the program requirements will be met, (2) a letter of recommendation from a full-time faculty member of the music department, (3) the student's transcript, and (4) a writing sample consisting of a paper written in a music course. Applications must be submitted to the department chair by November 1 (March 1 for the spring term applicant) of the junior year, approved by the music faculty and submitted to the arts and sciences honors committee by November 15 (March 15 for the spring term applicant). To earn departmental honors, students must complete 3.5 units of honors course work, including MUS 400, MUS 401/402, and two honors independent study courses or two standard elective courses with special work above and beyond the norm. Units earned from MUS 400, 401, and 402 are in addition to the 12 units required for the music major. Honors students are to maintain a grade point average of at least 3.3 while participating in the program.

## Related Concentrations

Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors

## Curriculum

### Critical Studies Courses

- MUS 101 Introduction to Music Literature
- MUS 112 Topics in Music Literature
- MUS 116 The Music Scene
- MUS 122 America's Music
- MUS 124 Asian Music and Globalization
- MUS 201 Documents of Music History
- MUS 203 Global Hip Hop
- MUS 204 Choral Music and Creed
- MUS 209 Music and Society
- MUS 227 Critical Studies in Music History I
- MUS 228 Critical Studies in Music History II
- MUS 229 Critical Studies in Ethnomusicology
- MUS 230 Music and Culture: Introduction to World Music
- MUS 233 Creating Original Opera
- MUS 301 Music Research Methods
- MUS 338 Special Topics in Music History
- MUS 339 Passion and Pleasure: Study of Secular Voice Music, 1600 to Present
- MUS 342 Musical Ethnography
- MUS 343 The Mass from Plainchant to Pärt
- MUS 344 Opera Studies

### Music Theory Courses

- MUS 107 Music Fundamentals
- MUS 109 Elementary Musicianship
- MUS 110 Tonal Harmony I: Common Practice Period
- MUS 211 Tonal Harmony II: Chromaticism
- MUS 212 Analytic Approaches to Contemporary Music
- MUS 306 Introduction to Composition
- MUS 307 Composition
- MUS 308 Tonal Counterpoint
- MUS 309 Orchestration
- MUS 311 Form and Analysis
- MUS 338 Special Topics

### Performance Study Courses

- MUS 130 Class Guitar
- MUS 131 Class Piano
- MUS 132 Class Voice
- MUS 205 English and Italian Diction for Singers and Accompanists
- MUS 206 German and French Diction for Singers and Accompanists

- MUS 207 Musical Theatre and Opera Scene Workshop
- MUS 231 Conducting Fundamentals
- MUS 232 Conducting Techniques
- MUS 350 Student Recital

## Courses

### MUS 095 Repertoire Class

Attendance and performance at weekly repertoire class. May be repeated. Graded Satisfactory/Unsatisfactory. *Prerequisite:* Music major or minor. *0 units.*

### MUS 101 Music in Sound and Score:

#### Introduction to Music Repertoires

Introduces students to a wide variety of musical works through scores and recordings — and thus through listening, score reading, and discussion. Students will encounter unique repertoires based largely on the areas of specialty of the music faculty. Learn to distinguish between different performances, to read a score in some detail, to utilize a distinct vocabulary for discussion, and to engage in sight singing and rhythmic exercises that will bring the scores to life. *Prerequisite:* Music 109 or permission of instructor. *1 unit. (FSVP)*

### MUS 107 Music Fundamentals

For students with little or no previous training in theory or piano. Practical understanding of intervals, scales, keys, chord structures, and rhythm, using keyboard and sight-singing as vehicles of instruction. Does not count toward music major. *1 unit. (FSVP)*

### MUS 109 Elementary Musicianship

Proficiency-based study of sight singing, ear training, rhythm reading, and other essential musicianship skills for majors, minors, and advanced non majors. A prerequisite for all theory study. May be satisfied by examination. *.5 unit.*

### MUS 110 Tonal Harmony I: Common Practice Period

Entry-level music theory course. Study and application of harmonic practice in Western music of 17th and 18th centuries by means of original compositions and analysis of selected literature. Continuation of musicianship exercises from Music 109. *Prerequisites:* Music 109 and permission of instructor. *1 unit.*



**MUS 112 Topics in Music Literature**

Special topics for general study. May be repeated for credit when topics vary. *1 unit. (FSVP)*

**MUS 115 The Jazz Tradition**

For general student. Survey of cultural history of jazz; jazz styles from 1917 to present; and evolution of jazz from African music, music of slavery, ragtime, and blues. Includes concert attendance and performance project. *1 unit. (FSVP)*

**MUS 116 Music Scenes**

Sections are designed each semester around on- and off-campus concerts. Students consider historical, social, and cultural issues particular to each concert and interact with visiting artists and University of Richmond's ensemble in residence, eighth blackbird. *1 unit. (FSVP)*

**MUS 117 Salsa Meets Jazz**

For general student. Traces influx of Latin-American music into North American jazz. Connects music and dances of Cuba, Puerto Rico, Argentina, and Brazil to their subsequent synthesis in jazz. *1 unit. (FSVP)*

**MUS 118 The Life and Music of Duke Ellington**

For general student. Musician and bandleader Edward Kennedy Ellington was one of the most prolific American composers of the 20th century. Examines his life and considers aspects of his unique contribution to jazz history. *1 unit. (FSVP)*

**MUS 119 Broadway Musical Theatre**

(See Theatre Arts 119.) *1 unit. (FSVP)*

**MUS 120 The Music and Poetry of Jazz**

For general student. Exploration of form, rhythm, and sound of jazz and its impact upon poets who respond to jazz in all its musical and cultural overtones. Music includes range of jazz from early blues to free jazz and experimental music. *1 unit. (FSVP)*

**MUS 121 Music in Film**

For general student. Study of interaction of music and visual image in Hollywood film; emphasis on nature of musical meaning, music and association, and music as a cultural code. *1 unit. (FSVP)*

**MUS 122 America's Music**

Topically-based survey of America's music from that of Native Americans and European colonists to the diversity of the contemporary music scene. *1 unit. (FSVP)*

**MUS 123 Meaning and Music**

For general student. Explores aspects of meaning as it pertains to the musical arts. Considers such issues of emotion and music, expectations of the listener, music and representation, and composer/performer intentions. *1 unit. (FSVP)*

**MUS 124 Asian Music and Globalization**

Uses the social and cultural history of select Asian regions, as well as diasporic Asian communities in America, as a lens through which contemporary processes of globalization (and regionalization, localization, and globalization) can be investigated. *1 unit. (FSVP)*

**MUS 125 Indonesian Theater and Music**

This course will be a highly interdisciplinary introduction into the rich and complexly interconnected traditions of theater and music from the island nation of Indonesia. Students will study the history and form of various traditions and partake in numerous hands-on workshops involving traditional shadow theater, comedy, dance, and gamelan orchestral music. *1 unit. (FSVP)*

**MUS 126 Side by Side with Sondheim**

For general student. Focuses on Broadway musicals of Stephen Sondheim. Provides basic background in music theory and listening skills and culminates with performances of scenes from Sondheim's works by class members. *1 unit. (FSVP)*

**MUS 130 Class Guitar**

Introduction to guitar through folk music. *.5 unit.*

**MUS 131 Class Piano**

For beginning piano student. Introduction to elements of music via the keyboard. *.5 unit.*

**MUS 132 Class Voice**

For the beginning voice student. Introduction to the basic elements of vocal technique through the study of body and breath control, vocal exercises, beginning repertoire, and performance experience. *.5 unit.*

**MUS 201 Documents of Music History**

Introduction to primary sources (manuscript and printed scores, composers' writings, and concert reviews) used in music study and research. By focusing on the recurring themes of creation, dissemination, and consumption of musical works, students will learn to apply these resources to fundamental questions about music in a variety of historical periods. *Prerequisite:* Music 101. .5 unit.

**MUS 203 Global Hip Hop**

Uses the music of hip hop as a foundation upon which we will ask the theoretical and historical questions regarding the political, social, and sonic dimensions of global popular culture. 1 unit.

**MUS 204 Choral Music and Creed**

Major religious and cultural trends in the history of the West approached through selected choral masterworks by considering the sources and cultural functions of the texts, the philosophical outlook of the composer, and the ways the available musical resources of the period were used. (Same as Religion 204.) 1 unit. (FSVP)

**MUS 205 English and Italian Diction for Singers and Accompanists**

Study of the International Phonetic Alphabet (IPA) with application to the English and Italian languages. Preparation and performance of works in each language using IPA. *Prerequisite:* Current enrollment in applied study in voice or piano. .5 unit.

**MUS 206 German and French Diction for Singers and Accompanists**

Study of the International Phonetic Alphabet (IPA) with application to the German and French languages. Preparation and performance of works in each language using IPA. *Prerequisite:* Current enrollment in applied study in voice or piano. .5 unit.

**MUS 207 Musical Theatre and Opera Scene Workshop**

Study of stage techniques for the singer applied to various scenes from operatic and musical theater repertoire resulting in staged performance by class members. May be repeated for credit. *Prerequisite:* Current enrollment in applied voice instruction or permission of instructor. .5 unit.

**MUS 209 Music and Society**

Explores effects of social, economic, and political structures on composition, performance, and listening of music. Topics include autonomous music and aesthetic ideology, the role of the composer in several historical periods, and new modes of listening developed in response to electronic dissemination of music. *Prerequisite:* Any 100-level music course, experience in music ensemble or permission of instructor. 1 unit.

**MUS 211 Tonal Harmony II: Chromaticism**

Continuation of MUS 110. Study and application of harmonic practice in Western music of the 18th and 19th centuries by means of original compositions and analysis of selected literature. Continuation of musicianship exercises from Music 109. *Prerequisite:* Music 110. 1 unit.

**MUS 212 Analytic Approaches to Contemporary Music**

Study and application of harmonic practice in Western music of the 20th and 21st centuries by means of original compositions and analysis of selected literature. Continuation of musicianship exercises from Music 211. *Prerequisite:* Music 211. 1 unit.

**MUS 213 Any Sound You Can Imagine: Recording, Transforming and Organizing Sound**

Introduces students to the techniques, tools, aesthetic ideas, and traditions of organizing sound in meaningful ways using computers. Students will learn recording techniques, principles of digital audio, and techniques of audio transformation and organization in the service of producing several original brief compositions. In addition, students will study relevant readings and pieces drawn from the electronica, electroacoustic, and experimental repertoires. 1 unit.

**MUS 214 Jazz Arranging**

Comprehensive study of evolution of jazz arranging and composition from 1920s to present. Score analysis of representative works by Sammy Nestico, Thad Jones, Bob Brookmeyer, and others. Extensive listening. Students will arrange for small and large jazz ensembles. *Prerequisite:* Music 110. 1 unit.

**MUS 215 Jazz Theory and Harmony**

Development of theoretical and harmonic skills which bridge tonal and chromatic approaches.

Students will work to develop ability to assess and modify harmonic schemes with the goal of systematic growth and increased individuality in their jazz compositions. Extensive listening. *Prerequisite:* Music 110. *1 unit.*

### **MUS 216 Jazz Performance and Analysis**

Performance and analysis of original jazz works and transcriptions. Discussion, demonstration, and performance of advanced jazz improvisational techniques. Transcribe and study transcriptions of jazz masters and engage in critical analysis of great printed and recorded improvised jazz solos. *Prerequisites:* Music 110 and permission of instructor. *1 unit.*

### **MUS 227 Critical Studies in Music History I**

First in a series of three courses devoted to exploration of significant topics, issues, methodologies, and theories applicable to historical and ethnographic music studies. Taught principally through examination of the core repertoire of Western art music. *Prerequisite:* Music 109 or permission of instructor. *1 unit.*

### **MUS 228 Critical Studies in Music History II**

Second in series of three courses devoted to exploration of significant topics, issues, methodologies, and theories applicable to historical and ethnographic music studies. Taught principally through the examination of the core repertoire of Western art music. *Prerequisite:* Music 227 or permission of instructor. *1 unit.*

### **MUS 229 Critical Studies of Ethnomusicology**

Third in series of courses devoted to the exploration of significant topics and issues, methodologies, and theories applicable to historical and ethnographic music studies. Taught through examination of a broad cross selection of musical styles, genres, and traditions. *Prerequisite:* Music 228 or permission of instructor. *1 unit.*

### **MUS 230 Music in Culture: Introduction to World Music**

Introduction to ethnomusicology and the study of music as a human activity. Explores ways different people create music, communicate about music, consume and transmit music, and use music to create meaning. Topics may include traditional (folk), popular, and cultivated musics around the world, including North America. Includes participation in and observation of music events. *1 unit. (FSVP)*

### **MUS 231 Conducting Fundamentals**

Essentials of instrumental and choral conducting. Rehearsal techniques and practical experience in directing musical groups. *Prerequisite:* Music 109 or permission of instructor. *1 unit.*

### **MUS 232 Conducting Techniques**

Study and practical application of advanced conducting techniques such as score study and analysis, choral and instrumental rehearsal procedures, and recitative and performance practice issues. *Prerequisite:* Music 231 or permission of instructor. *1 unit.*

### **MUS 233 Creating Original Opera**

A forum in which students of varied interests and majors come together to produce an original opera in partnership with the Metropolitan Opera. Students will apply for one of 12 jobs that parallel the division of labor in a real opera company — production manager, stage manager, historian, carpenter, electrician, set designer, costume designer, make-up artist, librettist, composer, performer or public relations — and will work together to create a signed integrated production. *1 unit. (FSVP)*

### **MUS 305 Introduction to Music Education**

Basic principles, purposes, and philosophies of music education. Overview of each level (elementary, middle school, senior high) including directed observations. Participation in weekly seminars, reviewing current music education methods and materials. *Prerequisite:* Music 109 or permission of instructor. *1 unit.*

### **MUS 306 Introduction to Composition**

Introduction of materials and techniques of acoustic composition through readings, listening assignments, composition exercises, and performances. *Prerequisite:* Music 110 or permission of instructor. *.5 unit.*

### **MUS 307 Composition**

Directed projects in various styles for traditional and/or electronic media. May be repeated for credit. *Prerequisite:* Music 306 or permission of instructor. *.5 unit.*

### **MUS 308 Tonal Counterpoint**

Study and application of tonal counterpoint. Written musical exercises include original compositions and written commentary on excerpts from tonal literature. *Prerequisite:* Music 110 or permission of instructor. *1 unit.*

**MUS 309 Orchestration**

Study of orchestration, instrumentation, and arranging for classical and contemporary groups. *Prerequisite:* Music 211 or permission of instructor. *1 unit.*

**MUS 310 Managing Performing Arts Organizations**

Review of topics essential for successful management of performing arts organizations. Includes organizational structure, budget development and management, strategic planning, marketing, audience development, box-office management, and related topics. (Same as Theatre 310.) *Prerequisite:* Major or minor in music, theatre or dance or permission of instructor. *1 unit.*

**MUS 311 Form and Analysis**

Study of principles of organization in music with emphasis on European music since the Renaissance. Reading and analysis of scores exemplifying various musical forms. *Prerequisite:* Music 211 or permission of instructor. *1 unit.*

**MUS 313 Advanced Computer Music**

Continuation of Music 213. Exploration of audio computer systems, including digital recording and mixing devices. Creation and transcription of music for computer-controlled performance. *Prerequisite:* Music 213 or permission of instructor. *1 unit.*

**MUS 338 Special Topics in Music History, Theory or Music Education**

Selected topics such as musical genre, works of specific composers, or techniques of teaching and learning music. May be repeated for credit when topics vary. *Prerequisites:* Music 109 and 227 or 228 or permission of instructor. *1 unit.*

**MUS 339 Passion and Pleasure: Study of Secular Vocal Music, 1600 to present**

Study of use of text in popular secular vocal music, beginning in 1600 and ending with the popular music of our time. Areas of concentration include solo song, solo cantata, opera, blues, funk, and rock. *Prerequisite:* Music 227 or 228 or permission of instructor. *1 unit.*

**MUS 342 Musical Ethnography: Politics and Practices**

Intended for music and anthropology students who have an interest in developing a critical understanding of the ethnographic process as it relates to the study of musical performance. *Prerequisite:* Music 109 or Anthropology 101 or permission of instructor. *1 unit.*

**MUS 343 The Mass from Plainchant to Pärt**

Study of representative musical settings of the Mass from Middle Ages to present day; emphasis on tensions between artistic expression and liturgical function. *Prerequisite:* Music 227 or 228 or permission of instructor. *1 unit.*

**MUS 344 Opera Studies**

Explores significant topics and issues in the study of opera through variety of approaches and methodologies; opera's connections to other disciplines, histories, and contexts will be emphasized. *Prerequisite:* Music 109 or permission of instructor. *1 unit.*

**MUS 345 Philanthropy in the Arts**

Survey of strategies, tools and techniques involved in generating contributed income for arts organizations from private individuals, foundations, corporations, business, and government agencies. Central issues include underlying psychological and practical bases of fundraising in the arts and exposure to research and methods involved in developing donor prospects. Fundraising techniques, including direct mail, telemarketing, grant writing, personal appeals, major gift solicitation, special events, capital campaigns, endowment campaigns, sponsorships, and planned giving. (Same as Art 345 and Theatre 345.) *Prerequisite:* Music 310, Art 322, or permission of instructor. *1 unit.*

**MUS 350 Student Recital**

Preparation and performance of a solo recital by students in applied study or composition. *Prerequisite:* Current enrollment in applied study or composition or permission of instructor. *.5 unit.*

**MUS 388 Individual Internship**

No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. *.5-1 unit.*

**MUS 395 Independent Study**

*Prerequisite:* Department approval. .5 unit.

**MUS 400 Honors Seminar**

Seminar on topics in critical studies, music performance, music theory, or composition for honors students selected by the instructor and those enrolled. *Prerequisite:* Acceptance in department honors program. .5 unit.

**MUS 401-402 Honors Thesis/Project**

Guided research and preparation for honors thesis or project in critical studies, music performance, music theory, or composition. *Prerequisite:* Acceptance in department honors program. .5-.5 unit.

**MUS 413 Special Topics in Computer Music**

Special topics in computer music such as interactive computer music and computer music programming with emphasis on using technology to realize compositional objectives. May be repeated for credit when topics vary. *Prerequisite:* Music 213 or permission of instructor. 1 unit.

## APPLIED MUSIC COURSES

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*Department of Music*

**Note:** Individual instruction courses, MSAP 060-082, require an additional fee per course. Fee for 2008-2009 is \$450. Individual instruction courses MSAP 162-182 do not require a fee but students must pass an audition or obtain departmental permission before enrolling.

**Courses**

MSAP 060 Voice, 0 units.  
 MSAP 061 Piano, 0 units.  
 MSAP 062 Organ, 0 units.  
 MSAP 063 Guitar, 0 units.  
 MSAP 064 Flute, 0 units.  
 MSAP 065 Oboe, 0 units.  
 MSAP 066 Clarinet, 0 units.  
 MSAP 067 Saxophone, 0 units.  
 MSAP 068 Bassoon, 0 units.  
 MSAP 069 French Horn, 0 units.  
 MSAP 070 Trumpet, 0 units.  
 MSAP 071 Trombone/Baritone, 0 units.  
 MSAP 072 Tuba, 0 units.  
 MSAP 073 Percussion, 0 units.  
 MSAP 074 Violin, 0 units.

MSAP 075 Viola, 0 units.  
 MSAP 076 Cello, 0 units.  
 MSAP 077 String Bass/Electric Bass, 0 units.  
 MSAP 078 Harp, 0 units.  
 MSAP 079 Banjo, 0 units.  
 MSAP 080 Mandolin, 0 units.  
 MSAP 081 Harpsichord, 0 units.  
 MSAP 082 Miscellaneous Instruments, 0 units.  
 MSAP 160 Voice, .5 unit.  
 MSAP 161 Piano, .5 unit.  
 MSAP 162 Organ, .5 unit.  
 MSAP 163 Guitar, .5 unit.  
 MSAP 164 Flute, .5 unit.  
 MSAP 165 Oboe, .5 unit.  
 MSAP 166 Clarinet, .5 unit.  
 MSAP 167 Saxophone, .5 unit.  
 MSAP 168 Bassoon, .5 unit.  
 MSAP 169 French Horn, .5 unit.  
 MSAP 170 Trumpet, .5 unit.  
 MSAP 171 Trombone/Baritone, .5 unit.  
 MSAP 172 Tuba, .5 unit.  
 MSAP 173 Percussion, .5 unit.  
 MSAP 174 Violin, .5 unit.  
 MSAP 175 Viola, .5 unit.  
 MSAP 176 Cello, .5 unit.  
 MSAP 177 String Bass/Electric Bass, .5 unit.  
 MSAP 178 Harp, .5 unit.  
 MSAP 179 Banjo, .5 unit.  
 MSAP 180 Mandolin, .5 unit.  
 MSAP 181 Harpsichord, .5 unit.  
 MSAP 182 Miscellaneous Instruments, .5 unit.

## MUSICAL ENSEMBLE COURSES

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*Department of Music*

*Prerequisite for all ensembles:* audition with ensemble's director. Auditions are open to all students.

**Courses****Large Performing Ensembles (MSEN)****MSEN 190 Women's Chorale**

Women's chorus; study and perform choral literature appropriate to the group from a variety of style periods and origins. Regular performances on and off campus. May be repeated. .25 unit.

**MSEN 191 University Orchestra**

Study and performance of works for symphony orchestra. One three-hour rehearsal weekly, plus additional sectionals. Regular performances on and off campus. May be repeated. *.25 unit.*

**MSEN 192 Jazz Ensemble**

Study and performance of Big Band repertoire from swing era to present. Two 1 1/2-hour rehearsals weekly, with two or more concerts each year. May be repeated. *.25 unit.*

**MSEN 193 University Band**

Study and performance of wind band literature. Wind Ensemble of 50-60 members and Pep Band of selected players. Two on-campus concerts and a brief tour by the Wind Ensemble and performances at home football and basketball games by Pep Band. Two 1 1/2-hour rehearsals weekly. May be repeated. *.25 unit.*

**MSEN 194 University Choir**

Mixed chorus. Study and perform a cappella and accompanied choral literature appropriate to the group from variety of style periods and origins. Regular performances on and off campus; biannual tour. May be repeated. *.25 unit.*

**Small Performing Ensembles (MSEN)****MSEN 195 Jazz Combo**

Small jazz ensemble. Regular performances on and off campus. May be repeated. *.25 unit.*

**MSEN 196 Schola Cantorum**

Small mixed chorus; study and perform choral literature appropriate to the group from variety of style periods and origins; emphasis on a cappella repertoire. Regular performances on and off campus; biannual tour. May be repeated. *.25 unit.*

**MSEN 197 Woodwind Ensemble**

Study and performance of woodwind trio, quartet, quintet, or woodwind choir literature. Two rehearsals weekly. May be repeated. *.25 unit.*

**MSEN 198 Brass Ensemble**

Study and performance of brass trio, quartet, quintet, or brass choir literature. Two rehearsals weekly. May be repeated. *.25 unit.*

**MSEN 199 Percussion Ensemble**

Study and performance of percussion literature. May be repeated. *.25 unit.*

**MSEN 200 String Ensemble**

Study and performance of string ensemble literature. May be repeated. *.25 unit.*

**MSEN 201 Chamber Music**

Study and performance of chamber music. Coaching by various members of the Department of Music. May be repeated. *.25 unit.*

**MSEN 202 Guitar Ensemble**

Study and performance of guitar ensemble literature. May be repeated. *.25 unit.*

**MSEN 203 Global Music Ensemble**

Hands-on exploration of traditional musical repertoires from around the world. Students will perform on hand-made instruments from Asia and Africa and join with expert native musicians and dancers in an end-of-semester concert. Focuses primarily on Balinese gamelan (percussion orchestra) music and Ghanaian Ewe drumming ensemble music. Occasional workshops on Javanese and Brazilian musics. No previous musical experience is necessary. Traditions learned aurally/orally; no prior experience with notation is necessary. *.25 unit.*

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**PHILOSOPHY**

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**Department of Philosophy**

*Nancy Schaubert, Chair*

*Professors McWhorter, Shapiro*

*Associate Professors Goddu, McCormick, Schaubert*

*Assistant Professor Belkind*

**Note:** All 200-level courses are open to first-year students. All 300-level courses presume some previous exposure to philosophy or a related area of study.

**The Philosophy Major**

**Note:** No more than one grade below C (2.0) will be counted toward the major.

9 units, including

- PHIL 251 Symbolic Logic
- PHIL 271 Ancient Greek Philosophy

- PHIL 272 Modern Western Philosophy
- PHIL 343 or 344 Twentieth-Century Analytic or Continental Philosophy
- PHIL 353 Philosophical Methods: Majors'/Minors' Seminar
- One 300-level course in value theory and its applications, such as PHIL 360 Ethics or Philosophy, 364 Philosophy of Law, or another specific course such as may be approved by the department from year to year;
- Three units of electives, including one unit at the 300 level

## The Philosophy Minor

**Note:** A grade of not less than C- (1.7) is required in each course comprising the minor.

5 units, including

- PHIL 271 Ancient Greek Philosophy
- PHIL 272 Modern Western Philosophy
- Three units of electives, including one unit at the 300 level

## Courses

### PHIL 200 Introduction to Philosophical Problems and Arguments

Introduction to philosophy as a working discipline, with emphasis on analysis of problems and proposed solutions. Sample topics: Is there a thing that can be called the self? What is the meaning of life? What is the relationship between knowledge and opinion? Can individuals be held responsible for their actions? *1 unit.*

### PHIL 220 Contemporary Moral Issues

Philosophical introduction to the application of moral reasoning. Aims to clarify, organize, and sharpen our ideas about moral concerns of everyday life, and to examine and critique prominent moral theories. Topics may include abortion, euthanasia, capital punishment, animal rights. *1 unit.*

### PHIL 221 Feminist Political Theories

Provides students with background in major political theories that feminists have employed and developed over the past 200 years. These include classical liberalism, Marxism and various forms of socialism, and some existentialist, post-structuralist, and post-colonial theoretical work. Students will study these feminist theoretical frameworks in depth and also

will consider serious criticisms of them. (Same as Women, Gender and Sexuality Studies 221.) *1 unit.*

### PHIL 239 Existentialism and Postmodernism

Survey of themes in 20th-century existentialist and postmodern philosophy. Issues to be addressed include freedom, selfhood, embodiment and historical situation, and knowledge in the absence of transcendence. Students will read works by such thinkers as Heidegger, Sartre, Beauvoir, Fanon, Levinas, Foucault, and others. *1 unit.*

### PHIL 250 Topics Seminar: Historical

Selected topics in philosophy arranged historically. Recent topics: Kant, critical theory, Freud, Bertrand Russell's Radical Essays. May be repeated for credit when topic differs. *1 unit.*

### PHIL 251 Elementary Symbolic Logic

Introduction to modern logic beginning with truth-functions and covering formal proofs (propositional and predicate) to the level of multiply-general and relational statements. No mathematical applications. Recommended for pre-law and pre-computer studies. *1 unit. (FSSR)*

### PHIL 260 Philosophical Problems in Law and Society

Examination of purpose and justification for legal limits on individual liberty, with special attention to problems of liability and punishment. *1 unit.*

### PHIL 271 Ancient Greek Philosophy

Introduction to ancient Western philosophy, with emphasis on Plato and Aristotle. Discussion of both the development of philosophical thought and topics such as: What is knowledge? Why should I be moral? What is the good life? Readings drawn from primary texts. *1 unit. (FSHT)*

### PHIL 272 Modern Western Philosophy

Study of development of modern philosophy from Descartes to Kant. Readings from Descartes, Hume, and Kant; some attention may be given to other modern philosophers such as Leibniz, Spinoza, Locke, and Berkeley. Readings drawn from primary texts. *1 unit. (FSHT)*

**PHIL 275 Marx, Nietzsche and Freud**

Study of three major thinkers of the European tradition, in the context of the cultural history of the 19th and 20th centuries. Their theories of history, psychology, and culture will be analyzed, and their conceptions of ethical and political possibilities will be critically compared. Readings from their major texts will be included. *1 unit.*

**PHIL 280 Topics Seminar: Issues**

Selected topics in philosophy arranged by issues. Recent topics: the emotions; science, pseudoscience and the paranormal; intermediate logic; ethics, human and nonhuman. May be repeated for credit when topic differs. *1 unit.*

**PHIL 281 Philosophy of Art**

Poses and considers the question "What is art?" Explores issues concerned with the creation of, interpretation of, and social response to art. Examples are drawn from a variety of arts (e.g., literature, architecture, painting); readings from major philosophers of art, traditional and recent. *1 unit.*

**PHIL 299 Philosophy of Science**

General introduction to philosophy of science. Topics may include distinguishing science from non-science; the structure of scientific theories and explanations; the nature of scientific activity; and the relationship(s) of science with values, culture and society. *1 unit.*

**PHIL 336 Nineteenth-Century European Philosophy**

Examination of movements and individuals; emphasis on Kierkegaard's and Marx's response to Hegel. Previous work in philosophy or good background in history and/or literature is presumed. *1 unit.*

**PHIL 337 Social and Political Philosophy**

Examination of major theories in social and political philosophy, historical and current. *1 unit.*

**PHIL 339 Topics in Existentialism**

Systematic study of conditions of human experience to develop and justify descriptive categories for understanding of persons and their world. Readings from Kierkegaard, Nietzsche, Heidegger, and Sartre. *1 unit.*

**PHIL 343 Twentieth-Century Analytic Philosophy**

Critical examination of 20th-century topics and thinkers in the analytic tradition. *1 unit.*

**PHIL 344 Twentieth-Century Continental Philosophy**

Critical examination of 20th-century topics and thinkers in the French and German traditions. *Prerequisite:* Philosophy 272. *1 unit.*

**PHIL 350 Topics Seminar: Historical**

Selected topics in philosophy arranged historically. Recent topics: Kant, critical theory, Freud, Bertrand Russell's Radical Essays. May be repeated for credit when topic differs. *1 unit.*

**PHIL 353 Philosophical Methods: Majors' / Minors' Seminar**

Reading, writing, critiquing, presenting, and defending philosophical essays. Techniques of analysis and interpretation. Required for majors; open to minors. Usually taken during junior year. *Prerequisite:* Permission of department. *1 unit.*

**PHIL 357 Nietzsche**

Devoted to analysis and understanding of some of the main philosophical themes and writing of Friedrich Nietzsche (1844-1900), such as critique of Western morality and religion; affirmation of creativity and life of this world; eternal recurrence of all things; and diagnosis of modern nihilism and suggestions as to how it might be overcome. Close reading of a number of texts by Nietzsche. Lecture/discussion format. *1 unit.*

**PHIL 358 Topics in Feminist Philosophy**

Examination of recent and contemporary feminist theory. (Same as Women, Gender and Sexuality Studies 379 and Political Science 379.) *1 unit.*

**PHIL 359 Thinking and Seeing: Philosophy and the Visual Arts**

Devoted to exploring some questions having to do with the meaning and significance of the visual arts. Among topics of the course are relation between words and visual images; use of art as a way of learning about ourselves and the world; phenomenology of visual experience; and criteria for interpreting the meaning of art works. Theorists include G.E. Lessing and representative thinkers from such recent tenden-



cies as phenomenology, existentialism, deconstruction, and psychoanalysis. *1 unit.*

### **PHIL 360 Ethics**

Critical examination of main types of ethical theory. Discussion of current topics and controversies, as well as fundamental questions about the object of morality and the objectivity and justification of moral evaluations. *1 unit.*

### **PHIL 362 Philosophy of Religion**

Is there such a thing as religious knowledge? Can a rational individual believe in God(s)? Alternative conceptions of use and meaning of theological language (description, ritual, belief formation, moral persuasion); Transcendence; Mysticism, and logic. *Prerequisite:* One previous philosophy course or permission of department. *1 unit.*

### **PHIL 363 Power and Politics**

Examination and appraisal of classical liberal political philosophies — particularly their treatment of consent, rebellion, and political change — in light of 20th-century civil rights movements. Theorists studied include John Locke and various American revolutionaries such as James Madison. Movements studied are the Montgomery Bus Boycott of 1955-56, the Birmingham desegregation movement of 1963, and the gay and lesbian movement of the 1990s. Studies will evaluate liberalism as both a descriptive and prescriptive theory. Lecture/discussion format. (Same as Political Science 379.) *1 unit.*

### **PHIL 364 Philosophy of Law**

Alternative ways of conceiving of law. Such legal concepts as right and strict liability. Such problems as nature of judicial decision-making process, tension between crime control and due process, rationale of legal punishment, insanity defense. *Prerequisite:* One previous philosophy course. *1 unit.*

### **PHIL 365 Action, Responsibility and Free Will**

Examination of a core philosophical puzzle — can responsible action be both free and determined? — in writings of classical and contemporary philosophers. Seminar format, with multiple written and oral critiques, term paper, midterm, and final exams. *1 unit.*

### **PHIL 370 Philosophy of Mind**

Critical examination of fundamental questions in the philosophy of mind such as: How can we tell if something has a mind or is capable of thinking? What is the mind? What is thought? Consciousness? Do machines or non human animals have minds? What is the relationship between the mental and the physical? Between thought and action? *Prerequisite:* One previous philosophy class. *1 unit.*

### **PHIL 373 Epistemology**

Explores central issues in epistemology. These include the nature of knowledge, justification, and rationality. Historical and contemporary readings will expose students to a wide variety of different approaches and answers to questions concerning the nature and scope of knowledge. *Prerequisite:* Philosophy 271 or 272. *1 unit.*

### **PHIL 375 Ethics and Practical Reasoning**

A survey of basic issues about the nature of practical reason. Also considers associated issues about intentional action; persons; the good, moral demands; and the normativity of ethics. *Prerequisite:* One previous philosophy class. *1 unit.*

### **PHIL 380 Topics Seminar: Issues**

Selected topics in philosophy arranged by issues. Recent topics: the emotions; science, pseudoscience and the paranormal; intermediate logic; ethics, human and nonhuman. May be repeated for credit when topic differs. *1 unit.*

### **PHIL 386 Honors Seminar**

Seminar for honors students on topic selected mutually by instructor and those enrolled. Permission of department. *1 unit.*

### **PHIL 390 Independent Study**

Faculty member directs student's reading and study. *Prerequisite:* Permission of department. *.5-1 unit.*

### **PHIL 395 Honors Thesis**

Supervised completion of research thesis begun and approved in majors' seminar. *1 unit.*

## PHYSICS

### *Department of Physics*

*Cornelius Beausang, Chair*

*Professor Gilfoyle*

*Associate Professors Beausang, Bunn, Fetea*

*Assistant Professors Lipan, Trawick*

*Director of Physics Laboratory Nebel*

*Manager of Laboratories Wimbush*

### Dual-Degree (3-2) Engineering Program

Building on the strengths of majors in physics, mathematics, computer science, chemistry, and biology, the School of Arts and Sciences offers students with special career goals the ability to pursue dual degrees in a five-year period. Some opportunities allow a student to earn a Bachelor of Science from Richmond and also a Bachelor of Science from a cooperating engineering school, while others enable a student to complete an undergraduate degree from Richmond and an accelerated master's degree in engineering from a partner institution — all within a five-year period. The department has established partnership agreements through 26 different programs with the following institutions: Columbia University - School of Engineering and Applied Science; George Washington University - School of Engineering and Applied Science; University of Virginia - School of Engineering; Virginia Tech - College of Engineering; Virginia Tech - College of Science, Department of Geological Science. Additional schools of engineering may develop agreements with Richmond. The physics department's pre-engineering advisor can provide information about participating programs and requirements.

### The Physics Major

#### For the Bachelor of Arts degree

14 units, including

- PHYS 127 General Physics I or 131 General Physics with Calculus I
- One unit, chosen from
  - PHYS 128 General Physics II
  - PHYS 132 General Physics with Calculus II
  - PHYS 133 Atomic and Sub-Atomic Physics
  - PHYS 134 Biological Physics
- PHYS 205 Introduction to Modern Physics
- PHYS 221 Intermediate Laboratory

- PHYS 397-398 Junior Seminar
- PHYS 497-498 Senior Seminar
- Three additional units in PHYS
- MATH 212 Calculus II or MATH 232 Scientific Calculus II
- Five additional units in courses approved by the department

This degree is offered primarily for students who wish to prepare for interdisciplinary or medical sciences studies, or to earn a cultural degree.

#### For the Bachelor of Science degree

13.5 units, including

- PHYS 127 General Physics I or 131 General Physics with Calculus I
- One unit, chosen from
  - PHYS 128 General Physics II
  - PHYS 132 General Physics with Calculus II
  - PHYS 133 Atomic and Sub-Atomic Physics
  - PHYS 134 Biological Physics
- PHYS 221 Intermediate Laboratory
- PHYS 301 Mathematical Methods in Physics
- PHYS 303 Classical Mechanics
- PHYS 305 Electromagnetism
- PHYS 308 Statistical Physics
- PHYS 309 Quantum Mechanics I
- PHYS 397-398 Junior Seminar
- PHYS 497-498 Senior Seminar
- .5 unit of experimental work in addition to PHYS 221
- One unit, chosen from
  - CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
  - CMSC 155 Introduction to Scientific Computing
  - MATH 235 Multivariate Calculus
- MATH 245 Linear Algebra
- Two additional units, chosen from
  - PHYS 205 Modern Physics
  - PHYS 215 Computational Methods
  - PHYS 216 Electronics I
  - PHYS 217 Electronics II
  - PHYS 306 Electromagnetism
  - PHYS 310 Quantum Mechanics II
  - PHYS 404 Theoretical Physics
  - PHYS 479 Special Topics

Students are expected to fulfill all prerequisites neces-

sary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## The Interdisciplinary Physics Major for the Bachelor of Science Degree

NOTE: Students cannot major in both physics and interdisciplinary physics.

15 units, including

- PHYS 127 General Physics I or 131 General Physics with Calculus I
- One unit, chosen from
  - PHYS 128 General Physics II
  - PHYS 132 General Physics with Calculus II
  - PHYS 133 Atomic and Sub-Atomic Physics
  - PHYS 134 Biological Physics
- PHYS 205 Introduction to Modern Physics
- PHYS 221 Intermediate Laboratory
- PHYS 301 Mathematical Methods in Physics
- PHYS 397-398 Junior Seminar
- PHYS 497-498 Senior Seminar
- MATH 211-212 Calculus I-II or MATH 231-232 Scientific Calculus I-II
- Three additional units in physics at the 200 level or above
- One of the concentrations described below. All concentrations require 4-5 additional units beyond those listed above.

### 1. Biology Concentration

- BIOL 201 Genetics
- CHEM 141 Introductory Chemistry: Structure, Dynamics, and Synthesis
- Three additional units in biology

### 2. Biochemistry Concentration

- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 205-206 Organic Chemistry
- BIOL/CHEM 326 Biochemistry or BIOL/CHEM 327 Biochemistry with Lab

### 3. Chemistry Concentration

- CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
- CHEM 309-310 Physical Chemistry
- One additional unit in chemistry

### 4. Computer Science Concentration

- CMSC 150 Introduction to Computing or CMSC 155 Introduction to Scientific Computing

- CMSC 221 Data Structures with Lab
  - Three additional units in computer science
- ### 5. Mathematics Concentration
- MATH 235 Multivariate Calculus
  - MATH 245 Linear Algebra
  - MATH 312 Differential Equations
  - Two additional units in mathematics at the 300 level or above
- ### 6. Engineering Concentration: 5 units of engineering courses
- This concentration is intended for students participating in the 3-2 engineering program.
  - The required units will be earned at another institution.

## The Physics Minor

5 units, including

- Three units numbered above 200, excluding 397-398 and 497-498
- Two additional units in PHYS

## Courses

### PHYS 121 Astrophysics

Celestial motions, stellar structure, cosmology, and related problems including appropriate concepts of elementary physics. Not among the recommended options for science or math majors. Includes laboratory. *1 unit. (FSNP)*

### PHYS 125 Elements of Physics

Principles and applications of physics. Topics selected from mechanics, sound, light, electricity, magnetism, heat, and modern physics. Not among the recommended options for science or math majors. Includes laboratory. *1 unit. (FSNP)*

### PHYS 127 General Physics 1

First semester of a sequence in general physics. Mechanics, heat, sound, magnetism, electricity, light, and modern physics are covered in the two-semester sequence. Includes laboratory. NOTE: Physics 127 is not a prerequisite to 128. A student may not receive credit for both Physics 131 and 127. *Prerequisites:* Algebra and trigonometry. *1 unit. (FSNP)*

### PHYS 128 General Physics 2

Second semester of a sequence in general physics. Mechanics, heat, sound, magnetism, electricity, light

and modern physics are covered in the two-semester sequence. Includes laboratory. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134. *Prerequisites:* Algebra and trigonometry. *1 unit. (FSNP)*

### **PHYS 131 General Physics with Calculus 1**

First semester of a calculus-based introductory sequence. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. Includes laboratory. NOTE: A student may not receive credit for both Physics 127 and 131. *Prerequisite:* Math 211 or 231 (may be taken concurrently). *1 unit. (FSNP)*

### **PHYS 132 General Physics with Calculus 2**

Second semester of a calculus-based introductory sequence. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. Includes laboratory. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134. *Prerequisites:* Math 212 or 232 (may be taken concurrently) and Physics 131 or permission of instructor. *1 unit. (FSNP)*

### **PHYS 133 Atomic and Sub-Atomic Physics**

Second semester of a calculus-based introductory sequence with emphasis on physics of atoms, molecules, nuclei, and quarks. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. Includes laboratory. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134. *Prerequisites:* Math 212 or 232 (may be taken concurrently) and Physics 131 or permission of instructor. *1 unit.*

### **PHYS 134 Biological Physics**

Second semester sequence of a two-semester calculus-based course that includes laboratory, aimed at students interested in the biological sciences, premedicine, earth and environmental sciences. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134. *Prerequisites:* Math 212 or 232 (may be taken concurrently) and Physics 131 or permission of instructor. *1 unit.*

### **PHYS 205 Introduction to Modern Physics**

Introduction to topics in 20th-century physics including special relativity, quantum mechanics, and statistical physics. *Prerequisite:* Physics 132 or permission of department. *1 unit.*

### **PHYS 215 Computational Methods in Physics**

Project-oriented: applying computers to solution of problems in physical sciences. *Prerequisites:* Physics 132 and some familiarity with at least one higher-level computer language. *1 unit.*

### **PHYS 216-217 Electronics**

Laboratory course in basic electronics and instrumentation for science majors. Study of dc and ac circuits, diodes, rectifiers, transistors, operational amplifiers, binary logic, Boolean algebra, digital circuits, analog-digital conversion, transducers, and computer interfacing. *Prerequisite:* Physics 127-128 or 132. Physics 216 is a prerequisite to Physics 217. *1-1 unit.*

### **PHYS 221 Intermediate Laboratory**

Experiments in classical and modern physics emphasizing independent work. Six laboratory hours per week. *Prerequisite:* Physics 127-128 or 132. *1 unit.*

### **PHYS 301 Mathematical Methods in Physics**

Selected mathematical topics needed for upper-level work in physics. Topics taken from vector calculus, matrices, calculus of variations, orthogonal functions, and complex analysis. *Prerequisite:* Physics 132 or permission of department. *1 unit.*

### **PHYS 303 Mechanics**

Mathematical analysis of physical laws pertaining to dynamics of particles and rigid bodies. Introduction to moving coordinate systems and Lagrange's and Hamilton's methods. *Prerequisite:* Physics 301 or permission of department. *1 unit.*

### **PHYS 305-306 Electricity and Magnetism**

Electrostatic fields and potentials, dielectrics, magnetic fields, and potentials. Maxwell's equations, electromagnetic waves. *Prerequisite:* Physics 301 or permission of department. Physics 305 is prerequisite to 306. *1-1 unit.*

### **PHYS 308 Statistical Mechanics**

Statistical methods applied to description of physical systems. Statistical calculation of thermodynamic

quantities, laws of thermodynamics, statistical distributions, and classical and quantum statistics of ideal gases. (Same as Chemistry 308.) *Prerequisite:* Physics 301 or permission of department. *1 unit.*

### PHYS 309-310 Quantum Mechanics I and II

Wave mechanics and quantization; Schrodinger equation for variety of potentials; hydrogen atom in detail; perturbation methods. (Same as Chemistry 401-402.) *Prerequisite:* Chemistry 310 or Physics 301 or permission of department. Physics 309 is prerequisite to 310. *1-1 unit.*

### PHYS 381-382 Research

Six hours per week of laboratory or independent study. PHYS 381 may be taken a maximum of three times. PHYS 382 may not be repeated for credit. *Prerequisite:* Permission of department. *0 (381)-.5 (382) unit.*

### PHYS 397-398 Junior Seminar

Required of all third-year physics majors. Does not count in units required for minor. *0 (397)-.5(398) unit.*

### PHYS 404 Theoretical Physics

Application of mathematics to selected topics in physics. *Prerequisite:* Physics 301 or permission of department. *1 unit.*

### PHYS 479 Special Topics

Topics include particle and nuclear physics, solid state, modern optics, relativity, field theory. *Prerequisite:* Permission of department. *1 unit.*

### PHYS 497-498 Senior Seminar

Required of all senior physics majors. Does not count in units required for minor. *0 (497)-.5 (498) unit.*

## POLITICAL SCIENCE

### *Department of Political Science*

*Vincent Wang, Chair*

*Professors Carapico, Palazzolo, E. West, Whelan*

*Associate Professors Erkulwater, Kandeh, Mayes,*

*Simpson, Wang*

*Assistant Professors Labonte, Pribble, Roof, Simon,*

*Sznajder*

## The Political Science Major

**Note:** The grade point average of the coursework in political science comprising the major, including required courses and prerequisites, must be 2.00 or above with no course grade below C- (1.7).

10 units, including

- PLSC 220 Introduction to American Government
- Two courses, chosen from
  - PLSC 240 Introduction to Comparative Politics
  - PLSC 250 Introduction to International Relations
  - PLSC 260 Introduction to Public Policy
- One unit, chosen from
  - PLSC 311 Political Theory: Plato to Locke
  - PLSC 312 Modern Political Theory
  - PLSC 315 American Political Theory
- One unit, chosen from
  - PLSC 372 Methods for Public Opinion Research
  - PLSC 373 Methods for Public Policy Research
  - PLSC 374 Methods for Cross-National Research
- PLSC 400 Senior Seminar
- Four elective units at the 300 level, three of which must be in political science.

**Note:** Students may elect to take one department-approved course outside of the major related to political science; a regularly maintained list of such courses will be available on the department's Web site.

In addition to the 10 units in political science, MATH 119 (preferred) or BUAD 201 and 301, or PSYC 200, or equivalent is required as a prerequisite for PLSC 372, 373 or 374 but does not count toward the political science major.

The major must include a minimum of six units of University of Richmond political science courses. No more than two units of credit toward the major can be given for courses, including cross-listed courses, offered by other departments or schools at the University.

Study abroad and internships also are encouraged. Students who have an interest in attending law school should consult with the pre-law advisor; students interested in attending graduate school should consult with the department chair about undergraduate courses that they should consider taking.

## Honors Program

The political science honors program recognizes the most distinguished majors, who complete an advanced course of study, culminating in an honor's thesis. In order to be eligible, students must have completed 22 units of course work overall and at least six units in political science (including research methods) by end of junior year, with an overall and political science grade point average of 3.7 or above, and must be recommended by at least one full-time member of the Department of Political Science. Accepted honors students complete four units of designated honors coursework, including 11 units of political science courses. Honors course work may include honors seminars, standard elective courses with special work above and beyond the norm, or honors independent study courses, though at least two units must be from honors independent study (PLSC 491 and PLSC 492) devoted to proposing, researching, and writing an honors thesis in the senior year. A prospectus for the honors thesis topic must be approved before the end of the second semester junior year, at which time the candidate must identify a thesis advisor and a second reader. The thesis will fulfill the senior capstone requirement for the major; honors students are exempt from taking PLSC 400. Honors students must successfully defend their thesis before a committee of at least two readers, including the thesis advisor, and present their research at the School of Arts and Sciences Student Symposium in April of the senior year.

## Courses

### PLSC 220 Introduction to American Government

Basic roles, structures, and functions of American political institutions and introduction to American political process. *1 unit.*

### PLSC 240 Introduction to Comparative Politics

Concepts, approaches, classifications, and models useful in comparing political structures and processes. Political systems characteristic of countries with different cultures and levels of economic development. *1 unit. (FSSA)*

### PLSC 250 Introduction to International Relations

Framework for analyzing contemporary international system: goals of nation-states and other actors;

how such actors attempt to achieve their goals; and some forces that help or hinder attainment of goals. *1 unit. (FSSA)*

### PLSC 260 Introduction to Public Policy

Contemporary social and economic problems in America, public policies adopted or proposed to deal with them, and ways of analyzing those problems and policies. *1 unit. (FSSA)*

### PLSC 279 Special Topics

May be repeated for credit when topic varies. *Prerequisite:* Varies depending on topic. *1 unit.*

### PLSC 290 Mock Trial

Designed for those students who choose to participate in intercollegiate mock trial activities. Graded pass/fail. One half unit per semester may be earned. Units do not count toward completion of the major or minor. *Prerequisite:* Permission of department chair. *.5 unit.*

### PLSC 303 Metropolitan Problems and Politics

Analysis of and practical involvement with major issues affecting metropolitan governments. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

### PLSC 304 Virginia Government and Politics

Virginia government at state, county, municipal, and special district levels. Emphasis on legislative, executive, and judicial organization; state politics; and intergovernmental relations. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

### PLSC 310 Statesmanship

(See Leadership Studies 378.) *1 unit.*

### PLSC 311 Political Theory: Plato to Locke

Enduring basic issues in political theory studied through writings of Western civilization's great philosophers. *1 unit.*

### PLSC 312 Modern Political Theory

Ideas of major political philosophers of late 18th, 19th, and 20th centuries, such as Rousseau, Burke, Hegel, Marx, J.S. Millae, and Tocqueville. *1 unit.*

**PLSC 315 American Political Theory**

Political thought in America from colonial times to present with an emphasis on issues relating to liberty, equality, federalism, community, and national purpose. *1 unit.*

**PLSC 316 Reason, Rhetoric and Leadership**

(See Leadership Studies 379.) *1 unit.*

**PLSC 320 Power, Space and Territory: Geographies of Political Change**

(See Geography 320; same as International Studies 320.) *1 unit.*

**PLSC 321 Interest Groups and Social Movements**

A broad look at the role of social movements and interest groups in American politics and political science. Examines the place of interest groups in democratic theory, how groups and social movements are started and maintained, and their roles in politics including their impact on elections and the public policy-making process. Looks at a number of organized interests including the civil rights movement, organized labor, business, and Christian conservatives. *Prerequisite:* Political Science 220. *1 unit.*

**PLSC 322 Public Opinion and Public Policy**

Examines relationship between public opinion and public policy by identifying democratic values, public preferences, and interactions between elected officials and people they govern. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 323 Money, Politics and Prisons**

The connections between the economy, politics, and the prison system in the United States are important for understanding concepts of justice in a democracy. Explores links between privatization of prisons, political incentives, and theories of justice. *Prerequisite:* Political Science 220. *1 unit.*

**PLSC 325 Racial Politics**

Comparative examination of the history, problems and political role of minority groups in the U.S., with a concentration on the African-American political experience. *Prerequisite:* Political Science 220. *1 unit.*

**PLSC 326 Legislative Process**

Organization and functions of American Congress. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 327 The American Presidency**

Political leadership in American political system from perspective of chief executive. Particular attention to expansion and use of presidential power. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 328 American National Government**

Research seminar on national policy-making process. For advanced political science students. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 329 Campaigns and Elections**

Analysis of institutions and process of American electoral system and behavior of American electorate. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 330 Creation of the American Republic**

(See Leadership Studies 308.) *1 unit.*

**PLSC 331 Constitutional Law**

Role of United States Supreme Court in American politics studied through examination of landmark constitutional decisions pertaining to distribution of governmental powers. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 333 Civil Rights/Liberties**

Analysis of contemporary legal status and interpretation of constitutional rights and liberties. Emphasis on landmark Supreme Court decisions involving various provisions of the Bill of Rights and the Fourteenth Amendment. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 336 American Constitutional History**

Background, adoption, and development of the Constitution, with emphasis on role of Supreme Court and judicial review in American history and on changing interpretations of key provisions in the Constitution. *Prerequisite:* Political Science 220 or History 120 or 121. *1 unit.*

**PLSC 337 The American Legal System**

Analysis of structure, processes, and personnel of American legal system. Emphasis on decision making of private parties, judges, juries, and attorneys in context of civil litigation and criminal prosecution. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 339 Jurisprudence in Contemporary American Politics**

Explores basic questions about the nature and function of law as an instrument of state power that are deeply interconnected with a wide range of political and legal problems. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

**PLSC 340 Islam in Politics**

Broadly comparative survey of contemporary Islamist political parties, ideologies and legal philosophies in Asia, Africa, Europe, and America. *Prerequisite:* Political Science 240 or International Studies 290. *1 unit.*

**PLSC 341 Great Britain, France and Germany**

Geographical and historical settings, political cultures, political parties and elections, executives, legislatures, bureaucracies, and legal systems in three major Western European countries. Comparisons of public policies and responses to challenges of welfare state. *Prerequisites:* Political Science 220 and 240 or permission of instructor. *1 unit.*

**PLSC 342 Transitions from Communism in Europe and Eurasia**

An overview of developments in the postcommunist region while focusing on the politics of simultaneous triple transition from communist rule: political, economic, and social. Pays particular attention to the determinants of diverse trajectories followed by countries in the postcommunist world as it examines new EU member states, Russia, and the other members of the Commonwealth of Independent States (CIS). (Same as International Studies 342.) *Prerequisite:* Political Science 240 or permission of instructor. *1 unit.*

**PLSC 343 Politics of Asia**

Study of historical, cultural, and social forces shaping contemporary politics of Asia. Comparative survey of major political systems and critical examination of key issues. Attempts to link Asian studies with main-

stream political science. *Prerequisite:* Political Science 240 or permission of instructor. *1 unit.*

**PLSC 344 Europe Today**

Political, social, ethnic, and economic developments in Western Europe since WWII. Formation of European institutions such as European Union, Council of Europe, and NATO. Cooperation and conflict among European states, parties, and interest groups. *Prerequisite:* Political Science 240 or permission of instructor. *1 unit.*

**PLSC 345 Politics of China, Hong Kong and Taiwan**

Study of contemporary political history of China; analysis of political systems of the People's Republic of China, the Hong Kong Special Administrative Region, and the Republic of China on Taiwan; and discussion of key political, economic, and military issues. *Prerequisite:* Political Science 240 or permission of instructor. *1 unit.*

**PLSC 346 Politics of Cultural Pluralism**

Comparative examination of politicization of race, ethnicity, religion, and caste in contemporary world. *Prerequisite:* Political Science 220, 240, or 250 or International Studies 290 or permission of instructor. *1 unit.*

**PLSC 347 Politics of Developing Nations**

Comparative analysis of political, social, and economic development or modernization of nations in Africa, Asia, and Latin America. Topics include influence of ideology, revolution and reform, national integration, neo-imperialism and dependency, and economic growth and equality. *Prerequisite:* Political Science 240 or 250 or permission of instructor. *1 unit.*

**PLSC 348 Politics of Africa**

Comparative study of state formation, nation-building, political economy, social structure/movements, selected regions and countries in Africa. *Prerequisite:* Political Science 240 or 250 or permission of instructor. *1 unit.*

**PLSC 349 Politics of Latin America and the Caribbean**

Influence of historical, social, and cultural forces on contemporary politics of Latin America and the Caribbean. Effects of social structure and underdevel-



opment on processes of democratization, institution building, national integration, and economic development. Case studies of selected countries illustrate major themes and issues explored. *Prerequisite:* Political Science 240 or 250 or permission of instructor. *1 unit.*

### **PLSC 350 American Foreign Policy**

Analyzes the traditions, processes, substance, and goals of American foreign policy, in addition to exploring national security and defense policy, foreign economic policy, international diplomacy, and foreign policy ethics. *Prerequisite:* Political Science 220 or 250 or permission of instructor. *1 unit.*

### **PLSC 351 Globalization**

Analysis of the political, economic, and socio-cultural dimensions of globalization. Considers how globalization has affected the nation state, interstate relations, and the democratization and development of countries around the world. Students will evaluate different definitions of globalization; analyze to what extent globalization limits the autonomy of national governments; and consider whether the effects of globalization vary across different regions of the world. (Same as International Studies 351.) *Prerequisite:* Political Science 240 or 250 or International Studies 210. *1 unit.*

### **PLSC 352 International Law and Organization**

Development, processes and functions of contemporary international law and organization. Emphasis on conflict management, promotion of economic and social welfare, and development of community. *Prerequisite:* Political Science 250 or permission of instructor. *1 unit.*

### **PLSC 355 Middle East Security**

International relations of West Asia and North Africa with emphasis on issues related to war, peace, and power. Particular attention is devoted to the Arab-Israeli conflict, American involvement in Iraq and the Persian Gulf, terrorism and counter-terrorism, and other "flash points." *Prerequisite:* Political Science 250. *1 unit.*

### **PLSC 356 International Political Economy**

Politics, processes, and institutions underlying contemporary global economic interdependence, with special focus on international trade, finance and

assistance; alternative theoretical models for understanding these events, processes and institutions. *Prerequisite:* Political Science 250 or permission of instructor. *1 unit.*

### **PLSC 357 International Relations of East Asia**

Study of interactions among the major powers in the Asia-Pacific region during and after the Cold War. Examines crucial country cases and thematic issues (with focus on identity, security, and economic interdependence) by drawing perspectives from dominant international relations theories (e.g., realism, neorealism, liberal-idealism, liberal institutionalism, Marxism, and constructivism). *Prerequisite:* Political Science 240 or 250. *1 unit.*

### **PLSC 358 The United States and the Pacific Rim**

Study of changing U.S. role in the Asia-Pacific region; U.S. relations with the major powers in the region; and salient regional and bilateral political, security, and economic issues. *1 unit.*

### **PLSC 360 International Development Policy**

Assistance policies of wealthy nations and multilateral organizations, development policies and problems of poor or underdeveloped nations, and dynamics of economic, political, environmental and cultural transactions. *Prerequisite:* Political Science 250 or permission of instructor. *1 unit.*

### **PLSC 361 The Politics of Social Welfare**

Study of the development and effectiveness of programs in the United States that seek to promote economic equality and alleviate need. A focus on programs for both the poor and the middle class. *Prerequisite:* Political Science 220 or permission of instructor. *1 unit.*

### **PLSC 362 Environmental Law and Policy**

Examines legal aspects, both regulations and case law, of environmental policy. Central issues are whether legal responses (1) effectively address the needs of the parties most affected; (2) properly weigh such facts as economic efficiency, protection of nonhuman species, and the possibility of unintended consequences; and (3) are diluted by the political process. (Same as Environmental Studies 362.) *Prerequisite:* Political Science 260 or Environmental Studies 201. *1 unit.*

**PLSC 365 U.S. Healthcare Policy and Politics**

Examination of political and economic evolution of the American healthcare system: doctors, hospitals, managed care, Medicare, Medicaid, health insurance, public health, epidemiology, mental health, pediatric health, tort reform, and psychopharmacology, among other topics. Includes comparative analysis of other countries' healthcare systems. *1 unit.*

**PLSC 372 Methods for Public Opinion Research**

Core topics related to research methodology with a specific focus on survey methodology and introduction to a wider range of methods for ascertaining public opinion. *Prerequisites:* Political Science 220 and Mathematics 119 or Business Statistics 301 or Psychology 200 with a grade of C- or better. *1 unit.*

**PLSC 373 Methods for Public Policy Research**

Core topics related to research methodology with a specific focus on policy analysis and program evaluation, including various methodological techniques utilized for the quantitative and qualitative assessment of public policy. *Prerequisites:* Political Science 220 or 260 and Mathematics 119 or Business Statistics 301 or Psychology 200 with a grade of C- or better. *1 unit.*

**PLSC 374 Methods for Cross-National Research**

Core topics related to research methodology with a specific focus on issues and techniques in the collection, interpretation, comparison, and modeling of cross-national and cross-cultural data. *Prerequisites:* Political Science 240 or 250 and Mathematics 119 or Business Statistics 301 or Psychology 200 with a grade of C- or better. *1 unit.*

**PLSC 379 Selected Topics**

Examples include comparative public policy, constitutional politics, political terrorism, and public-policy decision making. May be repeated for credit when topic varies. *1 unit.*

**PLSC 388 Individual Internship**

No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department chair. *.5-1 unit.*

**PLSC 390 Independent Study**

*Prerequisite:* Permission of department chair. *.5-1 unit.*

**PLSC 393 Seminar**

Selected topics of special interest to advanced students. *1 unit.*

**PLSC 395 Legislative Internship**

Combines weekly seminar on the state legislative process with work as assistant to a state legislator, government agency, interest group, or press during session of the Virginia General Assembly. *Prerequisites:* Political Science 220 and permission of instructor. *2 units.*

**PLSC 400 Senior Seminar**

Reading and research focusing on important topics in political science. Both topics and instructors change from semester to semester. *Prerequisites:* Senior status and completion of seven units in political science, including 372, 373, or 374. *1 unit.*

**PLSC 491-492 Honors Independent Research and Writing**

Reading and research toward an honors thesis. *Prerequisite:* See honors program description. *1-1 unit.*

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**PSYCHOLOGY**

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***Department of Psychology***

*Jane Berry, Chair*

*Professors Allison, Kinsley, Li, Newcomb*

*Associate Professors Bagwell, Berry, Crawford*

*Assistant Professors Bukach, Burnette, Lindgren*

*Clinical Assistant Professors Churchill, LeViness, Stott*

The Department of Psychology offers a rigorous, graduated curriculum that combines the highest expectations of achievement in an environment rich in opportunities for intellectual stimulation and growth. Our primary mission is to provide an academic setting for students to become knowledgeable, skilled, reflective, and highly accomplished, preparing them to excel in the best graduate and professional schools and in the most competitive, creative employment contexts. We prepare students to lead productive lives characterized by an inquiring attitude, engagement in the life of mind, and immersion in the larger community. Our faculty are dedicated to excellence in teaching and scholarship, and seek to cultivate in students a love of learning and involvement in their academic community by providing

multi-layered mentoring opportunities. The department strives to educate and train its students to reach their potential.

The psychology faculty believe that education is as much an activity as it is a body of knowledge. As professors, we embrace pedagogical approaches that emphasize the scientific method; curiosity about the world and its phenomena; intellectual challenge and complexity; familiarity with primary source materials; interactive and collaborative learning; critical and analytical thinking; mastery in oral and written expression and communication; and the historical and philosophical foundations of psychological science. We value psychology's connections in the arts, humanities, and sciences; we teach professional ethics; we embrace diverse perspectives and individual differences; and we promote student involvement in local and international culture, community, and society. These curricular emphases reflect our educational goals and aspirations. They represent directions for fostering, challenging, and strengthening our students' intellectual experience, and they pervade all levels of our curriculum, from the introductory to the most advanced. Collaborative research pursuits between faculty and students are the centerpiece of the psychology major.

## The Psychology Major

**Note:** The grade point average of the department-specific and related-area coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

### For the Bachelor of Arts degree

- 10 units, including
- PSYC 100 Introduction to Psychological Science
- PSYC 200 Methods and Analyses
- PSYC 299 Integrated Topics
- One course from PSYC 310-329
- One course from PSYC 330-349
- One additional course from PSYC 310-349
- One course in the 433-449 series
- Three electives at the 300 or 400 level

### For the Bachelor of Science degree

- 14 units, including
- PSYC 100 Introduction to Psychological Science
- PSYC 200 Methods and Analyses
- PSYC 299 Integrated Topics

- One course from PSYC 310-329
- One course from PSYC 330-349
- One additional course from PSYC 310-349
- One course in the 433-449 series
- Three electives at the 300 or 400 level
- MATH 211 or 231 Calculus I
- MATH 212 or 232 Calculus II
- One unit, chosen from
  - MATH 235 Multivariate Calculus
  - MATH 245 Linear Algebra
  - MATH 312 Differential Equations
  - CMSC 150 Introduction to Computing
  - CMSC 155 Introduction to Scientific Computing
- One unit, chosen from
  - BIOL 201 Genetics
  - CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis
  - PHYS 127-128 General Physics I and II
  - PHYS 131-132 General Physics with Calculus I and II

**Note:** No more than one unit of Psychology 299 may be applied to the 10 units required in psychology. No more than one unit of internship and two units of Psychology 361 may be applied to the major.

## The Senior Capstone Experience

The department's senior capstone experience is intended to provide psychology majors with an intensive and integrative experience in psychology to culminate their undergraduate careers.

Students pursuing either the Bachelor of Arts or the Bachelor of Science degree must choose one of three Senior Capstone options:

### Option 1

Advanced seminar. One course in the Psychology 433-449 series to be taken during the fall or spring semester of the student's senior year.

### Option 2

Senior research and one advanced seminar. One course in the Psychology 433-449 series to be taken during the fall or spring semester of the student's senior year, and collaboration with a faculty member on a year-long senior research project in 461 and 462 courses.

**Option 3**

Senior honors research and two advanced seminars. One course in the Psychology 433-449 series to be taken during the fall semester of the student's senior year, a second course from this series to be taken during spring of the senior year, and collaboration with a faculty member on a year-long senior honors research project in 491 and 492 courses.

**Related Fields**

- Interdisciplinary concentration in neuroscience for biology and psychology majors
- Interdisciplinary major in cognitive science

**The Psychology Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

7 units, including

- PSYC 100 Introduction to Psychological Science
- PSYC 200 Methods and Analyses
- PSYC 299 Integrated Topics
- One course from PSYC 310-329
- One course from PSYC 330-349
- One additional course from PSYC 310-349
- One elective at the 300 or 400 level

**Study Abroad**

Psychology majors are encouraged to take advantage of study abroad. The key to successful integration of a study abroad experience with a psychology major is early and careful planning with the student's advisor and department chair. In most cases students will want to have their final three semesters on campus. Therefore, if a student anticipates participating in a study abroad program, the best times to be away are the sophomore year, the first semester of the junior year, or during a summer.

**Courses****PSYC 100 Introduction to Psychological Science**

Overview of the study of human behavior, with emphasis on scientific reasoning and the technological skills involved in the process of conducting psychological research and understanding human behavior. Three lecture and two laboratory hours per week. *1 unit. (FSSA)*

**PSYC 200 Methods and Analyses**

Introduction to research methods and statistical procedures in psychological science. Emphasis on mastering fundamental scientific, reasoning, and technological skills associated with literature review, research design, experimental manipulation, data collection, data analysis, data graphics, data interpretation, data presentation, and scientific writing. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 100 with a grade of C- or better. *1 unit.*

**PSYC 249 Special Topics**

Special course offerings to explore specific directions within subdiscipline of psychology. May be repeated for credit when topic varies. *Prerequisite:* Stated when course is offered. *1 unit.*

**PSYC 299 Integrated Topics**

Courses that provide an integrative perspective of psychological theories, issues, and research across two or more disciplinary (or subdisciplinary) contexts. *Prerequisite:* Psychology 100 with a grade of C- or better. *1 unit.*

**PSYC 300 History and Systems of Psychology**

History of psychology and of major schools of thought and their viewpoints. Recommended for majors who are planning to attend graduate school in psychology. *Prerequisite:* Psychology 299. *1 unit.*

**PSYC 311 Child Development**

Critical examination of research and theory on developmental changes and processes from prenatal through preadolescent periods. Emphasis on theoretical and empirical work on social, emotional, and cognitive development and on various developmental contexts. Includes an intensive laboratory experience focusing on conceptual, methodological, and analytical skills employed in the study of child development. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 313 Social Psychology**

Critical overview of current theory and research in social psychology, with emphasis on conceptual and empirical work on social inference, stereotyping, self processes, social influence, affective processes, attraction, interpersonal processes, altruism, aggression, and group dynamics. Includes an intensive laboratory

component focusing on conceptual, methodological, and analytical skills associated with social psychological inquiry. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 315 Adult Development**

Critical examination of changes and stability in behavior from late adolescence through advanced old age, including perception, intelligence, memory, personality, emotion, social networks, death/dying, creativity, and wisdom. Emphasis on theory, research, and applications in class with intensive laboratory component. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 317 Applied Social Psychology**

Critical overview of theory and research in applied social psychology. Emphasis will be on applications of experimental behavioral science to societal, institutional, and personal well-being (e.g., inequality, conservation, interpersonal processes, jury deliberation, health). Includes an intensive laboratory component focusing on conceptual, methodological, and analytical skills associated with the study of applied social psychology. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 319 Psychopathology**

Critical examination of research and theory in psychopathology and behavior disorders including the phenomenology, etiology, assessment, and treatment of major forms of psychological disorders. Emphasis on an integrative approach incorporating clinical, developmental, biological, and sociocultural perspectives. Intensive co-requisite laboratory experience focused on conceptual, methodological, and analytical skills used in clinical psychology and investigation of psychopathology and behavior disorders. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 321 The Psychology of Organizations**

Critical examination of major theoretical orientations and methodological approaches that bridge the fields of social psychology and organizational behavior. Topics include information processing, decision making, social influence, leadership, and group dynamics. Intensive laboratory experience focusing on

methodological, statistical, and computing skills associated with theory and research on the psychology of organizations. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 331 Behavioral Neuroscience**

Focus on the neural regulation of behavior, from animal to human. Intensive lab component with techniques and approaches used in design, execution, and analysis of research in behavioral neuroscience. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 333 Cognitive Science**

Examines interdisciplinary studies of knowledge representation, information processing, and learning using theories and methods drawn from psychology, computer science, linguistics, philosophy, and neuroscience. Intensive lab component involving techniques used in computer simulation, experimental program design, and data processing and analysis in interdisciplinary study of cognition. Three lecture and 1.5 laboratory hours per week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 341 Cognitive Neuroscience**

Critically examines what brain injury and cognitive deficits can tell us about the relationship between brain and behavior. Covers the functional anatomy of the major cognitive systems, including action, object recognition, attention, memory, language, emotion, and executive function. Includes an intensive laboratory experience focusing on research skills employed in the field of cognitive neuroscience. Three lecture hours and 1.5 lab hours a week. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 350 Selfhood**

Critical examination of nature, function, and development of the human self. Emphasis on the dynamic, open-ended qualities of the healthy, normal self, and on the construction of self-identity, especially in relationship to one's sense of meaning in life. *1 unit.*

### **PSYC 351 Religion and Psychology**

For millennia, religion and psychology have addressed issues pertaining to the nature and functioning of the human soul (anima) or mind (psyche). Will explore some of the intertwined history of reli-

gion and psychology, including some of the religious underpinnings of modern psychology, as well as the psychological foundations of religious experience, doctrine, ritual, and belief. Emphasis on the psychology of religions. (Same as Religion 364.) *1 unit.*

### **PSYC 352 Choice and Decision Making**

Critical examination of theories, concepts, and applications in the areas of human choice, judgment, and decision-making. Rational models of choice will be compared and contrasted with strategies that typify human behavior. Also focuses on applications of theoretical concepts to a variety of choices in everyday life as well as to major life decisions. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 359 Special Topics**

Special course offerings to explore specific direction within subdisciplinary area of psychology. May be repeated for credit when topics vary. *Prerequisite:* Stated when course is offered. *1 unit.*

### **PSYC 361 Independent Research**

Individual research conducted in collaboration with faculty. Note: No more than 2 units may count toward a psychology major. *Prerequisites:* Psychology 200 with a grade of C- or better and permission of supervising instructor prior to registration. *.5-1 unit.*

### **PSYC 377 Advanced Research Seminar**

Critical overview of major subdisciplinary fields of specialization in psychological science, with emphasis on the research enterprise. Emphasis on developing a viable research proposal grounded in historical, philosophical, and empirical foundations related to research question. Open to advanced sophomores and juniors. *Prerequisite:*s Psychology 200 and 299. *.5-1 unit.*

### **PSYC 388 Individual Internship**

Supervised independent work in field setting designed to give student applied experience after completion of appropriate coursework in psychology. Requires consultation with and approval by department chair. No more than 1 unit of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. Available as pass/fail only. *Prerequisite:* Psychology 299 appropriate to the internship setting. *.5-1 unit.*

### **PSYC 433 Multivariate Statistics**

Multiple variable research design and applied multivariate analyses, including, but not limited to multiple regression, factor analysis, structural equation modeling, hierarchical linear modeling, and multivariate analysis of variance. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 435 Advanced Personality and Social Psychology**

Critical examination of theory and research associated with interface between personality and social psychology. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 436 Developmental Psychopathology**

Intensive analysis of description, etiology, and development of individual patterns of behavioral maladaptation in childhood and adolescence with critical evaluation of child and family treatment approaches. *1 unit.*

### **PSYC 437 Psychology in American Society and Culture**

Critical examination of the ways in which American society and culture have influenced the development of modern psychology, and the reciprocal influence of modern psychology upon the social practices and cultural norms of the United States. (Same as History 303.) *1 unit.*

### **PSYC 438 Group Processes**

In-depth analysis of psychology of group formation, group conflict, group decision making, and intergroup relations. Emphasis on critical analysis of current theory and research on collective phenomena. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 439 Psychoneuroendocrinology**

A treatment of the neuroendocrine regulation of brain and behavior. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

### **PSYC 440 Advanced Neuroscience**

Advanced interdisciplinary examination of field of neuroscience, including biochemistry of the neuron, biology of the brain, and creation of psychology out of nervous tissue. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 441 Clinical Neuroscience**

Examination of ways in which brain function is modified to create symptomatology and syndromes that comprise clinical topics in psychology. The contrast between so-called psychological and biological bases of disorder is considered. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 442 The Neurobiology of Relationships**

Examination of complex array of behaviors that animals display toward each other from the perspective of evolutionary pressures that shaped extant neurobiology. Focus on inextricable link between human and animal origins. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 443 Cross-Cultural Psychopathology**

Critical examination of the extent to which the etiology and manifestation of mental disorders are affected by society and culture. The proposition that mental disorders prevalent within a particular culture shed light on the value structure and preoccupations of that culture is considered. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 444 Clinical Case Studies**

Intensive seminar that examines select clinical case studies and their contributions to our understanding of brain-behavior relationships. Special emphasis will be placed on the power and limits of the double dissociation methodology: contrasting patients with opposing patterns of deficits. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 446 Memory: Mind, Matter, Maturity**

Intensive analysis of developmental, psychological, and biological aspects of memory across the life span. Emphasis on normal memory development with some attention to special cases, e.g., Alzheimer's and other dementias. Memory in science, literature, society, and film examined. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 449 Advanced Seminar**

Intensive seminar intended for seniors and advanced juniors, based on faculty expertise and research specializations, and offered regularly in fall and spring semesters for capstone requirement. *Prerequisite:* Psychology 200 with a grade of C- or better. *1 unit.*

**PSYC 461-462 Senior Research**

Intensive year-long research project for seniors, requiring conception, completion, and presentation of a research thesis under faculty mentorship. *1-1 unit.*

**PSYC 491-492 Senior Honors**

Intensive year-long research project for seniors who meet requirements for University and department honors programs, requiring conception, completion, and presentation of senior honors thesis under faculty mentorship. *Prerequisite:* Departmental invitation. *1-1 unit.*

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## RELIGION

**Department of Religion**

*G. Scott Davis, Chair*

*Professors Davis, Eakin*

*Associate Professors Bergren, Geaney, Shaw, Winiarski*

The religion major is designed to provide students with both breadth and depth in the academic study of religion. When declaring the major, the student must meet with the departmental representative to formulate a course of study appropriate both to his or her interests and to the goals of the major generally.

**The Religion Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9 units, including

- Three units at the 300 level, excluding 388, 395, 396
- Four elective units in religion
- RELG 400 Majors Seminar in Approaches to the Study of Religion (Fall only)
- RELG 401 Majors Colloquium (Spring only)

The department encourages double majors. In addition, cognate courses in other departments may be included within the required nine units, with the approval in advance of the religion department. Under no circumstances will more than two extra-departmental courses be accepted as part of those nine units. Majors who plan to study abroad in the senior year must make arrangements to take the Ma-

jors Seminar and/or the Majors Colloquium in the junior year.

## Honors Program

Qualified students may apply to work for honors at the discretion of the department. A major who wishes to pursue honors should meet with the honors coordinator, usually no later than the first semester of the junior year. The department will then invite selected students to apply for honors, at which point those students will meet with the honors coordinator to plan a designated honors program in conjunction with a faculty advisor. The honors program will normally consist of four related courses, approved by the honors committee of the School of Arts and Sciences, two of which will be RELG 403-404, culminating in an honors thesis. The advisor and two other members of the department will constitute the thesis committee for each thesis and will supervise the required oral defense. Honors will be granted only to those students whose theses meet departmental standards.

## The Religion Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 units, including

- At least two units at the 300 level, excluding 388, 395, 396
- Three elective units in religion

The religion minor is designed to provide basic grounding in the academic study of religion. The religion minor requires five units in religion, reflecting the diversity of areas and approaches that make up the religion department.

## Courses

### RELG 200 Symbol, Myth and Ritual

Introduction to study of religion including, but not limited to, social scientific approaches, focusing on symbols, myths, and rituals as constitutive features of individual and communal religious thought and practice. *1 unit. (FSSA)*

### RELG 201 The Bible as Literature

Literary analysis of selected biblical passages, with text viewed as autonomous entity. Attention to both

intention of author(s) and message understood by recipient(s). Emphasis on student's direct involvement in textual analysis. *1 unit. (FSLT)*

### RELG 204 Choral Music and Creed

(See Music 204.) *1 unit. (FSVP)*

### RELG 230 The History of Israel

Israel's historical development through collaborative study of Israel's ideas and institutions within context of Ancient Near East. *1 unit. (FSHT)*

### RELG 232 Introduction to Biblical Hebrew

Introduction to biblical Hebrew. Principles and structure of biblical Hebrew with translation of selected Old Testament narratives. *1 unit.*

### RELG 241 Introduction to Early Christian Era

Survey of history of early Christianity, beginning with Jesus and his religious background, to about 120 A.D. Focus on primary texts: New Testament and other early Christian literature. *1 unit. (FSHT)*

### RELG 242 Jesus and Christian Origins

Investigates diversity of historical sources for Jesus. Detailed attention to selected ancient documents and modern interpretations. *1 unit.*

### RELG 243 The World of the New Testament

Religious and philosophical movements, besides Christianity, that flourished in Mediterranean world 200 B.C. to 200 A.D. Focus on "Greco-Roman" religions, Judaism, and Gnosticism. *1 unit.*

### RELG 250 Introduction to World Religions

Survey of major beliefs, practices, symbols, and sacred texts in selected religious traditions. *1 unit.*

### RELG 251 Sacred Arts of India

Introduction to Indian religions focusing on artistic expressions, roles of yoga and meditation in creativity, and use of images to experience the divine. *1 unit. (FSVP)*

### RELG 253 Body/Sex in World Religious Literature

Exploration of theoretical ideas about body and sexuality in world religious literature focusing on connection between sexuality and construction of identity in various religious perspectives. *1 unit. (FSLT)*



**RELG 255 Queers in Religion**

Explores the treatment of queers in a number of religious traditions. Focuses on 1) recovered appreciation for queer identities from generally hostile religious traditions; 2) religious homophobia; and 3) religious traditions that celebrate queer identities in the form of sacred queer gender formations. *1 unit. (FSLT)*

**RELG 257 Native American Religions**

Historical survey of selected Native American religious traditions from prehistory to present. Course topics may include: Mississippian and Anasazi cultures; rituals of trade, agriculture and war; impact of European missionaries and revitalization movements; Black Elk and Lakota Catholicism; and religious freedom issues in contemporary Indian communities. *1 unit. (FSHT)*

**RELG 258 Medieval Religious Thought**

History of European religious thought in the Middle Ages through reading and analysis of primary texts in translation, supplemented by interpretive materials drawn from secondary literature. *1 unit. (FSHT)*

**RELG 260 History of Judaism**

Pre-exilic Yahwism to contemporary denominational Judaism. Attention to development of beliefs and practices. *1 unit. (FSHT)*

**RELG 262 Sacred Arts of Native America**

Introduction to a variety of sacred arts of Native America and religious roles that visual and performing arts serve in Amerindian settings. Students will gain conversance with a range of artistic techniques, materials, and objects and their cultural meanings. *1 unit. (FSVP)*

**RELG 263 Religion and the Arts**

Interactions of religious beliefs and practices with the visual and performing arts in selected traditions. *1 unit. (FSVP)*

**RELG 265 Religion and Moral Decisions**

Role of religion in shaping individual and social moral practices and beliefs. Emphasis given to role of social scientific theories and methods in interpretation of beliefs and institutions. *1 unit. (FSSA)*

**RELG 267 Varieties of Christian Ethics**

Historical and contemporary approaches to ethics in the Christian traditions. Authors discussed may include Aquinas, Luther, Calvin, and contemporary thinkers on war, abortion, and sexuality. *1 unit. (FSSA)*

**RELG 268 Religion and Literature**

Religious beliefs, practices, and institutions as expressed in literature of various traditions. Emphasis on modern and contemporary works. *1 unit. (FSLT)*

**RELG 269 Ethics, Religion and the Environment**

Ethical and religious issues in human interaction with the nonhuman world. Topics may include animal rights, respect for nature, biological diversity, and religious stewardship of nature. *1 unit.*

**RELG 293-294 Selected Topics**

Special course offered at introductory level when sufficient faculty or student interest exists in subject matter not covered in other religion courses. May be repeated for credit when topics vary. *1-1 unit.*

**RELG 331 The Hebrew Prophets**

Emergence of Israelite prophetic movement in its ancient Near Eastern context, with application to contemporary social, political, ethical, and religious problems. *1 unit.*

**RELG 332 Hebrew and Christian Wisdom Literature**

Development of biblical wisdom literature. Pre-biblical, Hebrew, and Christian wisdom selections. *1 unit.*

**RELG 340 Varieties of Early Christianity**

The origins and interactions of major varieties of Christianity that flourished in first two centuries A.D. Consideration of Pauline, Johannine, and Marcionite strands; Jewish Christianity; Gnosticism; Montanism; etc. *1 unit.*

**RELG 341 Paul and Christian Origins**

Writings of Paul, with emphasis on diversity and early history of Christian Church, its theology and milieu. Reactions to Pauline thought. *1 unit.*

**RELG 342 John in Early Christian Literature**

Early Christian writings attributed to or associated with John. Primary attention to Gospel of John, as

well as the study of Letters, Acts, Apocalypse, and Apocryphon of John. *1 unit. (FSLT)*

### **RELG 343 Apocalyptic Visions of the End**

Origin and development of views concerning imminent end of world. Focus on Jewish and Christian traditions, with some attention to other strands. *1 unit.*

### **RELG 352 Buddhism in India and Tibet**

Survey of major historical movements, philosophical developments, and cultural expressions in India and Tibet. *1 unit.*

### **RELG 355 Selected Asian Religions**

Intensive study of one of the following religious traditions: Daoism, Confucianism, or Zen. *1 unit.*

### **RELG 356 Religious Thought of the Renaissance and Reformation**

History of religious thought in Europe, 1300-1600. Topics may include Christian humanism, fate and free will, the authority of Scripture, and the conquest of the New World. *Prerequisite:* Religion 258 or permission of instructor. *1 unit.*

### **RELG 358 Topics in American Religious Traditions**

Focused study of a selected topic in American religious history such as the Great Awakening, Indians and missionaries, religious autobiography, or the frontier. Seminar format emphasizing the analysis of primary sources and related methodological issues. May be repeated for credit when topics vary. *1 unit.*

### **RELG 359 American Judaism**

Emphasis on role of Jewish people beginning with their entrance into New Amsterdam in 1654; major immigration periods and precipitating factors; emergence of anti-Jewish reactions; and some contributions of Jews. *1 unit.*

### **RELG 360 Goddess Traditions Ancient and Modern**

Survey of major prehistoric and historical goddesses and exploration of contemporary relevance of goddess spirituality. *1 unit.*

### **RELG 362 Religion and Its Critics**

Religious thought and its critics in Europe and America, 1600-present. Authors may include Pas-

cal, Hume, Schleiermacher, Darwin, James, Freud, Barth, and Rorty.

### **RELG 364 Religion and Psychology**

(See Psychology 351.) *1 unit.*

### **RELG 365 Philosophical Problems in Comparative Religion**

Examination of philosophical problems in cross-cultural communication, particularly translation, rationality and relativism. May be repeated for credit when topics vary. *1 unit.*

### **RELG 366 Buddhist Philosophy**

Major Buddhist philosophical developments, beginning in India and culminating in contemporary Zen philosophy. *1 unit.*

### **RELG 369 Problems in Social Ethics**

Selected issues of social concern as addressed by various religious traditions in contemporary context. Such topics as sexuality, war, abortion, euthanasia, and environmentalism. May be repeated for credit when topics vary. *1 unit.*

### **RELG 370 Leadership and Religious Values**

(See Leadership 387.) *1 unit.*

### **RELG 373 Witchcraft and its Interpreters**

Interdisciplinary exploration of witchcraft in early modern England and North America based on original legal records and related primary sources as well as selected secondary works by modern scholars. Special attention given to the interpretive methods employed by historians in their analyses of this unique religious phenomenon. *1 unit.*

### **RELG 374 Religion and the American Environment**

Advanced research seminar examining conceptions of the natural world in selected North American religious traditions. Topics may include Native American religions, Puritanism, Transcendentalism, the Hudson River School of landscape painting, early conservationists, the Beat Poets, and contemporary radical ecology movements. *1 unit.*

**RELG 375 Cults, Communes and Utopias in Early America**

Advanced study of early American sectarian movements, including the ‘immortalists’ of New England, the Ephrata Cloister, the Mormons, the Shakers, and the Oneida Community, based on their original writings, literature, music, art, and architecture. Participants design and execute a research project based on Boatwright Library’s extensive collection of Shaker manuscripts. *1 unit.*

**RELG 388 Individual Internship**

Application of academic skills and theories in placement supervised by religion department faculty member. Application must be presented to and approved by the department prior to internship. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *.25-1 unit.*

**RELG 393-394 Selected Topics**

Special course offered when sufficient student interest exists in subject matter not covered in other religion courses. May be repeated for credit when topics vary. *Prerequisite:* Permission of instructor. *1-1 unit.*

**RELG 395-396 Independent Study**

Specialized study to provide maximum freedom in research and investigation. *Prerequisite:* Permission of instructor. *.25-1 unit.*

**RELG 400 Majors Seminar**

Advanced seminar on theories and methods in the study, focusing on classical and contemporary texts and arguments. Offered in the fall only. *1 unit.*

**RELG 401 Majors Colloquium**

Senior religion majors and members of the department will meet to discuss ongoing research projects, including issues of theory, method, sources, and critical analysis, leading to the senior paper. Offered in the spring only. *Prerequisite:* Religion 400. *1 unit.*

**RELG 403-404 Honors Course**

Guided, in-depth research, usually beginning in the fall of the senior year and culminating in the oral defense of the honors thesis in the spring, for those accepted in the department honors program. The honors thesis constitutes the senior paper. Those planning to complete coursework in December must make ar-

rangements to complete the honors program in or before the fall of the senior year. *Prerequisite:* Student must be invited to apply for honors. *1-1 unit.*

## RHETORIC AND COMMUNICATION STUDIES

### *Department of Rhetoric and Communication Studies*

*Mari Lee Mifsud, Chair*

*Associate Professors Johnson, Mifsud*

*Assistant Professors Achter, Bhatt*

*Director of Speech Center Hobgood*

*Director of Debate Kuswa*

*Assistant Debate Coach Congdon*

### The Rhetoric and Communication Studies Major

**Note:** The grade point average in the major must be 2.0 or higher, with no course grade below a C- (1.7) counting toward the major. Prior to admission to the major a grade of C+ (2.3) or higher must be achieved in both RHCS 101 and RHCS 102, or permission from the department must be obtained to declare the major.

9 units, including

- RHCS 101 Rhetoric and Public Address
- RHCS 102 Interpersonal Communication
- RHCS 295 Topics in Research (repeated for a total of 2 units)
- RHCS 490 Senior Capstone
- One 200-level elective
- One 300- or 400-level rhetoric elective
- One 300- or 400-level communications elective
- One 300- or 400-level elective

**Note:** RHCS 412/413 Seminars and RHCS 295 Topics in Research may be counted more than once toward the major. No more than one unit each of internship and independent study may count toward the major. Internships are strongly recommended and are graded pass/fail. Practicum credits will not count toward the major and are graded pass/fail.

## The Rhetoric and Communication Studies Minor

**Note:** The grade point average in the minor must be 2.0 or higher, with no course grade below a C- (1.7) counting toward the minor. Prior to admission to the minor a grade of C+ (2.3) or higher must be achieved in both RHCS 101 and RHCS 102, or permission from the department must be obtained to declare the minor.

5 units, including

- RHCS 101 Rhetoric and Public Address
- RHCS 102 Interpersonal Communication
- RHCS 295 Topics in Research
- Two 300- or 400-level electives

**Note:** No credit toward the minor will be awarded for internships or practica.

### Rhetoric Courses

RHCS 201 Argumentation and Debate  
 RHCS 221 Business and Professional Speech  
 RHCS 323 Classical Rhetoric  
 RHCS 325 Medieval to Modern Rhetorics  
 RHCS 327 Contemporary Perspectives on Rhetoric  
 RHCS 333 Theory and Pedagogy  
 RHCS 341 Speech Writing  
 RHCS 343 Rhetoric and Politics  
 RHCS 345 Rhetoric of Terrorism, (In)Security and the State  
 RHCS 353 Rhetoric and Law  
 RHCS 363 Rhetoric and Culture  
 RHCS 387 Independent Study in Rhetoric  
 RHCS 413 Rhetoric Seminar

### Communication Studies Courses

RHCS 210 Group Communication  
 RHCS 300 Communication Theory  
 RHCS 302 Advanced Theories in Interpersonal Communication  
 RHCS 330 Organizational Communication  
 RHCS 340 Culture and Communication  
 RHCS 342 Gender and Communication  
 RHCS 350 International Communication  
 RHCS 352 Family Communication  
 RHCS 386 Independent Study in Communication Studies  
 RHCS 412 Communication Studies Seminar

## Courses

### RHCS 101 Rhetoric and Public Address

Introduction to rhetoric as an idea and a practice. Emphasizes theories of rhetorical design processes, in particular, theories of invention, arrangement, style, memory, and delivery. Includes weekly practicum. *1 unit.*

### RHCS 102 Interpersonal Communication

Survey of theory and practice relating to one-to-one communication. Exploration of role of communication and meaning in development of self, perceptions, and relationships. Introduction to social scientific study of communication. Includes lab-based practicum. *1 unit. (FSSA)*

### RHCS 201 Argumentation and Debate

In-depth introduction to principles of public advocacy. Emphasizing both theory and skills, the course includes casewriting, presentation, analysis, refutation, cross-examination, and logical fallacies. *1 unit.*

### RHCS 210 Group Communication

Group communication theory and methodology; participation in group discussion relating theory to specific communication problems. *1 unit.*

### RHCS 221 Business and Professional Speech

Making the business presentation and giving the corporate advocacy speech. Application to workplace of skills in listening, problem solving, interviewing, conducting meetings. *Prerequisite:* Rhetoric and Communication Studies 101. *1 unit.*

### RHCS 295 Topics in Research

These topical courses focus on theory and practice of selected research methods (e.g. rhetorical criticism, ethnography, interview and survey methods, etc.), providing students with critical understanding of published research, a grounding in research methodology, and a working knowledge of the research process. Majors are required to take two units of RHCS 295, minors one unit. May be repeated for credit when topics differ. *1 unit.*

### RHCS 300 Communication Theory

Survey of leading human communication theories put forward in varied areas of communication behavior, including interpersonal, group, and public

communication. *Prerequisite:* Rhetoric and Communication Studies 102. *1 unit.*

### **RHCS 302 Advanced Theories in Interpersonal Communication**

In-depth exploration of specific theories in area of interpersonal communications. Will focus on role of communication in creating, maintaining, repairing, and transforming individual's sense of self and other. From this foundation, students will explore essence of dialogue through works of Buber, Bakhtin, Arnett, and Baxter. *Prerequisite:* Rhetoric and Communication Studies 102. *1 unit.*

### **RHCS 323 Classical Rhetoric**

Roots of modern rhetorical theory in writings of Greek and Roman teachers of rhetoric. *1 unit.*

### **RHCS 325 Medieval to Modern Rhetorics**

Introduction to nature, scope, function and value of rhetorical theory in Medieval, Renaissance, and Enlightenment cultures. Key figures include St. Augustine, Boethius, Trebizond, Peter Ramus, Giambattista Vico, George Campbell, Hugh Blair, and Richard Whately. *1 unit.*

### **RHCS 327 Contemporary Perspectives on Rhetoric**

Survey of leading contemporary rhetorical theorists with emphasis on those who provide alternative views to classical and neo-Aristotelian theories, including symbolic interactionist approaches, postmodern approaches, and critical approaches. *Prerequisite:* Rhetoric and Communication Studies 101. *1 unit.*

### **RHCS 330 Organizational Communication**

Presents fundamental principles of organizational communication theory, methods, and practices, applied to concrete examples from organizational experience. *Prerequisite:* Rhetoric and Communication Studies 102. *1 unit.*

### **RHCS 332 Practicum**

Understanding communication through practical oral performance, debate, oral interpretation, public address. Fifty hours of work for one quarter unit of practicum credit. Includes research and written work appropriate to the speech activity involved. Two units maximum credit. Graded pass/fail only. Does not count for rhetoric and communication studies

major or minor. *Prerequisite:* Permission of department. *.25-1 unit.*

### **RHCS 333 Theory and Pedagogy**

For students who have successfully applied for positions as student consultants and speech fellows at the speech center. *1 unit.*

### **RHCS 340 Culture and Communication**

Studies dynamics of intercultural communication. Emphasis on familiarizing students with issues relating to diversity and improving students' skills in communicating across cultural barriers. *Prerequisite:* Rhetoric and Communication Studies 102. *1 unit.*

### **RHCS 341 Speech Writing**

History of professional speech writing from classical times to present. Attention to status and impact of modern political and business speech writers. Emphasis on writer/speaker relationship, audience analysis, speech structure, use of data, and writing in an oral style. *Prerequisite:* Rhetoric and Communication Studies 101. *1 unit.*

### **RHCS 342 Gender and Communication**

Focus on how gender is constructed and communicated in our daily lives through influences and institutions such as interpersonal relationships, the family, media, education, and religion. Theoretical work, empirical research, personal experiences, and media all will be utilized in discussions of gender and its impact on everyday interactions. Students will explore major theoretical developments concerning gender and communication from varied perspectives and disciplines. *Prerequisite:* Rhetoric and Communication Studies 102. *1 unit.*

### **RHCS 343 Rhetoric and Politics**

Analysis of American political systems from rhetorical perspective using several theoretical frameworks and applied research. Examine interpretive processes on which political arguments and ideologies are based. Study impact of language on issues, candidates, and campaigns. Develop perspective of government's role in the "ongoing conversation" of politics and evaluate rules, choices, and strategies employed in different political arenas. *Prerequisite:* Rhetoric and Communication Studies 101. *1 unit.*

**RHCS 345 Rhetoric of Terrorism, (In)Security and the State**

Expands student perspectives and broadens their bases of information regarding violence, terrorism, and homeland security. What is violence? Is it avoidable? Can it ever be justified? Does terrorism operate exclusively through fear? Can speech be violent, “terroristic” or fear-inducing? How does a rhetorical perspective tie together the symbolic and the real? What is homeland security and how can it be achieved? These and other questions will be addressed. *Prerequisite:* Rhetoric and Communication Studies 101. 1 unit.

**RHCS 350 International Communication**

Examines the elements shaping international communication in contemporary society. Focuses on ways in which technology, media, and nation influence one’s identity and reality. Specifically examines communication between nations and cultural groups. *Prerequisite:* Rhetoric and Communication Studies 102. 1 unit.

**RHCS 352 Family Communication**

Critical exploration of the communication processes that create, define, and maintain the family, with attention to relevant social scientific and humanistic theory and research. *Prerequisite:* Rhetoric and Communication Studies 102. 1 unit.

**RHCS 353 Rhetoric and Law**

Inquiry into the law from rhetorical perspectives, using the history and theory of rhetoric and its long-standing association with law and justice. Examination of interpretive processes on which legal arguments and ideologies are based. Exploration of the language of legal argument, court decisions, and of the role of rhetoric and the law in shaping of public life and social justice. *Prerequisite:* Rhetoric and Communication Studies 101. 1 unit.

**RHCS 363 Rhetoric and Culture**

Engages students in an inquiry into the rhetoric of culture. Includes exploration of rhetoric of cultural performance ranging from popular culture in various media to the public memorials, rituals, and institutions that shape norms of culture. Also explores the rhetoric of elements of culture such as race, class, gender, and sexual orientation. *Prerequisite:* Rhetoric and Communication Studies 101. 1 unit.

**RHCS 386 Independent Study in Communication Studies**

No more than one unit of independent study may count toward the major or minor. *Prerequisite:* Permission of instructor. .25-1 unit.

**RHCS 387 Independent Study in Rhetoric**

No more than one unit of independent study may count toward the major or minor. *Prerequisite:* Permission of instructor. .25-1 unit.

**RHCS 388 Individual Internship**

Practical application of speech communication principles and skills in a supervised, out-of-class environment. Graded pass/fail only. No more than one unit of internship may count toward rhetoric and communication studies major. Open to majors and minors only, but does not count toward the rhetoric and communication studies minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Faculty approval before beginning work. .25-1 unit.

**RHCS 412 Communication Studies Seminar**

Special topics courses in areas such as conflict management, interpersonal communication, and family communication. May be repeated for credit when topics differ. *Prerequisite:* Rhetoric and Communication Studies 102. 1 unit.

**RHCS 413 Rhetoric Seminar**

Special topics courses in areas such as rhetoric in film, history of rhetoric, and rhetorical theory. May be repeated for credit when topics differ. *Prerequisite:* Established by instructor. 1 unit.

**RHCS 490 Senior Capstone**

Capstone experience for rhetoric and communication studies majors examining major themes of interrogation relevant to scholars across the discipline. Themes range across questions of communication and culture, identity, power, agency, language, behavior, performance, and ethics. Weaves together theories and histories to provide students with a culminating and integrative experience in the major. Student work will focus on critical response to selected questions, presentation of a six- to eight-minute extemporaneous speech in defense of a thesis, and additional defense of the thesis in a question and an-

swer session with a faculty panel. *Prerequisites:* Senior standing. Rhetoric and communication studies majors only. *1 unit.*

### **RHCS 498-499 Honors Thesis Writing**

Advanced research and writing opportunity for departmental honors students. Requires completion and presentation of honors thesis. *Prerequisite:* Participation in department honors program. *1-1 unit.*

## **RUSSIAN STUDIES PROGRAM**

### *Department of Modern Literatures and Cultures*

*Associate Professors Howell, Troncale*

*Affiliated Faculty: David Brandenburger (History),  
Jeffrey Hass (Sociology)*

This section contains information specific to the degree program in Russian studies. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### **Study Abroad**

Study and travel abroad are strongly encouraged for all students. Russian studies students can take advantage of a semester or year academic program at Smolny/Bard College in St. Petersburg, Russia, as well as summer programs in St. Petersburg and Prague, Czech Republic.

### **The Russian Studies Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9.5 units, including

- Two units in Russian at the 300 level or above
- Seven units chosen from the list below (NOTE: LAC in Russian is required for four of the courses taken in English. No more than one unit of LAC may be counted towards the 35 units required for the degree.)

MLC 260 Topics in East European Literature

MLC 321 Introduction to 19th-Century  
Russian Literature

MLC 322 Introduction to 20th-Century  
Russian Literature

MLC 331 Russian Cinema

MLC 332 Conscience and Consciousness in  
19th-Century Russian Painting

MLC 335 Bombs, Bolsheviks, Ballet: Soviet  
Culture and Civilization

MLC 497 Selected Topics (with approval of  
Russian studies major advisors)

HIST 236 Russian Empire, USSR and After

HIST 237 The Last Soviet Generation

HIST 246 Russian Revolution

HIST 324 Text and Context: Anna Karenina  
and Her World

Elective in Russian at the 300 level or above

Up to three area-related courses selected from other departments (e.g., art history, political science, sociology, etc) can be substituted for courses in the above list with advance consultation and permission of Russian studies major advisor.

- RUSN 498 Senior Research Project I
- RUSN 499 Senior Research Project II

### **Related Fields**

- Combined major in English and Russian literature
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy

### **The Russian Studies Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 units, including

- Two units of 300- or 400-level Russian
- Three elective units chosen from the list above, with LAC in Russian for courses taken in English

### **Courses**

#### **RUSN 101-102 Elementary Russian**

Introduction to Russian language and culture. *Prerequisite:* Russian 101 is prerequisite to 102. *1-1 unit.*

#### **RUSN 201-202 Intermediate Russian**

Active practice and reinforcement of language skills and study of culture. *Prerequisite:* Russian 102 or permission of department. Russian 201 is prerequisite to 202. *1-1 unit. (202 only, COM2)*

**RUSN 301 Russian Conversation**

Emphasizes development of spoken Russian and comprehension of contemporary Russian within cultural context. *Prerequisite:* Russian 202 or permission of department. 1 unit.

**RUSN 311 Readings in Russian Cultural Studies**

Introduction to historical and contemporary issues in Russian culture. Topics include concepts and methods used in Russian cultural studies of Russian identity, traditions, and transitions. Primary and secondary materials place practical emphasis on vocabulary building and the development of written compositional skills. Analysis and discussion of primary texts. *Prerequisite:* Russian 301 or permission of instructor. 1 unit.

**RUSN 388 Individual Internship**

Internship experiences outside of the department in fields related to Russian studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. .5-1 unit.

**RUSN 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in Russian. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit. *Prerequisite:* Departmental approval .25 unit.

**RUSN 401-402 Advanced Russian**

Discussion in Russian at advanced level of selected topics and readings in Russian literature. *Prerequisite:* Permission of instructor. 1-1 unit.

**RUSN 420 Readings in Russian Literature**

Analysis and discussion of primary Russian texts. Topics vary by semester. May be repeated up to three times with different course material. *Prerequisite:* Permission of instructor. 1 unit.

**RUSN 495 Independent Study**

Special projects individually pursued under supervision of faculty member. *Prerequisite:* Permission of department. .5-1 unit.

**RUSN 497 Selected Topics**

Special interest topics offered at department's discretion. *Prerequisite:* Permission of department. 1 unit.

**RUSN 498 Senior Research Project I**

Consultation with faculty mentor and selection of Russian studies topic for senior research project. *Prerequisite:* Senior standing. 0 unit.

**RUSN 499 Senior Research Project II**

Completion and presentation of an independently researched paper on Russian studies topic. *Prerequisite:* Senior standing. .5 unit.

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**SCHOOL OF CONTINUING STUDIES**

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*James Narduzzi, Dean*

**Courses****SCS 999 School of Continuing Studies Course**

Courses with the SCS subject code are taught through the University's School of Continuing Studies. They are cross listed in the undergraduate School of Arts and Sciences. For descriptions of specific courses, see the School of Continuing Studies catalog. .86 unit.

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**SOCIOLOGY**

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**Department of Sociology and Anthropology**

*Joan Neff, Chair*

*Associate Professors Hass, Neff, Nourse, Obi, Wharton  
Assistant Professors French, O'Brien, Ransom*

*Professionals from the field also are employed as adjunct faculty. Upper-level courses are taught on a rotating basis.*

Sociology is the systematic study of social life in order to understand the causes and consequences of human action. Sociologists study the structure and processes of modern, industrial societies. They examine how social structures (groups, organizations, and communities) and social institutions (family, education, religion, etc.) affect human attitudes, actions, and life-chances. Sociologists use various theoretical perspectives to understand such areas as culture, socialization, conformity and deviance, inequality, family patterns, race and ethnic relations, and social change. Combining theoretical perspectives with empirical research allows constant testing and refinement of



the body of knowledge that comprises the field of sociology. Sociology offers students an opportunity to develop new insights and a different perspective on their lives and to understand everyday social life as a combination of both stable patterns of interaction and ubiquitous sources of social change.

## The Sociology Major

**Note:** The grade point average of the sociology coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

10 units, including

- SOC 101 Foundations of Society: Introduction to Sociological Analysis
- SOC 211 Sociological Research Methods and Data Analysis
- SOC 221 Sociological Theory
- One unit from each of the three areas of concentration and three additional units, selected in consultation with the student's major advisor
- SOC 401 Capstone Experience

### Notes:

- Completing at least three units in one area constitutes a concentration in that area.
- Only one 200-level course may be taken within any single concentration.
- No more than two 200-level courses, excluding SOC 211 and SOC 221, may be taken for credit toward the sociology major.
- No more than two anthropology courses may be counted towards the major.
- Students must earn a grade of C or better in either SOC 211 or SOC 221 in order to take 300-level sociology courses.
- Students must earn a grade of C or better in both SOC 211 and SOC 221 in order to take 400-level sociology courses.
- No more than three courses may be taken at other institutions, including study abroad institutions.
- Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## Concentrations

### Power, Inequality and Diversity

- SOC 216 Social Inequalities
- SOC 279 Selected Topics (as approved by the department)
- SOC 302 Social Movements
- SOC 304 Power, Control and Resistance
- SOC 316 Race and Ethnicity
- SOC 319 Social Constructions of Gender and Sexuality
- SOC 379 Selected Topics (as approved by the department)
- ANTH 279 Selected Topics (as approved by the department)
- ANTH 300 Sexuality and Gender Across Cultures
- ANTH 336 Politics, Power and Ritual
- ANTH 379 Selected Topics (as approved by the department)

### Regional and Global Studies

- SOC 230 Introduction to the Study of Africa
- SOC 231 Across the Pond: Europe vs. USA
- SOC 232 Postsocialism in Russia and Eastern Europe
- SOC 279 Selected Topics (as approved by the department)
- SOC 306 Social Change in a Global Perspective
- SOC 308 War
- SOC 335 Feast and Famine: Inequalities in the Global Food System
- SOC 379 Selected Topics (as approved by the department)
- ANTH 279 Selected Topics (as approved by the department)
- ANTH 307 Indigenous Peoples of the Americas
- ANTH 308 Latin America: An Ethnographic Perspective
- ANTH 338 Africa: Cultural Change in a Post-Colonial Setting
- ANTH 339 Pacific Island Cultures and Ethnographies
- ANTH 340 Southeast Asia: Cultural Representations
- ANTH 379 Selected Topics (as approved by the department)

**Social Institutions and Structures**

- SOC 207 Crime and Justice in a Post-Modern Society
- SOC 250 Social Organizations and Institutions
- SOC 255 Sport in Society
- SOC 279 Selected Topics (as approved by the department)
- SOC 303 Sociology of Families
- SOC 305 Conformity, Deviance and Institutions of Social Control
- SOC 313 Field Investigation of the Juvenile and Adult Criminal Justice Systems
- SOC 324 Law and Society
- SOC 379 Selected Topics (as approved by the department)
- ANTH 279 Selected Topics (as approved by the department)
- ANTH 304 Ritual, Witchcraft and Divination
- ANTH 379 Selected Topics (as approved by the department)

**Courses****SOC 101 Foundations of Society: Introduction to Sociological Analysis**

Fundamental concepts and principles of sociology. Culture, socialization, social structure, stratification, social control, institutions, population, and social change. *1 unit. (FSSA)*

**SOC 207 Crime and Justice in a Post-Modern Society**

Prevalence and distribution of crime, theories of crime, forms of criminal behavior, overview of the criminal justice system. *Prerequisite: Sociology 101. 1 unit.*

**SOC 209 Social Problems**

Sociological examination of major social problems. Emphasis is on the structural causes, manifestations, patterns, consequences, and policy dimensions of social problems. *Prerequisite: Sociology 101 or permission of instructor. 1 unit.*

**SOC 211 Sociological Research Methods and Data Analysis**

Introduction to the major methods of conducting sociological research with a primary emphasis on quantitative data collection and analysis. *Prerequisites: Sociology 101 or Anthropology 101 and Math 119 with a grade of C- or better. 1 unit.*

**SOC 216 Social Inequalities**

Examination of how class, race, and gender structure everyday life experiences and social institutions. *Prerequisite: Sociology 101. 1 unit.*

**SOC 221 Sociological Theory**

History of sociological thought; major theoretical perspectives, both classical and contemporary. *Prerequisite: Sociology 101 or Anthropology 101. 1 unit.*

**SOC 231 Across the Pond: Europe vs. USA**

An examination of social structures, social identities, political cultures, and economies in contemporary Europe. Focuses on the interaction between variation among European countries and the creation and operation of the European Union. Compares structures and policies in Europe and the United States. *Prerequisite: Sociology 101. 1 unit.*

**SOC 232 Postsocialism in Russia and Eastern Europe**

Examines issues in postsocialism in Russia and Eastern Europe, including historical context and legacies of Soviet socialism, collapse of the USSR and East Europe, logics and policies of economic reform, political and social change, and a brief comparison with China's experience. *Prerequisite: Sociology 101. 1 unit.*

**SOC 250 Social Organizations and Institutions**

Examines the nature of organizations and institutions, how they emerge, and how they operate and change. Topics include organizations, institutions, and power; states and the organizational basis of social class; cross-national variation in corporate structures and practices; micro-institutions such as families; and the impact of organizations and institutions on people's everyday lives, identities, and actions. *Prerequisite: Sociology 101. 1 unit.*

**SOC 255 Sport in Society**

Foundation for critical understanding and appreciation for centrality and importance of sport in contemporary society. *Prerequisite: Sociology 101. 1 unit.*

**SOC 230 Introduction to Africa: The Sociology of Africa**

(See International Studies 230.) *1 unit.*

**SOC 279 Selected Topics in Sociology**

Various topics in the field of sociology. Course may be repeated for credit if topics are different. *Prerequisite:* Sociology 101. *1 unit.*

**SOC 302 Social Movements**

Examination of various types of social movements and theoretical perspectives that explain them. Includes movement origins, structure and organization, goals and strategies, how movements change, and how they affect the larger society. Analysis of social, economic, and political contexts in which movements develop. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 303 Sociology of Families**

Family as a social institution; historical, social class, ethnic, racial, economic contexts and variations. Intersection with religious, state, and educational institutions. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 304 Power, Control and Resistance**

Examines the many facets of the structure and operation of power, using case studies to illuminate such issues as the three dimensions of power, the construction of and challenge to authority, the relation between power and discourse, power and the body, and tactics and opportunities of everyday passive resistance. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 305 Conformity, Deviance and Institutions of Social Control**

Informal and formal pressures to conform to, as well as deviate from, societal norms; social control institutions. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 306 Social Change in a Global Perspective**

Addresses the processes and forces underpinning the rise of modern nation-states and capitalist economies in the developed and developing worlds. Topics include: the coming of European modernity; dependency and development in Latin America and East Asia; the communist experiment; and globalization. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 308 Sociology of War**

Examines the relationship between social structures and war, including democracy and civil rights (e.g. gender and ethnic rights), economic development, social reform, and political identity. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 311 Juvenile Delinquency**

Meaning of juvenile delinquency; measurement, prevalence and distribution of juvenile delinquency; theories of delinquency; police actions; court actions; and juvenile institutions. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 313 Field Investigation of the Juvenile and Adult Criminal Justice Systems**

Steps in adult and juvenile criminal justice processes from arrest through court procedures, incarceration. Innovative rehabilitative treatments. Students participate in series of field experiences. Readings from sociological literature. (Offered in summer only.) *Prerequisite:* Sociology 101 or permission of instructor. *1 unit.*

**SOC 316 Race and Ethnicity in America**

Native peoples; immigration and settlement of U.S.; racial and ethnic groups; prejudice and discrimination; race relations in a racially and culturally diverse society. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 319 Social Constructions of Gender and Sexuality**

Gender and sexuality as social institutions, biological factors, social contexts of gender and sexuality, socialization, relationships, work, changes, and possibilities. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 324 Law and Society**

Variations within and between legal systems, social nature of the legal system, the legal profession, and sociological issues within civil and criminal law. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

**SOC 326-327 Directed Independent Study**

Intensive study of a specific topic within sociology under the direction of a member of the faculty. Requires approval by the department chair. *Prerequisite:*

Sociology 211 or 221 with a grade of C or better and department approval. *.5-1 unit.*

### **SOC 335 Feast and Famine: Inequalities in the Global Food System**

Analyzes the socio-economic, political, and cultural construction of food systems. Topics include global institutions that impact the flow of food around the world; regional relationships pertaining to food trade; and local relationships between producers, retailers, and consumers. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

### **SOC 379 Selected Topics**

Various topics in the field of sociology. Course may be repeated for credit if topics are different. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *1 unit.*

### **SOC 388 Individual Internship**

Supervised independent field work. Requires permission of a supervising faculty member and approval by the department chair. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *.5 unit.*

### **SOC 389 Research Practicum**

For junior- or senior-level majors. Work closely with professor on research project: design, data collection, data analysis. Requires permission of a supervising faculty member and approval by the department chair. *Prerequisite:* Sociology 211 or 221 with a grade of C or better. *.5-1 unit.*

### **SOC 401 Capstone Experience**

Senior capstone experience to complete sociology major. Builds upon what students have learned about sociology as a discipline: its central themes, theoretical perspectives, research methods, and substantive research findings. Examines various topics and issues that comprise subject matter of sociology and reflects on its major contributions. *Prerequisites:* Senior standing and Sociology 211 and 221 with a grade of C or better. *1 unit.*

## **THEATRE**

### ***Department of Theatre and Dance***

*Walter Schoen, Chair*

*Associate Professors Holland, Mike, Schoen, West*

*Assistant Professor Stegneir*

*Assistant Director of Costume and Makeup Hogg*

*Director of Dance Daleng*

*Assistant Director of Dance Van Gelder*

*Associate Director of the Modlin Center for the Arts  
Howson*

*Each year two professional guest artists join the faculty to work with students and in productions. Additional professionals from the field also are employed as adjunct faculty members.*

### **The Theatre Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7). Upper-level courses are taught on a rotating basis.

11 units, including

- Production participation - THTR 399 Leadership in Production (0 units)
- Diversity, one unit chosen from
  - THTR 210 Performing Diversity: A Cultural Odyssey
  - THTR 313 Theatre for Social Change I
  - THTR 314 Theatre for Social Change II
- History, two units chosen from
  - THTR 309 Theatre History I
  - THTR 319 Theatre History II
  - THTR 321 History of Apparel
- Production Studies, three units including
  - THTR 205 Production Studies I  
Fundamentals of Theatre
  - THTR 306 Production Studies II- Analysis, Conceptualization and Problem Solving
  - THTR 407 Production Studies III- Collaboration and Production
- Performance, one unit chosen from
  - THTR 212 Basics of Acting
  - THTR 219 Ensemble Performance
  - THTR 308 Basics of Directing
  - THTR 327 Acting Shakespeare I
  - THTR 328 Acting Shakespeare II
  - DANC 238 Introduction to Contact Improvisation

- DANC 248 Introduction to Movement  
Improvisation
- DANC 255 Choreography
- DANC 256 Beginning Jazz Dance
- DANC 257 Beginning Ballet
- DANC 258 Writing from the Body: Words  
and Movement
- DANC 259 Beginning Tap Dance
- DANC 260 Beginning Modern Dance
- DANC 261 Intermediate Jazz Dance
- DANC 262 Intermediate Tap Dance
- DANC 263 Intermediate Modern Dance
- DANC 266 Intermediate Ballet
- DANC 306 University Dancers
- DANC 356 Pointe and Variations
- DANC 361 Advanced Jazz Dance
- DANC 362 Advanced Tap Dance
- DANC 363 Advanced Modern Dance
- DANC 366 Advanced Ballet
- Technical Theatre, one unit chosen from  
THTR 201 Stagecraft  
THTR 206 Introduction to Costume  
THTR 213 Fundamentals of Stage Makeup
  - Theory, one unit chosen from  
THTR 320 Advanced Acting: Twentieth-  
Century Acting Styles and Theory  
THTR 325 Script Analysis  
THTR 370 Staging Gender
  - Theatre Design, one unit chosen from  
THTR 202 Stage Lighting  
THTR 301 Scene Design  
THTR 302 Scene Painting  
THTR 322 Advanced Costume Design
  - Elective  
One unit, approved by the theatre department,  
in art history, studio art, or music
- Limitations**  
Theatre 330-341 (Practica) and 388 (Internship)  
cannot be counted in the major. No course units  
can be counted toward both a major in theatre and  
a minor in dance.
- The Theatre Minor**  
**Note:** The grade point average of the coursework  
comprising the minor must be no less than 2.00,  
with no course grade below C- (1.7).
- 6 units, including
- Diversity, one unit chosen from  
THTR 210 Performing Diversity: A Cultural  
Odyssey  
THTR 313 Theatre for Social Change I
  - Production Studies, two units including  
THTR 205 Production Studies I  
Fundamentals of Theatre  
THTR 306 Production Studies II- Analysis,  
Conceptualization and Problem Solving
  - Performance, one unit chosen from  
THTR 212 Basics of Acting  
THTR 308 Basics of Directing  
THTR 327 Acting Shakespeare I  
THTR 328 Acting Shakespeare II  
DANC 238 Introduction to Contact  
Improvisation  
DANC 255 Choreography  
DANC 256 Beginning Jazz Dance  
DANC 257 Beginning Ballet  
DANC 259 Beginning Tap Dance  
DANC 260 Beginning Modern Dance  
DANC 261 Intermediate Jazz Dance  
DANC 262 Intermediate Tap Dance  
DANC 263 Intermediate Modern Dance  
DANC 266 Intermediate Ballet  
DANC 306 University Dancers  
DANC 356 Pointe and Variations  
DANC 361 Advanced Jazz Dance  
DANC 362 Advanced Tap Dance  
DANC 363 Advanced Modern Dance  
DANC 366 Advanced Ballet
  - Technical Theatre/Theatre Design, one unit  
chosen from  
THTR 201 Stagecraft  
THTR 202 Stage Lighting  
THTR 206 Introduction to Costume  
THTR 213 Fundamentals of Stage Makeup  
THTR 301 Scene Design  
THTR 302 Scene Painting  
THTR 322 Advanced Costume Design
  - History/Theory, one unit chosen from  
THTR 309 Theatre History I  
THTR 319 Theatre History II  
THTR 320 Advanced Acting: Twentieth-  
Century Acting Styles and Theory  
THTR 321 History of Apparel  
THTR 325 Script Analysis  
THTR 370 Staging Gender

**Limitations**

Theatre 315 (Independent Study), 330-341 (Practica) and 388 (Internship) cannot be counted in the minor.

**Related Fields**

- Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors
- Combined major in theatre and English literature

**Honors Program**

Outstanding students with intellectual initiative and the desire to pursue academic achievement beyond standard coursework have the opportunity to broaden and deepen knowledge in selected major fields through the honors program. To qualify, a student should have at least a 3.30 cumulative grade point average, 18 or more units completed and, excluding coursework primarily for first-year students, 3.5 or more units completed with distinction in the major field.

Students electing to fulfill requirements for the honors program in the Department of Theatre and Dance must designate at least two units of honors credit through a combination of upper-level courses. This will require the student to do additional work over and above the normal requirements of the course. In addition, the student also must take Honors Thesis Preparation (THTR 380) and Honors Performance/Thesis (THTR 381). The student must have attained a departmental GPA of 3.30 by the beginning of the fall semester of the senior year. The student also must maintain that GPA through the completion of the program and an overall GPA of no less than 3.0 while in the program. Students should declare their intention to seek honors and meet with the honors coordinator in their sophomore year. Students who have not declared by the second semester of their junior year are disqualified from further honors consideration. Those who have declared that they are seeking honors will be considered candidates until they fail to meet one of the program's requirements. Successful completion of an honors program is shown on the student's permanent academic record and on the diploma.

**Courses****THTR 115 Theatre Appreciation**

An introduction to the role of actors, playwrights, directors, designers, and audiences in the highly col-

laborative art of theatre. Students learn to appreciate the artistic and intellectual processes of theatre artists and to use knowledge of historical forms and traditions in order to evaluate contemporary live theatre. Students will engage in creative projects in the classroom and interact with professional theatre artists via lab work on mainstage productions. Laboratory assignments with mainstage productions. *1 unit. (FSVP)*

**THTR 119 Broadway Musical Theatre**

Survey of the Broadway musical theatre from its 19th century roots to the present day. Provides basic introduction to music theory and culminates with performance of original one-act musical(s) written and produced by class members. In addition to regular class meetings, weekly labs are held for rehearsals and presentation of special topics. (Same as Music 119.) *1 unit. (FSVP)*

**THTR 201 Stagecraft**

Technical aspects of scenery; theory and practical applications. Laboratory hours required. *1 unit. (FSVP)*

**THTR 202 Stage Lighting**

Mechanics and artistic aspects of stage lighting in theory and in practice; designing and executing light plots. Laboratory hours required. *1 unit.*

**THTR 205 Production Studies I-Fundamentals of Theatre**

Examines the meaning of art to theatre/dance and the necessity of research, while exploring the elements of acting, directing, dance, scene design, lighting, costume design, makeup, and sound design in theatre productions. The study of theatre history and theory will provide students with a framework for the analysis of text and performance. Also, students will learn methods for assembling a theatre portfolio that will represent their course work, research, and creative projects. *1 unit.*

**THTR 206 Introduction to Costume**

Introduction to role of costume designer as collaborative artist in theatre process. Survey of historical implications for design. Basic skills of costume construction. Laboratory assignments with mainstage productions. *1 unit. (FSVP)*

**THTR 210 Performing Diversity: A Cultural Odyssey**

Further understanding of minority groups in America by investigating their social condition from an experiential base. Participants will explore existing portraits and issues associated with minorities as well as connect with important notions on cultural diversity in America. Special importance will be placed on celebrating ethnic achievements and lifestyles. Plays, poetry, and other performance art forms (including cooking and dressing) will constitute significant class presentations. *1 unit. (FSVP)*

**THTR 212 Basics of Acting**

Basic methods of analysis and performance techniques necessary to generate believable human behavior on stage. Study of roots (mind/body processes), not ends of acting (performance). Class exercises to develop and discipline actor's physical, vocal, and imaginative equipment. Laboratory assignments with major productions. *1 unit. (FSVP)*

**THTR 213 Fundamentals of Stage Makeup**

Art and application of theatrical makeup, realism to fantasy. Corrective makeup; specialty makeup (aging, scars, beards, animal faces). Laboratory assignments in conjunction with all major productions. *1 unit.*

**THTR 219 Ensemble Performance**

Exploratory class which attempts to generate honest and spontaneous responses from the actor to performance and play creating circumstances. Major emphasis is placed on teamwork, the search for truth, and attaining actual potential in the art of playing. With a view to synergizing theatre activity with communal responsibility participants are encouraged to draw on issues around them and nurture creative inspiration from societal needs. Improvisation, storytelling, and multiple role playing are primary mediums for advancing the experience. *1 unit. (FSVP)*

**THTR 301 Scene Design**

Artistic aspects of stage setting in theory and in practice. Consideration of mechanical perspective, watercolor sketching, color schemes, and history of period design. Laboratory hours required. *Prerequisite:* Theatre 115, 201, 205 or permission of instructor. *1 unit. (FSVP)*

**THTR 302 Scene Painting**

Study of function of scenic artist in theory and practice. Hands-on approach to scene painting. *1 unit. (FSVP)*

**THTR 306 Production Studies II: Analysis, Conceptualization and Problem Solving**

Continues to build on the foundations established in Theatre 205, focusing more intently upon the process of preparing a play for theatrical production. Students will select a play and develop a production concept by analyzing the text, preparing the necessary dramaturgical research, and using their study of the elements of theatre to realize their production as a classroom project. The various facets of this project will serve as the core elements of a personal theatre portfolio representative of their course work, research, and creative projects. *Prerequisite:* Theatre 205. *1 unit.*

**THTR 308 Basics of Directing**

Principles and techniques of directing the realistic modern play. Case studies and scene work. One-act play prepared for production by each student. Laboratory assignments with major productions. *Prerequisite:* Theatre 205 or 212 or permission of instructor. *1 unit.*

**THTR 309 Theatre History I**

Survey of theatre history from ancient Greece to mid 18th-century Europe, with emphasis on representative plays, performance practices, and theories, as well as the cultural, economic, and political contexts from which they emerged. Lecture/discussion format. *1 unit.*

**THTR 310 Managing Performing Arts Organizations.**

(See Music 310.) *Prerequisite:* Theatre major, theatre minor, dance minor, or permission of instructor. *1 unit.*

**THTR 312 Special Topics**

Representative topics: acting for the camera, advanced courses in costume, directing, makeup, critical theory, directing, improvisation, makeup, performance theory, stage combat, documentary film making, voice and speech for the stage. Can be taken more than once for credit if topic varies. *Prerequisite:* Theatre 205 or permission of instructor. *.5-1 unit.*

**THTR 313 Theatre for Social Change I**

A studio and seminar class inspired by African and European models in Theatre for Development, a specialized field of drama focused on social development and grounded in participatory procedure. The activity involves research, analysis, scenario buildings and performance. Participants will be exposed to exercises in devising and performing work for impacting social transformation. The course will highlight issues within the immediate environment as well as the larger Richmond community, and practice will occur in both domains. *1 unit.*

**THTR 314 Theatre for Social Change II**

Designed to enable students to utilize and transfer the skills acquired in Theatre 313 into the larger community. Working in smaller groups, they are responsible for implementing and evaluating a theatre-centered project within the context of social and sustainable development. They will foster the creation of a play by community members on issues affecting their daily lives. Significant emphasis is given to cultivating an interaction with experts in related areas of concern towards galvanizing meaningful future growth in the selected community. *1 unit.*

**THTR 315 Independent Study**

Restriction: Prospectus must be submitted and approved prior to the end of advance registration. Does not count for theatre or dance minor. *Prerequisite:* Permission of instructor. *.5-1 unit.*

**THTR 319 Theatre History II**

A survey of theatre history from mid 18th-century Europe to the present, with emphasis on representative plays, performance practices, and theories, as well as the cultural, economic, and political contexts from which they emerged. Lecture/discussion format. *1 unit.*

**THTR 320 Advanced Acting: Twentieth-Century Acting Styles and Theory**

An examination of the major theories that have shaped the discourse on, and practice of, the art of acting in the 20th century. Concentrated scene study class that explores relationship between 20th-century dramatic literature and acting techniques and theories that developed to meet demands of these plays. By preparing scenes from various modern genres of theatre, acting students examine techniques and research methods necessary to unlock performance elements of the most

demanding dramas of the last 100 years. *Prerequisite:* Theatre 212 or permission of instructor. *1 unit.*

**THTR 321 History of Apparel**

Designed to give students a recognition/understanding of the evolution of clothing from the ancients to the 21st century. Beginning with the physiological and psychological reasons for clothing. Includes focus on the relationship of fashion to the social and political issues of the time period. *1 unit.*

**THTR 322 Advanced Costume Design**

Further exploration of various construction, patterning, design, research and rendering problems and the methods for solving them. Building on the techniques learned in the introductory course, students will gain a deeper understanding of the variety of methods used in problem solving, and how to know which approach is best suited to the needs of the script in question. The course will culminate in a public presentation of students' projects. *Prerequisite:* Theatre 206 or permission of instructor. *1 unit.*

**THTR 325 Script Analysis**

Systematic approach to understanding and realizing the theatrical implications of play scripts. Script study as if in preparation for mounting production. Laboratory hours required. *1 unit. (FSLT)*

**THTR 327 Acting Shakespeare I**

Introduction to methods of textual analysis and literary research necessary to prepare a Shakespearean play for performance. *Prerequisite:* Theatre 205 or 212 or permission of instructor. *1 unit.*

**THTR 328 Acting Shakespeare II**

Introduction to emotional, physical, and vocal techniques necessary for performing a Shakespearean play. Builds on work of Theatre 327 in providing students with analytical means and research methods necessary to make informed artistic decisions. *Prerequisite:* Theatre 327. *1 unit.*

**THTR 330 Practicum: Performance**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not



count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 331 Practicum: Directing/Choreography**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 332 Practicum: Stage Management**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 333 Practicum: Technical Crew**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 334 Practicum: Design**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 340 Practicum: Scenery/Props**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not

count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 341 Practicum: Costume**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 342 Practicum: Makeup**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 343 Practicum: Lighting**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor. *Prerequisite:* Permission of department. .25-1 unit.

**THTR 345 Philanthropy in the Arts**

(See Music 345; same as Art 345.) *Prerequisite:* Music/Theatre 310 or Art 322 or permission of instructor. 1 unit.

**THTR 370 Staging Gender**

Study of selected plays and theatre productions with a focus on the representations of gender and gender relations. Readings in feminist, gender, and queer theory provide critical frameworks for analyzing representations of gender as well as representations of race and class as they intersect with gender. Culminates in a staged reading of a play. 1 unit.

**THTR 380 Honors Thesis Preparation**

Research and preparation for honors thesis or project in theatre or dance. *Prerequisite:* Acceptance in the department honors program. *1 unit.*

**THTR 381 Honors Performance/Thesis**

Research and writing honors thesis or realization (including rehearsals and all drawings) of a creative honors project in theatre or dance. *Prerequisite:* Acceptance in the department honors program. *1 unit.*

**THTR 388 Individual Internship**

Practical application of theatre and dance principles and skills in supervised, out-of-class environment. Does not count for theatre major or minor or dance minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Majors and minors only; faculty approval before beginning work. *.5-1 unit.*

**THTR 407 Production Studies III-Collaboration and Production**

Requires students to form a production organization and produce a substantial play. The production will be staged at the beginning of the next semester and students will receive their final grade after successful completion. Students must select play, analyze material, provide requisite dramaturgical research, create a budget, design all visual elements, raise funds for and publicize the production, conduct rehearsals, and provide a thorough critique of the results. *Prerequisite:* Theatre 205. *1 unit.*

**WELLNESS PROGRAM*****Recreation and Wellness***

*Tracy Cassalia, Health Educator*

The wellness program, a division of student development, is responsible for the wellness graduation requirement. All students seeking a bachelor's degree must complete the requirement prior to the start of their junior year. The wellness graduation requirement consists of the following classes:

- UR Aware (WELL 085) Alcohol Awareness Program
- Plus 2 (WELL 090) a wellness topic of choice

- Plus 2 (WELL 090) a second wellness topic of choice

Each course is graded with an S or U (Satisfactory/Unsatisfactory). Students who have not satisfactorily completed WELL 085 by the end of their first year of enrollment will have an administrative hold put on their record and will not be able to register until they have made arrangements to take the class.

**Note:** Professional Development Program 312, Professional Development on Global Awareness and Inclusive Diversity, fulfills the requirement for one wellness topic.

**Courses****WELL 085 URAWARE: Alcohol Awareness****Program**

An alcohol prevention/education program designed to assist students in making positive decisions regarding alcohol issues. Students must satisfactorily complete this component of the wellness requirement their first semester on campus. Each session is a four-hour special date offering that includes activities, discussion, and personal assessment. Students are required to purchase a study guide from the bookstore prior to their session. (The wellness requirement carries no credit, but is billed at a tuition rate equivalent to .25 units of credit for the cost of instruction.) *0 units. (WEL1)*

**WELL 090 PLUS2: Wellness Topics**

The wellness topic component of the wellness graduation requirement. Students will be offered a choice of health and wellness topics every semester. Sample topics include nutrition, sexual health, relationships, and stress management. Students are required to satisfactorily complete two topics for graduation. Topic sessions run for six weeks, 90 minutes each week. Students are encouraged to complete this component of the wellness requirement before or during their sophomore year. (The wellness requirement carries no credit, but is billed at a tuition rate equivalent to .25 units of credit for the cost of instruction.) *0 units. (WEL2)*

**WELL 200 College Student Development:****Applications to Residential Life**

Theoretical and experiential study of human behavior. Emphasis on self-awareness and growth, and its application to understanding students and their lives. Attention given to leadership skills in a residential setting. *Prerequisite:* Must be a recently-selected resi-

dential life staff member or receive instructor's permission to enroll. *0 units. (WEL2)*

## WOMEN, GENDER AND SEXUALITY STUDIES

*Dorothy Holland (Theatre and Dance), Co-Coordinator*

*Ladelle McWhorter (Philosophy), Co-Coordinator*

The women, gender and sexuality studies program is grounded in a) the analysis of gender and sexuality as historically emergent concepts and regions of human experience; b) the histories of political and social movements focused on the concerns, needs, and perspectives of women and sexualities minorities; and c) the theoretical and methodological frameworks of feminist analysis across the disciplines. Working in close consultation with an advisor, students may engage in a wide range of coursework emphasizing their specific areas of interest within the interdisciplinary field.

### The Women, Gender and Sexuality Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C (2.0).

10 units, including

- WGSS 200 Introduction to Women, Gender & Sexuality Studies
- WGSS 489 Research Methods and Capstone Preparation
- WGSS 490 Senior Capstone Experience
- Seven additional units in WGSS or cross-listed courses. At least four of the seven courses must be above the 200 level, and no more than .5 unit of internship credit may be counted toward the major.

Students must develop their major course of study plan in consultation with their advisor/WGSS coordinator. Plans must be submitted in writing and kept on file. The procedure for submitting a plan can be found on the WGSS Web site.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### Related Fields

Combined major in women, gender and sexuality studies and English literature

### The Women, Gender and Sexuality Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C (2.0).

5 units, including

- WGSS 200 Introduction to Women, Gender & Sexuality Studies
- Four additional units in WGSS core or cross-listed from at least two different departments, including no more than .5 units of internship credit.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### Courses for Women, Gender and Sexuality Studies Credit

See the departmental listings for descriptions of the following courses offered for women, gender and sexuality studies credit. Courses marked with an asterisk (\*) may or may not carry women, gender, and sexuality studies credit in any given semester. Check with the instructor and the women, gender, and sexuality studies coordinator before enrolling in any course on this list. A comprehensive listing of courses is published each semester on the WGSS Web site and should be taken as the final arbiter for women, gender, and sexuality studies credit.

ANTH 300 Sexuality and Gender Across Cultures

ANTH 379 Women in the Middle East

ANTH 379 Peoples and Cultures of the Middle East

ART 324 Contemporary Art and Architecture:

Gender, Ethnicity, and Beyond

BIOL 370 Women in Science

CLSC 210 History of Early Medicine

CLSC 304 The Feminine in Greco-Roman Literature

CLSC 308 Women in Greece and Rome

ECON 232 The Economics of Gender

ENGL 203 Children's Literature

ENGL 206 Selections in American Literature: Cult Reflections\*

ENGL 206 Natural Reflections in Fiction and Nonfiction

ENGL 224 Great Novels: Deceit, Desire and the Novel\*

ENGL 225 Selected Fiction by Women

ENGL 226 Love and War in Medieval Literature

ENGL 230 Women in Modern Literature

ENGL 335 Black Women Writers

ENGL 358 African-American Women Writers

ENGL 369 American Culture/American Film

ENGL 389 Women and Creativity

FREN 451 From Romanticism to Decadence

FREN 497 ST: French Women Writers\*

GERM 471 Sexuality and German Society

GERM 472 Multiculturalism, Identity and Authorship in German Context (WGSS 379 when taught in English)

HIST 100 Abigail Adams and Her Times \*

HIST 224 European Women and Gender before Suffrage

HIST 280 Modern Africa

HIST 299 Women and Gender in Africa

HIST 300 Early American Women

HIST 304 African-American Women's History

HIST 321 History of Work in Europe

HIST 380 Women and Gender in African History

LAIS 475 Women and Writing in Latin America

LAW 740 Sexual Orientation and the Law (same as WGSS 379)

LDST 305 Leadership in Community and Volunteer Organizations

LDST 307 Leadership in International Contexts\*

LDST 386 Leadership in a Diverse Society

LDST 390 Women's Movement

LDST 390 Sex, Power, and Politics

PHIL 221 Feminist Political Theories (same as WGSS 221)

PHIL 358 Topics in Feminist Philosophy

PHIL 363 Power and Politics

PLSC 361 Politics of Social Welfare\*

PLSC 379 Women and Politics\*

PLSC 379 Power and Politics\*

PSYC 299 Diversity

PSYC 449 Advanced Seminar: Psychology of Gender\*

PSYC 449 Advanced Seminar: Gender and Relationships

RELG 253 Body/Sex in World Religious Literature

RELG 255 Queers in Religion

RELG 262 Sacred Arts of Native America

RELG 360 Goddess Traditions Ancient and Modern

RELG 373 Witchcraft and its Interpretations

RELG 374 Religion and the American Environment

RELG 375 Cults, Communes, and Utopias of Early America

RELG 394 ST: Women, Gender, Sexuality and World Religions\*

RHCS 295 Topics in Rhetoric: Doing History and Theory\*

RHCS 340 Culture and Communication

RHCS 363 Rhetoric and Culture\*

RHCS 412 Politics of Rhetoric and Diversity

RHCS 413 Rhetoric and Democracy

SOC 303 Sociology of Families

SOC 318 Social Stratification\*

SOC 319 Social Constructions of Gender and Sexuality

SOC 379 Race, Class and Gender\*

SOC 379 Gender and Work

THTR 370 Staging Gender

In addition, the courses listed below may be taken for WGSS credit if the student contracts with the professor to focus the independent work on gender or sexuality.

ART 324 Artists Looking at Artists: Anxiety, Influence, and Inspiration

ENGL 301 Literature of the Middle Ages

ENGL 303 Chaucer

ENGL 333 Literatures of South Asia

ENGL 338 English Literature - Victorian Period

ENGL 359 Contemporary American Literature

LDST 205 Justice and Civil Society

RELG 257 Native American Religions

RHCS 295 Topics in Research: Ethnology

THTR 119 Broadway Musical Theatre

THTR 309 Theatre History I

THTR 319 Theatre History II

## Courses

### WGSS 200 Introduction to Women, Gender & Sexuality Studies

Introduction to the broad, interdisciplinary field of women, gender, and sexuality studies. Special attention will be paid to the meaning and history of the

terms “gender” and “sexuality” and to the political movements mobilized around those terms. Students will read both contemporary and historical materials and both primary and secondary sources. *1 unit.*

**WGSS 201 WILL Colloquium: Gender, Race and Activism**

Introductory course of the WILL Program. Examines the intersections of gender, race, ethnicity, class, and sexuality in women’s lives with particular focus on an analysis of social justice activism and strategies for social change. *Prerequisite:* Enrollment in the WILL Program. *1 unit.*

**WGSS 221 Feminist Political Theories**

(See Philosophy 221.) *1 unit.*

**WGSS 250 Politics of the Body**

Examines both historical and contemporary interdisciplinary material on the body. Special attention will be paid to examining images of the body in contemporary popular culture and long-standing historical connections between medicine, technology, and the body, such as eugenics movements. *1 unit.*

**WGSS 280 Women and Work**

Examines women’s work and the struggle to achieve balance between work and personal life from a theoretical, historical, and comparative perspective, focusing on women in the United States, but placing their labor in a global socioeconomic context. Historical studies of women’s labor in the past are used to provide a framework for understanding women’s challenges in the workplace today. *1 unit.*

**WGSS 301 WILL Senior Seminar**

Capstone course for the WILL program. *Prerequisite:* WILL program participant. *.5 unit.*

**WGSS 302 Women and the Law**

Traditional and contemporary relationship of women to the law. Includes study of legal history and of factors bearing on women’s legal status. *1 unit.*

**WGSS 303 Women in Television: Representations, Images and Stereotypes**

Examination of female roles in television drama, comedy, and advertising. Content analysis of selected programs and ads reflecting television history to reveal

patterns of representation of women against a background of social attitudes and political actions. *1 unit.*

**WGSS 379 Selected Topics**

Varying issues of current relevance and importance to women’s studies. May be repeated for credit if topics differ. *1 unit.*

**WGSS 388 Individual Internship**

No more than .5 units of internship may be applied to the women, gender, and sexuality studies major or minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. *Prerequisite:* Permission of department. *.5-1.5 units.*

**WGSS 398 Independent Study**

Pass/fail grading may be designated by department for certain enrollments. *Prerequisite:* Permission of department. *.5-1 unit.*

**WGSS 399 Topics in Advanced Feminist Theory**

Selected topics in advanced feminist theory. Topics vary by semester and will focus on specific applications of feminist theories in a variety of disciplines. Topics may include feminist literary and film theory, feminist materialist/economic theories, and feminist social theories. *1 unit.*

**WGSS 489 Research Methods and Capstone Preparation**

A seminar for women, gender, and sexuality studies majors in which students will hone research skills, review theoretical material in the discipline, and prepare a research or creative-project proposal for their capstone experience. Proposals will be presented for approval to a panel of women, gender, and sexuality studies faculty. *Prerequisites:* Women, Gender and Sexuality Studies 200 and department approval. *1 unit.*

**WGSS 490 Senior Capstone Experience**

An independent research or creative project approved the previous semester by a panel of women, gender, and sexuality studies faculty and undertaken under the direction of a faculty mentor supervised by the women, gender, and sexuality studies coordinator. *Prerequisite:* Women, Gender and Sexuality Studies 489. *1 unit.*

# Robins School of Business

## Academic Programs

### Mission

The mission of the Robins School of Business is to develop an active learning community in which teaching, scholarship, and service are integrated to stimulate intellectual inquiry as the foundation for responsible leadership in the global business environment.

### Bachelor of Science in Business Administration

The Robins School of Business offers the degree of Bachelor of Science in Business Administration (B.S.B.A.). Within this degree, there are three majors: accounting, business administration, and economics. All business administration majors must choose one primary area of concentration. Students may choose a primary concentration in the areas of finance, economics, marketing, management, or international business. In addition, students may electively choose a second area of concentration in accounting or from those listed above.

Candidates for a B.S.B.A. must:

1. Satisfy the general degree requirements for graduation;
2. Complete the following pre-business courses:
  - ACCT 201 Fundamentals of Financial Accounting
  - ACCT 202 Fundamentals of Managerial Accounting
  - ECON 101 Principles of Microeconomics
  - ECON 102 Principles of Macroeconomics
  - BUAD 201 Statistics for Business and Economics I
  - BUAD 203 Software Tools and Applications
  - BUAD 205 Business Communication
  - MATH 211 Calculus I, or MATH 231 Scientific Calculus I
3. Complete the following core courses except as noted:
  - MKT 320 Principles of Marketing
  - MGMT 330 Organizational Behavior

- MGMT 340 Operations Management
  - FIN 360 Principles of Financial Management
  - BUAD 301 Statistics for Business and Economics II (must be completed by the end of junior year)
  - BUAD 391 Essentials of Information Technology (not required of accounting majors)
  - BUAD 392 Ethical, Social and Legal Responsibilities of Business
  - BUAD 497 Strategic Management
4. Maintain at least a 2.00 overall grade point average in school of business coursework;
  5. Earn 17 units outside the Robins School of Business except for majors in economics or accounting;
  6. Complete the requirements of one of the following major fields: accounting, business administration or economics.

### Majors

- Accounting
- Business Administration
- Economics

### Minors

- Business Administration

### Concentrations

- Accounting
- Economics
- Finance
- International Business
- Management
- Marketing

### Interdisciplinary Programs

The following interdisciplinary programs are available through the School of Arts and Sciences:

- International Studies: International Economics
- Mathematical Economics
- French/International Business
- German/International Business
- Italian/International Business
- Latin American and Iberian Studies/International Business

## Study Abroad

All Robins School of Business students, even those not concentrating in international business, are encouraged to apply for study abroad. The Robins School enjoys relationships with leading business schools throughout the world. In accordance with University policy, credits will be transferred only from partner institutions or preapproved study programs. While studying abroad, students must complete a course that focuses on culture/society, history, political system, or economy of the host school's country or region. Students studying in a country where the native language is not English are required to participate in the host school's or other preapproved pre-semester language course, whether offered for credit or not. Students may complete no more than two courses in the same field. For example, a student may take no more than two marketing courses or two finance courses. Students may complete no more than two business school core courses while abroad. The associate dean for international programs may grant exemptions to this policy in extreme circumstances and/or for students studying abroad for an entire academic year.

## Honors Program

Outstanding students with intellectual initiative and the desire to pursue academic achievement beyond standard coursework have the opportunity to broaden and deepen knowledge in selected major fields through the honors program. Departmental honors coordinators invite promising qualified majors to apply, but an interested student may contact his or her major department or the faculty committee on the honors program to indicate interest and obtain further information. To qualify, a student should have at least a 3.30 cumulative grade point average, 18 or more units completed and, excluding coursework primarily for first-year students, 3.5 or more units completed with distinction in the major field. Successful completion of an honors program is shown on the student's permanent academic record and on the diploma.

## Curricula

- Accounting
- Business Administration
- Economics
- Finance
- International Business
- Management
- Marketing

Where the course numbers for a two-semester course are separated by a hyphen, generally either half of the course may be taken independently for credit and in any order unless a prerequisite is stated.

### General Prerequisites for All Courses in the Robins School

Except by permission of the dean, Accounting 201-202, Economics 101-102, and Business Administration 201, 203, and 205 are prerequisites to all other courses in the Robins School of Business. The business minor program requires a student to complete Accounting 201-202 and Economics 101-102 prior to taking any other business class. Accounting 202 is not a prerequisite for Business Administration 301. Accounting 202 may be taken simultaneously with Marketing 320, Management 330 and 340, Finance 360, and/or Business Administration 391 and 392.

## ACCOUNTING

*Carol Lawrence, Chair*

*Professor Geiger*

*Associate Professors Clikeman, Hoyle, Lawrence,*

*Sanborn, Slaughter, Vondrzyk, Walden*

### Mission

The mission of the accounting department of the Robins School of Business is to achieve and maintain a reputation for excellence in accounting education at the undergraduate level by combining superior instruction with relevant supporting intellectual inquiry and supportive practical experience, and to provide appropriate graduate experiences to enhance the goal of liberally educated professionals.

## The Accounting Major

**Note:** A grade point average of no less than 2.0 in the accounting coursework comprising the major is required.

21.5 units, including

- The pre-business curriculum outlined above
- The business core curriculum outlined above
- ACCT 301-302 Intermediate Financial Accounting I, II
- ACCT 305 Cost and Managerial Accounting
- ACCT 307 Accounting Information Systems
- ACCT 311 Advanced Financial Accounting
- ACCT 312 Federal Taxation
- ACCT 317 Auditing

Substitutions in the accounting major are permitted if approved by the chair of the accounting department.

## The Accounting Concentration

The accounting concentration is available only to students enrolled full time in the Robins School of Business with another concentration in economics, finance, international business, management, or marketing.

A minimum of four courses and maximum of six courses in addition to the pre-business and business core described above, chosen from

- ACCT 301 Intermediate Financial Accounting I (required)
- Three to five courses additional, chosen from  
ACCT 302 Intermediate Financial Accounting II  
ACCT 305 Cost and Managerial Accounting  
ACCT 310 Financial Statement Analysis  
ACCT 311 Advanced Financial Accounting  
ACCT 312 Federal Taxation  
ACCT 313 Advanced Federal Taxation  
ACCT 315 International Accounting Issues  
ACCT 316 Advanced Managerial Accounting  
ACCT 317 Auditing  
ACCT 318 Advanced Auditing

**Notes:** ACCT 301 is required in the concentration. ACCT 307 cannot be used for the concentration. Some of the accounting courses are not offered every semester or every year. Many of the upper-level accounting courses have prerequisites that should be taken into account when planning your curriculum.

## Courses

### ACCT 201 Fundamentals of Financial Accounting

Basic theory, concepts, and procedures necessary to develop and interpret financial (external) accounting reports. *1 unit.*

### ACCT 202 Fundamentals of Managerial Accounting

Basic theory, concepts, and procedures necessary to develop and interpret managerial (internal) accounting reports. *Prerequisite:* Accounting 201. *1 unit.*

### ACCT 301-302 Intermediate Financial Accounting I-II

Instruction on technical development of primary aspects of the income statement, balance sheet, and statement of cash flows. Teaching methodologies include group work, class discussion, computer and written assignments, problem-solving exercises, and a community volunteer project, as well as traditional lectures. *Prerequisite:* Accounting 202. Accounting 301 is prerequisite to 302. *1-1 unit.*

### ACCT 305 Cost and Managerial Accounting

Study of effective product and service costing and use of accounting information for effective planning and control decisions, with emphasis on world-class organizations. *1 unit.*

### ACCT 307 Accounting Information Systems

Introduction to information systems with specific emphasis on relational databases, business processes, information systems related risk, and internal controls. *1 unit.*

### ACCT 310 Financial Statement Analysis

Instruction in analyzing financial statements to evaluate an organization's profitability, liquidity, capital structure, and cash flows. Examination of how management's discretionary accounting choices affect earnings quality. *Prerequisites:* Accounting 202 and Finance 360. *1 unit.*

### ACCT 311 Advanced Financial Accounting

Specialized problem solving in accounting for partnerships and not-for-profit units. Accounting for business combinations and consolidations. *Prerequisite:* Accounting 301. *1 unit.*



**ACCT 312 Federal Taxation**

Introduction to U.S. Federal taxation of business enterprises in the United States. Subjects covered include a determination of taxable income, exclusions, deductions, and credits. Will include a brief overview of individual taxation. *1 unit.*

**ACCT 313 Advanced Federal Taxation**

Expanded study of federal tax laws affecting the various corporate entities, partnerships, estates, and trusts. Will also cover additional topics involving individual taxation. *Prerequisite:* Accounting 312. *1 unit.*

**ACCT 315 International Accounting Issues**

Survey of comparative accounting principles with major trading partners, problems in international performance evaluation, transfer pricing, and tax minimization issues for multinational corporations. Stresses decision making for multinational companies through the case approach. *Prerequisite:* Accounting 202. *1 unit.*

**ACCT 316 Advanced Managerial Accounting**

Expanded study of managerial accounting and the use of accounting information for strategic management. Topics covered include environmental costing, activity-based management, target costing, capacity costs, and accounting for lean operations. *Prerequisite:* Accounting 202. *1 unit.*

**ACCT 317 Auditing**

Professional standards for evaluating and reporting on financial statements, and the ethical, legal, and competitive environment of auditing. *Prerequisite:* Accounting 302. *1 unit.*

**ACCT 318 Advanced Auditing**

Specialized audit topics including operational and compliance audits, attestation engagements, statistical sampling, use of generalized audit software, audits of computer systems, and work paper preparation. *Prerequisite:* Accounting 317. *1 unit.*

**ACCT 320 Selected Topics**

Examination of major accounting or auditing area not covered in other courses. Uses case/seminar approach. *Prerequisite:* Permission of instructor. *.5-1 unit.*

**ACCT 328 Directed Independent Study**

Independent research on an accounting topic conducted under the direct supervision of an instructor. *Prerequisite:* Permission of instructor. *.5-1 unit.*

**BUSINESS ADMINISTRATION**

*Faculty from all departments in the Robins School of Business provide instruction in this area.*

**The Business Administration Major**

In addition to the requirements for the B.S.B.A. degree outlined above, all business administration majors must complete a concentration. The concentration area requires four courses minimum chosen from a single Robins School of Business department. A maximum of six courses can be taken in any area of concentration. No more than two courses of the concentration may be required by a department. While some concentrations offer curriculum tracks, it is not necessary to follow a track.

Business administration majors must choose a concentration from the following areas: accounting, economics, finance, international business, marketing, or management. A concentration in accounting is always a secondary concentration to a primary concentration or major.

Electives: Sufficient units to complete degree requirements over and above other major requirements. At least 17 units must be taken outside the Robins School of Business.

**The Business Administration Minor**

9 units, including

- ACCT 201 Fundamentals of Financial Accounting
- ACCT 202 Fundamentals of Managerial Accounting
- ECON 101 Microeconomics
- ECON 102 Macroeconomics
- BUAD 201 Statistics for Business and Economics I
- MKT 320 Principles of Marketing
- MGMT 330 Organizational Behavior
- MGMT 340 Operations Management
- FIN 360 Principles of Financial Management

The business minor student should complete the Accounting 201-202 and Economics 101-102 requirements prior to enrolling in any other business administration course.

**Note:** There is no business administration concentration area.

## Courses

### **BUAD 101 Introduction to Business**

Multidisciplinary course that exposes student to functional areas of business. Focus on acquiring understanding of language and structure of business through study of its functional components: accounting, economics, finance management, and marketing. (Open to first- and second-year students only.) *1 unit.*

### **BUAD 201 Statistics for Business and Economics I**

Theory, methodology, and applications of statistics to contemporary business problems. Includes descriptive statistics, probability theory, discrete and continuous probability distributions, sampling distributions, and one- and two-population statistical inference. *1 unit.*

### **BUAD 203 Software Tools and Applications**

Laboratory course providing introduction to software packages with applications for business decision making. Emphasis on understanding spreadsheet applications, but includes sessions on word processing and graphics software and database searches. (Open to first- and second-year students only.) *.5 unit.*

### **BUAD 205 Business Communication**

Provides the student with a basic understanding of communication processes in the business environment. Practical experience is gained in written and oral communication as well as small group and interpersonal communication within the business perspective. *.5 unit.*

### **BUAD 301 Statistics for Business and Economics II**

Theory, methodology, and applications of statistics to contemporary business and economics problems. Includes statistical inference review, analysis of variance, correlation, regression, and selected other topics. *Prerequisites:* Economics 101-102 and Business Administration 201. *1 unit.*

### **BUAD 389 Directed Independent Study**

Specialized study or directed research in area of business or economics. *Prerequisite:* Permission of instructor. *.5-1 unit.*

### **BUAD 391 Essentials of Information Technology**

Introduction to how computerized information technology supports today's businesses and various functional areas of business. Includes telecommunications, IT development approaches, management of technological changes, and ethical responsibilities of information management. Some use of micro-computer systems software and e-mail, with specific assignments changing to reflect current trends and issues. *1 unit.*

### **BUAD 392 Ethical, Social and Legal Responsibilities of Business**

Ethical and legal issues in business world are discussed and analyzed from a philosophical, historical, legal, and behavioral approach. Current ethical and legal cases serve to highlight changing value choices and resulting consequences, as well as legal problems experienced by business people. *1 unit.*

### **BUAD 396 Advanced Business Law**

Principles of law relating to Uniform Commercial Code; emphasis on sales, commercial paper, secured transfers, banking laws, bailments, and documents of title. Other areas covered include real and personal property laws, insurance law, and trusts and estates. *Prerequisite:* Business Administration 392. *1 unit.*

### **BUAD 497 Strategic Management**

Analysis of strategic business problems. Case method to develop decision-making ability in policy formulation and administration. *Prerequisites:* Business Administration 301, Marketing 320, Management 330 and 340, and Finance 360. *1 unit.*

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## ECONOMICS

### *Department of Economics*

*Robert M. Schmidt, Chair*

*Professors Dolan, McGoldrick, Schmidt, Wight*

*Associate Professors Cook, Craft, Croushore, Dean,*

*Monks, Nicholson, Yates*

*Assistant Professors Asaftei, Buyukkarakacak, Datta,*

*Mykhaylova*

*David Meade White Distinguished Teaching Fellow*

*Dolan*

## The Economics Major for the Bachelor of Science in Business Administration Degree

**Note:** A grade point average of C (2.00) is required in the major with no course grade below a C- (1.7) in an economics course required for the major.

9 courses in addition to the pre-business and business core curricula outlined above, including

- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 271 Microeconomic Theory
- ECON 272 Macroeconomic Theory
- Four units of economics electives (at least two of which must be at the 300 level)
- ECON 480 Senior Capstone Seminar or ECON 491 Honors Thesis in Economics

**Note:** Majors are strongly encouraged to take Economics 101 and 102 during their first year, and Economics 271 and 272 during their second year. A basic foundation in calculus (e.g., Math 211) is required for Economics 271.

Students may plan their course load to pursue a general major in economics or to study a specific area in economics. Voluntary elective fields have been developed in the areas of business economics, international economics, economic history, public policy, and quantitative economics. Students are encouraged to speak with their academic advisor about the options available to them. Students interested in pursuing a graduate degree in economics are encouraged to seek advice concerning the honors program in economics, the mathematical economics major, and/or taking MATH 235 Multivariate Calculus, MATH 312 Differential Equations, and MATH 245 Linear Algebra.

## The Economics Concentration (for Business Administration majors only)

The economics concentration is composed of four to six courses of economics electives at the 200 and 300 levels. While no specific courses are required, students are encouraged to coordinate their courses to meet their professional objectives. Electives are grouped into the following areas: business economics, international economics, economic history, public policy, quantitative economics, and intermediate theory.

## Courses

### ECON 101 Principles of Microeconomics

Provides students with the analytical perspective to think critically about the market system and social objectives it may serve. Topics include supply and demand, market structure, production, market failure (e.g., pollution), and benefits and costs of government intervention. *1 unit. (FSSA)*

### ECON 102 Principles of Macroeconomics

The study of national income determination within a global economy. Topics include inflation, unemployment, GDP determination, money supply, balance of payments, currency markets, and role of fiscal and monetary policies. Students who have not taken Economics 101 should notify their instructor on the first class day and will be required to spend extra time outside of class on supply and demand. *Prerequisite:* Economics 101 is recommended but not required. *1 unit.*

### ECON 105 Introduction to Global Economics

Survey of international economic issues for nonmajors. The U.S.'s role in the global economy is covered analytically, historically and institutionally, with special attention given to balance of payments analysis, exchange rate determination, gains from trade, trade policy, the IMF, GATT, and other topics. *Note:* This course has no prerequisites and fulfills no prerequisites for other economics or business courses. Cannot be used as an elective towards the arts and sciences or business school economics major or towards the business administration major. *1 unit.*

### ECON 200 The Economics of Money, Banking and Financial Markets

Role and functions of money; operation of financial institutions; structure and influence of Federal Reserve System; effects of money and credit on economic activity. *Prerequisites:* Economics 101 and 102. *1 unit.*

### ECON 210 The Economics of the European Union

Comparative analysis of European and United States' economics systems, including a review of the evolution of the European Union. Although the scope of the course is primarily European, Japan and China also are studied. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 211 Economic Development in Asia, Africa and Latin America**

Comparative analysis of economic growth, income and wealth distribution, trade and finance, population, agriculture, and industrialization in Latin America, Africa, and Asia. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 220 History of Economic Thought**

Survey of development of economic analysis with emphasis on contributions from Adam Smith through J.M. Keynes. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 221 American Economic History**

Use of economic theory and methods to study American history with special emphasis on economic growth. Topics include Native American development up to the arrival of Europeans, transportation revolutions, slavery, agriculture and monetary controversies in the late 19th century, health and nutrition, immigration, technological change, the Great Depression and New Deal, and civil rights. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 230 Environmental Economics**

Development and application of economic principles to understand and evaluate causes and solutions to environmental problems such as pollution and conservation. Topics include economics of biodiversity protection, global warming, natural resource damage assessment, measurement of environmental values, and alternative strategies for pollution control. Special attention given to optimal use of exhaustible and renewable natural resources. (Same as Environmental Studies 230). *Prerequisite:* Economics 101. *1 unit.*

**ECON 231 Law and Economics**

Application of economic analysis to legal concepts. Using goals of efficiency and wealth maximization, shows how economic theory can unify property law, contract law, tort law, criminal law, and family/sex law, as well as offer new insights to old problems. *Prerequisite:* Economics 101. Business Administration 301 or Mathematics 119 encouraged. *1 unit.*

**ECON 232 Women and Gender Issues in Economics**

Designed to point out differences in economic circumstances of men and women. Topic discussions

include educational attainment, labor market participation decisions, joblessness, poverty, and associated policy. Different theoretical explanations (neoclassical, Marxist, institutionalist, and feminist) are covered and students evaluate rationale for each theory. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 260 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues. *Prerequisites:* Economics 101 and 102. *.5-1 unit.*

**ECON 269 Independent Study**

Specialized study or directed research in an area of economics. *Prerequisites:* A written outline worthy of academic credit and permission of departmental chair. *.5-1 unit.*

**ECON 271 Microeconomic Theory**

Theory of price determination in both output and input markets; in-depth analysis of behavior of individual consumers, firms, and industries under various market structures; theories of exchange and distribution. *Prerequisites:* Economics 101 and 102 and Mathematics 211 or 231. *1 unit.*

**ECON 272 Macroeconomic Theory**

Theory of national income determination; short/medium-run monetary and fiscal policy issues are examined using Keynesian and New Classical models; long-run analysis focuses on recent extensions of the neoclassical growth model. *Prerequisites:* Economics 101 and 102. *1 unit.*

**ECON 300 Industrial Organization and Public Policy**

Designed to identify features of industries with various degrees of competition. Issues to be explored include: identifying dominant firm, tight or loose oligopoly, competitive and monopoly industries; product vs. geographic markets; technological innovations; collusion, product differentiation; mergers; advertising; efficiency; price discrimination; etc. In addition, antitrust policies will be reviewed as they pertain to these issues. *Prerequisites:* Economics 101, 102, and 271. *1 unit.*

**ECON 310 International Trade and Finance**

Introduction to basic argument for free trade with emphasis on general equilibrium analysis; survey of trade restrictions including theory on tariffs, quotas,

subsidies and preferential trade agreements; international monetary theory; determination of exchange rates in spot and forward markets; extension of national income model to international markets. *Prerequisite:* Economics 271. *1 unit.*

### **ECON 330 Environmental and Resource Economic Theory**

A rigorous treatment of environmental and resource issues, with particular emphasis on problem of designing appropriate institutions and regulations under uncertainty. Topics include emission fees and marketable permits; enforcement, risk regulation, the economics and regulation of the fishery; depletion of nonrenewable resources; and forest use. (Same as Environmental Studies 330.) *Prerequisites:* Economics 101, 102, and 271. *1 unit.*

### **ECON 331 Labor Economics**

Economic analysis of labor markets including labor supply, investment in human capital, labor demand, and wage determination. Policy issues include labor unions, discrimination, and analysis of government programs affecting labor markets. *Prerequisites:* Economics 101, 102, and 271. *1 unit.*

### **ECON 332 Public Economics**

Economic analysis of government spending and taxation with particular emphasis on current public policy issues (e.g., social security, healthcare, and fundamental income tax reform). *Prerequisites:* Economics 101, 102, and 271. *1 unit.*

### **ECON 333 Federal Reserve Challenge Preparation**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Students prepare for the Fed Challenge, competing for a position on the team based on their knowledge of current events, the determinants of monetary policy, and communication skills. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund. *Prerequisites:* Economics 200 or 272 and permission of instructor. *.25 unit.*

### **ECON 334 Federal Reserve Challenge Competition**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Select students prepare and present a mock policy briefing in the

Fed Challenge competition at the Federal Reserve Bank of Richmond. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund. *Prerequisites:* Economics 200 or 272 and permission of instructor. *.25 unit.*

### **ECON 340 Econometrics**

Development of the theory, methodology, and application of econometric topics of the classical linear regression model as well as model extensions including dummy and limited dependent variables, time-series analysis, forecasting, and simultaneous equation systems. Excel, SPSS, and SAS are used in weekly computer lab sessions. *Prerequisites:* Economics 101 and 102 and Business Administration 301 or Mathematics 330. *1 unit.*

### **ECON 341 Mathematical Economics**

Examines various economic concepts by means of mathematical analysis. *Prerequisites:* Economics 101, 102, and 271 and Mathematics 212 or 232. *1 unit.*

### **ECON 360 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues. *Prerequisite:* A core course to be announced. *.5-1 unit.*

### **ECON 369 Independent Study**

Specialized study or directed research in an area of economics. *Prerequisites:* Economics 271 and/or 272, a written outline worthy of advanced credit and permission of departmental chair. *.5-1 unit.*

### **ECON 372 Advanced Macroeconomics**

Examination of selected topics in macroeconomics beyond the basic theory level covered in Economics 272. Topics may include forecasting; time-series econometrics; growth theory; analysis of dynamic, stochastic general-equilibrium models; and open-economy macroeconomics. *Prerequisites:* Economics 272 and Business Administration 301. *1 unit.*

### **ECON 480 Senior Capstone Seminar**

Utilizes theoretical and applied economic models from previous economics courses. Semester assignments guide students through a major research project of one of the following forms: contemporary economic analysis, historical economic analysis, viewpoints in economic analysis, or quantitative economic analysis.

Students develop an economic question; gain access to existing knowledge; demonstrate command of existing knowledge; use existing knowledge to explore an issue of interest; understand the steps to complete a substantial research project; and sharpen written communication skills. Participation in the honors program fulfills the capstone requirement. *Prerequisites:* Economics 271 and 272, Business Administration 301, and senior standing. *1 unit.*

### **ECON 490 Honors Seminar in Economics**

Honors seminar. *Prerequisite:* Departmental invitation. *1 unit.*

### **ECON 491 Honors Thesis in Economics**

Capstone independent research project and honors paper. Participation in the honors program fulfills the capstone requirement. *Prerequisite:* Departmental invitation. *1 unit.*

## **FINANCE**

*John Earl, Chair*

*Professors Fishe, Stevens*

*Associate Professors Arnold, Conover, Earl, Lancaster, North, Szakmary*

### **The Finance Concentration**

The finance concentration requires a minimum of four courses chosen from among the finance courses in addition to the pre-business and business core requirements outlined above. A maximum of six courses can be taken in any area of concentration. The finance concentration offers optional curriculum tracks.

#### **Finance Concentration Program Tracks (suggested courses and sequences)**

##### **1. CFA Track (emphasis on investments and securities)**

- FIN 366 Investments
- FIN 462 International Financial Management
- FIN 466 Fixed Income and Derivative Securities
- FIN 467 Portfolio Management and Analysis
- FIN 468 Student-Managed Investment Fund (senior year)

#### *Suggested Supporting Courses:*

- ACCT 320 Financial Statement Analysis

- ECON 200 The Economics of Money, Banking and Financial Markets
- FIN 461 Cases and Financial Modeling

##### **2. Corporate Finance Track (Emphasis on Cash Management/Corporate Finance)**

- FIN 361 Corporate Finance
- FIN 366 Investments
- FIN 461 Cases and Financial Modeling
- FIN 462 International Financial Management
- FIN 464 Essentials of Cash Management (senior year)

#### *Suggested Supporting Courses:*

- ACCT 301-302 Intermediate Financial Accounting I-II
- ACCT 320 Financial Statement Analysis
- ECON 200 The Economics of Money, Banking and Financial Markets

#### **Notes:**

- Students planning to enroll in Finance 468 should complete Finance 366 during their junior year.
- Program tracks do not affect the finance concentration requirements of the B.S.B.A. degree.
- IBUS students taking Finance 462 and concentrating in finance need only three additional courses in finance.

### **Special Opportunities and Graduate Work Preparation**

Students are encouraged to speak to their academic advisors about special opportunities in programs such as the Student-Managed Investment Fund; Chartered Financial Analyst Student Program; Federal Reserve Challenge; Investments Club; and Business Conditions and Analysis Review.

Students interested in graduate work should consider taking ECON 340 Econometrics. In addition, a math minor or a combination of MATH 212 Calculus II; MATH 235 Multivariate Calculus; MATH 245 Linear Algebra; MATH 329 Probability; and MATH 330 Mathematical Statistics would be especially helpful for students interested in pursuing a Ph.D. in finance.

### **Courses**

#### **FIN 200 Personal Finance**

Major changes in financial institutions, new methods of borrowing, expanded insurance products, and new

investment vehicles that have changed how we live our lives and organize our finances. Personal finance addresses all of the major personal financial planning problems that individuals and households are expected to encounter, including how to set savings goals, assess career choices, use banking, credit and other financial services, make good investment decisions, and compare insurance products. This course does not count towards the finance concentration. *1 unit.*

### **FIN 360 Principles of Financial Management**

Analysis and examination of financing, investment, and dividend decisions of business organizations. Financial management in the global environment. *Prerequisites:* Accounting 201, Economics 101-102, and Business Administration 201 (BUAD 201 may be taken concurrently). *1 unit.*

### **FIN 361 Corporate Finance**

The study of theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. The goal is for the student to become thoroughly competent in areas of financial mathematics, capital budgeting analysis, and capital structure theory. Topics covered include decision tree analysis, sensitivity analysis, non scale-enhancing projects, dividend policy, rights offerings, call policy, warrants, convertible debt, international corporate finance, financial distress, and financial planning. *Prerequisite:* Finance 360. *1 unit.*

### **FIN 363 Risk Management and Insurance**

Risk management, principles and theory of insurance, personal and business needs served by insurance. *Prerequisite:* Finance 360. *1 unit.*

### **FIN 366 Investments**

Security markets, investment theory, security valuation and selection. Application of investment concepts. International, derivative, and option markets. *Prerequisite:* Finance 360. *1 unit.*

### **FIN 368 Directed Independent Study**

Independent research on a finance topic conducted under the direct supervision of an instructor. Does not count as one of the required finance concentration courses unless written permission is obtained from the department chair in advance. *Prerequisite:* Permission of instructor. *.5-1 unit.*

### **FIN 369 Selected Topics in Finance**

Topics depend on mutual interests of instructor and students. Intended primarily as elective for finance and business administration students. *Prerequisites:* Finance 360 and permission of instructor. *.5-1 unit.*

### **FIN 461 Cases and Financial Modeling**

Case study analysis of corporate financial policies and strategies. Includes development of spreadsheet-based models to analyze corporate financial strategies and valuation issues and an investigation into measuring and managing the value of companies. *Prerequisite:* Finance 360, senior standing or permission of department. *1 unit.*

### **FIN 462 International Financial Management**

Focuses on study and analysis of financial markets confronting globally oriented firms. Currency markets, international capital markets, risk exposure, risk management techniques, and valuation principles in global economy. Emphasis on application of financial management principles for multinational firms. *Prerequisite:* Finance 360, senior standing, or permission of department. *1 unit.*

### **FIN 464 Essentials of Cash Management**

Focuses on fundamental knowledge and skills required for treasury and working capital management. Topics include current developments in treasury management, banking deregulation, and international cash management. Course has an emphasis on decision-making and company valuation. *Prerequisites:* Accounting 201 and 202, Business Administration 391, Finance 360, and senior standing or permission of department. *1 unit.*

### **FIN 465 Technical Analysis**

Involves study of supply and demand through data generated by the action of markets and through the study of psychology and behavior of the various market participants. Will cover basic tools of technical analysis including the Dow theory, techniques of chart construction and interpretation, momentum and cycle studies, relative strength, industry group analysis, investor sentiment, contrary opinion, and intermarket relationships. Emphasis will be placed on practical application of these tools to the investment decision-making process for both the short- and long-term. Studies will be taken from both historical and real-time situations. *Prerequisite:* Finance 360. *1 unit.*

**FIN 466 Fixed Income and Derivative Securities**

Focuses on institutional features, pricing, risk management in fixed income, futures, option, and swap markets. Fixed income topics include bond sectors and yield spreads, arbitrage-free valuation, forward rates and term structure theories, and interest rate risk. Derivatives topics include futures pricing, option payoffs and strategies, option pricing, option sensitivities and hedging, and swaps. *Prerequisite:* Finance 366. *1 unit.*

**FIN 467 Portfolio Management and Analysis**

Analyzing financial data and analysis of securities. Selection of securities and portfolios to meet investment objectives and measure portfolio performance. International dimensions of portfolio management and risk/return matrix. *Prerequisite:* Finance 366, senior standing, or permission of department. *1 unit.*

**FIN 468 Student-Managed Investment Fund**

Authority and attendant responsibilities of managing part of University of Richmond's endowment fund. Initial value of portfolio was \$200,000. Enrollment is open to seniors only and is limited. Students enroll in fall semester for two consecutive semesters with grade awarded at end of spring term. Does not count towards the finance concentration. *Prerequisites:* Finance 366 and permission of department. *Corequisite:* Finance 467. *1 unit.*

## INTERNATIONAL BUSINESS

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*Thomas J. Cossé, Associate Dean for International Business Programs*

### The International Business Concentration

International business issues are covered throughout the Robins School curriculum. However, some students wish to study international business in greater depth. For these students, the international business concentration is offered. Students concentrating in international business must complete the standard set of courses required of all Robins School students. These courses provide the foundation upon which the business program is built. Students with an international business concentration must satisfy international knowledge and international experience requirements.

A grade of C or better must be earned in each course used to meet international knowledge requirements.

### International Knowledge Requirements

These requirements consist of international business knowledge and international cultural and social knowledge.

International Business Knowledge, five courses, including

- IBUS 381 International Business Environment
- IBUS 411 International Business Strategy
- One course chosen from
  - ACCT 315 International Accounting Issues
  - FIN 462 International Financial Management
- One course chosen from
  - MKT 325 International Marketing
  - MGMT 333 International Management
  - IBUS 390 International Business Issues
- One international economics course chosen from
  - ECON 210 Comparative Economic Systems
  - ECON 211 Economic Development in Asia, Africa and Latin America
  - ECON 310 International Trade and Finance

*Note: One course in international business knowledge from accounting, finance, marketing or management can apply to a second concentration.*

International Cultural and Social Knowledge, two courses, including

- One course with an international focus from art history, philosophy, foreign literature, classics, music, or religion
- One unit with an international focus from anthropology, geography, history, international studies, political science, or sociology

### International Experience Requirements

The international experience requirements consist of cultural experiences and a work experience.

1. International Cultural Experience: Students concentrating in international business must complete two of three international cultural experiences:
  - Successfully complete an approved university-level program of study in a foreign country;



- Demonstrate proficiency in a second language. This may be done by earning a grade of C or better in a commercial language course (e.g., FREN 306 French at Work, LAIS 306 Spanish in Business) or in a 300-level conversation course (e.g., ITAL 301 Italian Conversation, RUSN 301 Russian Conversation), or by earning a satisfactory score on an appropriate language proficiency examination;
  - Live in another country for at least 12 continuous weeks other than study abroad experience.
2. International Work Experience: An international work experience is required for the international business concentration. This requirement may be met by completing an approved internship in the U.S. in an organization's international section, or by working in an organization located outside the U.S.

*Notes: Subject to prior approval of the director of International Business Programs, working abroad may satisfy both the international work experience requirement and one of the two international cultural experience requirements.*

## International Business and Modern Literatures and Cultures Options

Four programs are offered in conjunction with the Department of Modern Literatures and Cultures. These programs are designed for students who wish to double major in business administration with an international business concentration and in French, German, Italian, or Latin American and Iberian studies. Additional information may be obtained from the Department of Modern Literatures and Cultures or the Department of Latin American and Iberian Studies.

### 1. The French Major/International Business Option

9.5 courses in addition to completing all requirements of the international business concentration for the business administration major, including

- Three 300-level courses (at least one FSLT), normally taken prior to study abroad
- Two 400-level seminars following required study abroad
- FREN 498-499 Senior Project I and II

- One semester full-time study at an approved business school (with all-French curriculum) in a French-speaking country (four courses)

The program consists of a rigorously structured curriculum that includes at least one semester abroad at one of the University's partner institutions with an all-business curriculum (for example Université Paris IX Dauphine, Institut de Formation Internationale-Groupe ESC Rouen, or EPSCI Groupe ESSEC-Cergy-Pontoise). While abroad, students continue their Robins School international business concentration in a French environment with French and other international students.

In order to prepare for the immersion experience, students will have a solid base at the 300 level on campus; upon their return they will broaden their knowledge of French literature and culture through advanced seminars and they will continue their Robins School coursework. The French component of the program thus consists of five courses taken on campus, plus four or five taken abroad, or the equivalent of the nine-course major in French. French/international business option students also will complete the French Senior Portfolio Project. (See French section for more specifics.)

### 2. The German Studies Major/International Business Option

9 courses in addition to completing all requirements of the international business concentration for the business administration major, including

- Five courses in German at the 300 or 400 level
- GERM 498-499 Senior Research Project
- One semester full-time study at Wirtschafsts Universitat Wien (four courses)

The German studies major/international business option requires that students study for at least a full semester at Richmond's partner school Austria, Wirtschafsts Universitat Wien (Vienna University of Economics and Business Administration).

### 3. The Italian Studies Major/International Business Option

9.5 courses in addition to completing all requirements of the international business concentration for the business administration major, including

- Five courses in Italian at the 300 or 400 level
- ITAL 498-499 Senior Research Project
- One semester full-time study at Commerciale Luigi Bocconi (four courses)

The curriculum of the Italian studies major/international business option includes a semester abroad at Università Commerciale Luigi Bocconi. There, students will continue their Robins School concentrations in classes with both local and other international students.

In order to prepare for the experience abroad, students in Italian will need to have completed at least Italian 221 on the Richmond campus; they must take at least one concurrent course in Italian while at Bocconi.

#### **4. The Latin American and Iberian Studies Major/International Business Option**

9.5 units in addition to completing all requirements of the international business concentration for the business administration major, including

- Two units, chosen from  
LAIS 301-306 (content-based language courses emphasizing speaking, reading and writing)
- One unit, chosen from  
LAIS 321 Literary Spain  
LAIS 331 Introduction to Spanish American Literature I  
LAIS 332 Introduction to Spanish American Literature II
- Two units at the 400 level, taken upon return from study abroad
- One semester in Latin America or Spain at an approved institution with an all-Spanish curriculum in business
- LAIS 496 Senior Symposium

The curriculum of the Latin American and Iberian studies major/international business option includes at least a semester abroad at one of the University's Spanish language partner institutions that is a Robins School partner (for example, Universidad Torcuato Di Tella in Argentina, Pontificia Universidad Católica Argentina, Pontificia Universidad Católica de Chile, Universidad de Deusto in Spain, or Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico). While abroad, students continue their

Robins School concentrations in classes with both local and international students.

In order to prepare for the experience abroad, students will have a solid base of 300-level courses taken at Richmond. Upon return they will broaden their knowledge of literary and cultural studies through advanced seminars, as well as additional Robins School coursework. The Latin American and Iberian studies component of this program thus consists of five courses taken on campus, plus four or five taken abroad, or the equivalent of a nine-course major in Latin American and Iberian studies.

### **Dual Diploma Program with Institut de Formation Internationale Groupe ESC Rouen**

International business students may apply for the dual diploma program with Institut de Formation Internationale (IFI) Groupe ESC Rouen. This program is designed for highly qualified international business students and admission is on a competitive basis. Studying at IFI during their junior year, accepted students will be required to complete the IFI third-year curriculum. Additionally, an approved work placement/internship and a significant research project must be completed. When the student returns to the University of Richmond and completes requirements for the B.S.B.A. degree with an international business concentration, the Diplôme de l'Institut de Formation Internationale will be awarded by IFI Groupe ESC Rouen. Contact the associate dean for international business programs for additional information on the dual diploma program.

### **Courses**

#### **IBUS 381 International Business Environment**

Introduction to field of international business: national economic and cultural differences; international trade policies and institutions; foreign direct investment; regional economic integration; international monetary system; global competition; current international business trends and developments. *Prerequisite:* At least junior standing. *1 unit.*

#### **IBUS 388 Selected Topics in International Business**

Examination of major area of international business not routinely studied in other courses. *Prerequisite:* Permission of instructor. *.5-1 unit.*

**IBUS 389 Directed Independent Study**

Independent research on an international business topic conducted under the direct supervision of an instructor. *Prerequisite:* Permission of the instructor. *.5-1 unit.*

**IBUS 390 International Business Issues**

Examination of a variety of international business issues. Recent topics have been national competitiveness and the global imperative; the truth about outsourcing. Specific topic determined by professor and announced during the registration period. *Prerequisite:* At least junior standing; other prerequisites may be specified by instructor. *1 unit.*

**IBUS 411 International Business Strategy**

Capstone course for the international business concentration. Readings and in-depth case studies on strategy formulation and implementation in the global business area. Emphasis on emerging competitive trends such as transnational enterprises and collaborative international business arrangements. *Prerequisites:* International Business 381 and senior standing. *1 unit.*

**MANAGEMENT**

*D. Neil Ashworth, Chair*

*Professors Ashworth, Eynan, Haddock, New, Tallman  
Associate Professors Coughlan, Deans, Eylon, Litteral  
Assistant Professors Altay, Bosse, Thompson, Whitaker*

**The Management Concentration**

The management concentration requires a minimum of four courses chosen from among the management courses. A maximum of six courses can be taken in any area of concentration. The management concentration offers optional curriculum tracks.

**Management Concentration Program Tracks (suggested courses and sequences)****1. General Management Track (select four courses)**

- MGMT 331 Personnel/Human Resource Management
- MGMT 333 International Management
- MGMT 339 Directed Independent Study
- MGMT 344 Bargaining and Negotiations in Organizations
- MGMT 345 Management Science

- MGMT 346 Systems Analysis and Design
- MGMT 347 Entrepreneurship
- MGMT 348 Environmental Management
- MGMT 349 Selected Topics in Management

**2. Innovation and Entrepreneurship Track (three required courses plus two electives)**

- MGMT 347 Entrepreneurship
- MGMT 349 ST: Entrepreneurship II (Creation of a Business Plan)
- FIN 369 ST: Entrepreneurial Finance
- Two electives, chosen from
  - ECON 220 History of Economic Thought
  - ENGL 216 Literature, Technology and Society
  - LAW 641 Intellectual Property
  - LDST 101 Foundations of Leadership Studies
  - MGMT 331 Personnel/Human Resource Management
  - MGMT 344 Bargaining and Negotiation in Organizations
  - MGMT 348 Environmental Management
  - MGMT 349 ST: Leadership
  - MKT 324 Sales Management
  - MKT 326 Marketing Research and Analysis
  - MKT 327 Consumer Behavior
  - MUS 345 Philanthropy in the Arts
  - RHCS 102 Interpersonal Communication
  - THTR 212 Basics of Acting

**Note:** LDST 101 and MGMT 349 (ST: Leadership) may not both be taken to satisfy an elective requirement.

**Courses****MGMT 330 Organizational Behavior**

Behavioral science concepts and their application to analysis of individual and group behavior in an organizational setting. Conceptual areas include organizational culture, personality, motivation, learning, perception, communications, attitudes, and small groups. *1 unit.*

**MGMT 331 Personnel/Human Resource Management**

Human resources decisions made by managers in general, and personnel managers in particular. Steps in employment relationship including job design, human resources requirements, staffing, training, goal setting, performance assessment, rewards, and human

resource planning and development. *Prerequisite:* Management 330 or permission of instructor. *1 unit.*

### **MGMT 333 International Management**

Introduction to management challenges businesses face in international environment. Includes overview of cultural factors and their impact on issues such as motivation, communication, recruitment, selection, and training. *Prerequisite:* Management 330. *1 unit.*

### **MGMT 339 Directed Independent Study**

Independent research on a management topic conducted under the direct supervision of an instructor. *Prerequisite:* Permission of instructor. *.5-1 unit.*

### **MGMT 340 Operations Management**

Introduces a variety of common operations issues that frequently are dealt with both in manufacturing and services industries and that affect other functions of the business. Specific topics include inventory systems, process design and control, quality, and forecasting. *Prerequisite:* Business Administration 201 or equivalent. *1 unit.*

### **MGMT 344 Bargaining and Negotiations in Organizations**

Multi-disciplinary study of concepts related to bargaining and negotiations. Situations involving interpersonal behavior and group conflict will be examined, using research findings from several academic disciplines including psychology, communications, and organizational behavior. A primary objective is to have students discover and improve their own bargaining styles through participation in role-plays and simulations based on real-life scenarios. *Prerequisite:* Management 330. *1 unit.*

### **MGMT 345 Management Science**

Application of quantitative methods. Typical business problem areas: scheduling, inventories, queues, allocation of resources, and market strategies. *1 unit.*

### **MGMT 346 Systems Analysis and Design**

Focuses on issues related to developing information systems using modern desktop tools. Will help students learn specific data and process modeling techniques and experience design process, which will increase their chances of a quality end-user solution when they are in a real business situation. *1 unit.*

### **MGMT 347 Entrepreneurship**

Process of new venture formation from idea generation to startup. Emphasis on small business strategies, business plan mechanics, venture capitalization, and role of the independent entrepreneur in today's society. *1 unit.*

### **MGMT 348 Environmental Management**

Study of various challenges being faced by today's organizations created by heightened concern for the protection of our natural environment. Topics studied include such issues as air and water pollution, waste management, and global warming. *1 unit.*

### **MGMT 349 Selected Topics in Management**

Intended primarily as elective for students in business administration or to provide introductions to branches of management not covered in other courses. *Prerequisite:* Permission of instructor. *.5-1 unit.*

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## **MARKETING**

*Dana Lascu, Chair*

*Professors Babb, Cossé, Lascu*

*Associate Professors Ridgway, Weisenberger*

*Assistant Professor Kukar-Kinney, Marquardt*

### **The Marketing Concentration**

The marketing concentration requires a minimum of four courses chosen from among the marketing courses. A maximum of six courses can be taken in any area of concentration. The marketing concentration offers optional curriculum tracks.

#### **Requirements:**

MKT 326 Marketing Research and Analysis (required of all marketing students)

### **Marketing Concentration Program Tracks (suggested courses and sequences)**

#### **1. Product Management Track**

- MKT 322 Product Management or MKT 428 Strategic Market Planning
- MKT 327 Consumer Behavior
- MKT 427 Marketing Case Analysis

#### **Recommended Elective Courses in Marketing:**

- MKT 324 Sales Management

- MKT 325 International Marketing (for students interested in an international product management career)

**Other Recommended Electives:**

- PSYC 100 Introduction to Psychological Science
- LDST 101 Foundations of Leadership Studies

**2. Communication Track**

- MKT 324 Sales Management
- MKT 327 Consumer Behavior
- MKT 421 Integrated Marketing Communication

**Other Recommended Electives:**

- PSYC 100 Introduction to Psychological Science
- JOUR 200 News Media and Society
- RHCS 102 Interpersonal Communication
- RHCS 300 Communication Theory

**Notes:**

- Program tracks will fulfill the marketing concentration requirements for the B.S.B.A. degree. However, it is not necessary to follow a specific track in marketing to fulfill these requirements.
- IBUS students taking MKT 325 and concentrating in marketing need only three additional units in marketing courses.

**Courses**

**MKT 320 Principles of Marketing**

Activities by which the planning and exchange of ideas, goods, and services are explained from inception to final consumption. Analysis of markets and their environments, development of marketing strategy, evaluation and control of marketing programs. *Prerequisites:* Accounting 201, 202 and Economics 101, 102. *1 unit.*

**MKT 322 Product Management**

Decisions made by brand manager as product moves through its life cycle including new product development, product management, and product portfolio assessment. Uses case study and lecture. *Prerequisite:* Marketing 320. *1 unit.*

**MKT 323 Database Marketing**

An overview of techniques for manipulating, analyzing, and presenting marketing data. Techniques are applied to major types of marketing databases: survey, scanner,

direct marketing, and census data. Students will make extensive use of SPSS, Excel, and Answer Tree software packages. *Prerequisite:* Marketing 320. *1 unit.*

**MKT 324 Sales Management**

Sales force management program; allocation of sales effort; recruiting; selection and training, motivation, supervision, compensation, evaluation and control of the sales force; elements of the personal selling process. *Prerequisite:* Marketing 320. *1 unit.*

**MKT 325 International Marketing**

Global market and its influence on domestic as well as international marketing including cultural, political, and economic factors. Analysis includes screening of foreign markets for entry of U.S. products and subsequent development of market plans as well as strategic responses to effects of international trade on U.S. market. *Prerequisite:* Marketing 320. *1 unit.*

**MKT 326 Marketing Research and Analysis**

Concepts, methodology, and techniques. Research design and statistical analysis. Validity and reliability of research information. Note: Marketing 326 is required in the marketing concentration area. *Prerequisites:* Marketing 320 and Business Administration 301. *1 unit.*

**MKT 327 Consumer Behavior**

Emphasis on understanding of individuals as consumers and organizational buyers; actions consumers engage in while selecting, purchasing and using products or services in order to satisfy needs and desires. Focus on psychological, emotional, social, and physical processes that precede or follow these actions; how offerings can be targeted more efficiently and effectively to consumer. *Prerequisite:* Marketing 320. *1 unit.*

**MKT 328 Directed Independent Study**

Independent research on a marketing topic conducted under the direct supervision of an instructor. *Prerequisite:* Permission of instructor. *.5-1 unit.*

**MKT 329 Selected Topics in Marketing**

Major areas in marketing such as retailing, personal selling, industrial marketing, service marketing, and advanced market research. Specific area varies by semester. *Prerequisite:* Permission of instructor. *.5-1 unit.*

**MKT 421 Integrated Marketing Communications**

Focus on coordination of organization's whole communications strategy to convey a consistent message to target customer. *Prerequisite:* Marketing 320. 1 unit.

**MKT 427 Marketing Case Analysis**

Application of marketing concepts to analysis and formulation of marketing programs using case studies. *Prerequisite:* Marketing 320. 1 unit.

**MKT 428 Strategic Market Planning**

Senior-level honors course. Students working in small teams act as "consultants" to local businesses in developing a strategic market plan for their assigned product. Formal written reports and presentations will be developed and presented. *Prerequisite:* Senior standing. 1 unit.

## Jepson School of Leadership Studies

The Jepson School of Leadership Studies offers a Bachelor of Arts degree with a major in leadership studies, as well as a minor in leadership studies. To earn this degree a candidate must satisfactorily complete the curricular requirements outlined in the following section and meet the general degree requirements of the University.

The Jepson School of Leadership Studies seeks to develop in each student a base of knowledge for understanding leadership in a variety of settings. Curriculum goals are achieved through courses that emphasize both leadership theory and practice, thus helping students connect knowledge gained through coursework to the world outside of the classroom.

### Admission Procedures

Students interested in the major or minor must apply and be selected by the Jepson School of Leadership Studies. Students should submit a formal application in the fall of their second academic year of study.

To be considered for admission to the Jepson School of Leadership Studies, a student must:

- Complete the Jepson School admission application by October 1 of the student's second year
- Arrange for a recommendation and transcript to be sent directly to the Associate Dean for Student and External Affairs
- Have completed or be enrolled in Leadership Studies 101 Foundations of Leadership Studies

For further information, please contact:

*The Dean's Office, Jepson School of Leadership Studies  
University of Richmond, VA 23173  
Telephone: (804) 289-8008*

## LEADERSHIP STUDIES

### *Jepson School of Leadership Studies*

*Professors Ciulla, Forsyth, Goethals, Hickman,  
McDowell, Peart, Wren  
Associate Professors Hicks, Price  
Assistant Professors Hoyt, Mitric, Williamson, Zivi*

### The Leadership Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.0, with no course grade below a C- (1.7).

Students wishing to major or minor in leadership studies must apply for admission to the Jepson School of Leadership Studies during the fall semester of their second year.

A minimum of 11 units, including:

- LDST 101 Foundations of Leadership Studies
- LDST 205 Justice and Civil Society
- LDST 249 Research Methods (.5 units)
- LDST 250 Critical Thinking (.5 units)
- LDST 251 Group Dynamics
- LDST 300 Theories and Models of Leadership
- LDST 450 Leadership Ethics
- LDST 488 Internship
- Four additional units of advanced courses numbered above 300

Advanced coursework may include one unit of collaborative independent study, one unit of student-initiated independent study, one unit of honors thesis work, or one unit of senior thesis work.

## The Leadership Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.0, with no course grade below a C- (1.7).

A minimum of 8 units, including:

- LDST 101 Foundations of Leadership Studies
- LDST 205 Justice and Civil Society
- LDST 249 Research Methods (.5 units)
- LDST 250 Critical Thinking (.5 units)
- LDST 251 Group Dynamics
- LDST 300 Theories and Models of Leadership
- LDST 450 Leadership Ethics
- Two additional units of advanced courses numbered above 300, not including independent study or thesis

## Honors in Leadership Studies

The Jepson School faculty offers a track by which students with a proven academic record of intellectual initiative and scholarly drive can earn honors in leadership studies. The faculty invites interested students to apply for the honors track. The deadline for this application is October 1 of the student's junior year. To qualify, a student must be a leadership studies major, hold at least a 3.30 cumulative GPA and at least a 3.30 leadership studies GPA, and have earned a B or higher in at least four leadership studies courses. The application form is available for qualified juniors from the Associate Dean for Academic Affairs.

Once accepted to the honors track, in order to receive honors in leadership studies, a student must:

- Enroll in LDST 399 Junior Honors Tutorial, for spring semester of junior year. (Students planning to study abroad during this semester may make alternate arrangements with the Associate Dean for Academic Affairs and relevant faculty members.)
- Submit a five-page proposal and preliminary bibliography to be accepted by the course instructor and a Jepson faculty thesis advisor.
- Enroll in LDST 497 and 498, Senior Honors Thesis I and II, during senior year.
- Successfully present one chapter, bibliography, and chapter-by-chapter outline of thesis to the student's committee by the last day of classes in the fall semester of senior year.

- Successfully defend thesis before the student's committee by the last day of classes in the spring semester of senior year.
- Complete undergraduate program with at least a 3.30 cumulative GPA and at least a 3.30 leadership studies GPA.

The student in the honors track must complete all aspects of the standard Jepson curriculum. Leadership Studies 497 and 498 can count for a maximum of one unit of advanced course credit.

## Study Abroad

Leadership studies students are encouraged to study abroad. Majors and minors may count a maximum of one unit of study abroad credit toward the advanced course requirement. This course must enhance the student's academic plan in leadership studies. Determination of whether a course enhances a student's academic plan in leadership studies will be made by the Associate Dean for Academic Affairs and the student's Jepson advisor. Students are encouraged to study abroad in the spring of junior year, although alternate arrangements typically can be made to accommodate students planning to study abroad in the fall of junior year.

## Courses

### LDST 101 Foundations of Leadership Studies

Introduction to leadership as an object of study through examination of its historical foundations and intellectual development. Readings from philosophy, politics, literature, and social theory. Emphasis on assessing classic texts in light of reasoned argument and on drawing leadership implications. *1 unit.*

### LDST 205 Justice and Civil Society

Exploration of contemporary society and understandings of justice. Readings on civil society, theories of justice, and analysis of poverty and related socio-economic problems. Includes a service learning component with critical reflection on community service to populations in need. *Prerequisite:* Leadership Studies 101. *1 unit.*

### LDST 249 Research Methods

In-depth examination of various research methods used in leadership studies. Consideration of issues associated with design of studies, collection of various

kinds of data, writing research proposals and reports, and analysis of data. *Prerequisites:* Leadership Studies 101 and admission to the Jepson School of Leadership Studies as a major or minor. *.5 unit.*

### **LDST 250 Critical Thinking**

Examination of knowledge and argumentation as they pertain to leadership. Analysis of scientific methodology and logic, language and interpretation, and their influence on the study and practice of leadership. *Prerequisites:* Leadership Studies 101 and admission to the Jepson School of Leadership Studies as a major or minor. *.5 unit.*

### **LDST 251 Group Dynamics**

Introduction to scientific study of group processes through vocabulary, concepts, theories, and research. Both classic and contemporary theories and research are presented. Emphasis on both theoretical and applied components of group dynamics. *Prerequisites:* Leadership Studies 101 and admission to the Jepson School of Leadership Studies as a major or minor. *1 unit.*

### **LDST 300 Theories and Models of Leadership**

Examination of theories and models in leadership studies. Introduces role of theory in social science, and both classic and contemporary leadership theories/models are presented. Emphasis on critical analysis of theoretical perspectives. *Prerequisites:* Leadership Studies 101, 249, 250, and 251 and admission to the Jepson School of Leadership Studies as a major or minor. *1 unit.*

### **LDST 302 Leadership in Organizations**

Focus on leadership theory and research within and across formal organizational settings such as public/private, profit/nonprofit, professional/nonprofessional, and unitary/multidivisional. Examination of rational, natural, and open systems, and of how leadership differs in each system. *Prerequisite:* Leadership Studies 300. *1 unit.*

### **LDST 303 Leadership in Political Contexts**

Informal and formal processes by which power and authority are exercised and leadership is selected within political systems in various settings. Examination of leadership in basic processes and institutions of government through case study of legislative issues. *1 unit.*

### **LDST 304 Social Movements**

Exploration of history of leadership in social movements. Comparison and contrast of forms, mechanisms, and practices of leadership in various stages of a social movement. Examination of values of leaders as expressed through stories of ordinary people involved in leadership in social movements. *1 unit.*

### **LDST 305 Leadership in Community and Volunteer Organizations**

Examination of leadership in nonprofit sector organizations ranging from United Way to small neighborhood associations. Differentiation of leadership roles within organizations by structure, size, membership, and mission. Examination of responsibility for leadership as it pertains to voluntary organizations. *1 unit.*

### **LDST 306 Leadership in Cultural and Historical Contexts**

Analysis of impact of larger contextual factors on the process of leadership. Exploration of role of long-term social, political, economic, and intellectual forces, as well as the influence of cultural norms and values. Emphasis on application to actual leadership situations. *1 unit.*

### **LDST 307 Leadership in International Contexts**

Comparative study of leadership in various cultures and in cross-cultural organizations. Topics include cultural and ethical influences on leadership, the relationship between leaders and followers in various cultures, and problems of cross-cultural leadership. *1 unit.*

### **LDST 308 The Creation of the American Republic**

Examines principles and practice of leadership within political context of the founding of the American Republic from 1776 through 1788. Primary focus will be on day-to-day work of the Constitutional Convention and the subsequent debates over ratification of the new constitution. (Same as Political Science 330.) *1 unit.*

### **LDST 352 Presidential Leadership**

A study of theories of presidential leadership and assessments of several presidencies, including those of George Washington, Andrew Jackson, Abraham Lincoln, Franklin Roosevelt, John F. Kennedy, Richard Nixon, Ronald Reagan, and Bill Clinton. Addresses



the personal qualities and capacities as well as the situational and historical contingencies that influence the effectiveness of various presidencies. Also considers the nature of social perception and its role in appraisals of presidential performance. Special attention will be given to presidential campaigning and presidential debates. Each student will undertake the study of one or more presidents. (Same as Psychology 449.) *1 unit.*

#### **LDST 354 Conflict Resolution**

Understanding principles and dynamics of mediating disputes and achieving agreements between groups and individuals. Discussion of negotiating techniques and ethical issues related to use of such techniques by leaders. Use of simulations and exercises to practice skills for resolving conflicts. *1 unit.*

#### **LDST 356 Leading Change**

Examines theories, concepts, and processes of leadership and change in several contexts including organizational, community, political, and societal. Focuses on purpose or reason for leading change in social structures, human conditions, dominant ideas, or prevailing practices using theoretical and experiential approaches. *1 unit.*

#### **LDST 357 Analyzing and Making Policy**

Examination of leadership in analysis, making, and conduct of policy. Analysis of choices, roles, and moral dimensions involved in cycle of policy. Comparison of policy making and leadership in different contexts. *1 unit.*

#### **LDST 376 Leadership and Governance in the Contemporary American Metropolis**

Examination of political, economic, and civic structure of contemporary American cities and their surrounding suburbs through the lens of contemporary democratic theory. Critically assesses historical and contemporary strategies for improving urban life employed by leaders in each of these sectors, with particular attention to the constraints these actors face. Specific topics discussed include transportation, land use, economic development and fiscal management, public education, crime, poverty, the formation of governing regimes, multiracial coalition building, and suburban sprawl. *1 unit.*

#### **LDST 377 Ethical Decision Making – Health Care**

Systematic examination of the central ethical decisions faced by leaders in medicine and healthcare. Topics include deception, decision making for incompetent patients, consent, abortion, euthanasia, disability, resource allocation, organ donation, and experimentation with human and non human animals. Readings by historical thinkers such as Jeremy Bentham, Immanuel Kant, and John Stuart Mill. Contemporary readings from bioethicists such as John Finnis, Judith Jarvis Thompson, Derek Parfit, Jonathan Glover, James Rachels, Peter Singer, and Ronald Dworkin. *1 unit.*

#### **LDST 378 Statesmanship**

Focus on statesmanship through historical and biographical case studies of such figures as the American founders, Abraham Lincoln, and Winston Churchill. Also will seek to understand ways in which constitutional, legal, and political institutions can encourage, thwart, or direct leadership on a grand political scale. (Same as Political Science 310.) *1 unit.*

#### **LDST 379 Reason, Rhetoric and Leadership**

Consideration of the relationship between rhetoric and leadership. Focus will be on such examples as Thucydides' "History of the Peloponnesian War," the Declaration of Independence, "The Federalist Papers," and the oratory of Abraham Lincoln and Winston Churchill. (Same as Political Science 316.) *1 unit.*

#### **LDST 386 Leadership in a Diverse Society**

Focuses on historical and contemporary issues concerning the role, responsibility, and process of leadership in diverse communities, organizations or groups. Students use readings, projects and class exercises to examine leadership in diverse settings and in the classroom. *1 unit.*

#### **LDST 387 Leadership and Religious Values**

Study of how persons draw on their religiously-based moral convictions as they lead and serve in a diverse society. Attention to public functions of religious ideas, practices, and communities. Focus on appropriate roles of religion in politics, the workplace, schools and universities, and civic organizations. (Same as Religion 370.) *1 unit.*

#### **LDST 390 Selected Topics**

Topics developed by Jepson School faculty, visiting faculty, or faculty in other schools of the University

that address particular issues in leadership studies. Examples may include leadership and psychology and literature and leadership. May be taken more than once if topics vary. *Prerequisite:* Varies depending on topic. *1 unit.*

### **LDST 399 Junior Honors Tutorial**

Juniors accepted to honors track (in fall of junior year) work with Jepson faculty members in this spring tutorial to develop thesis proposal and preliminary bibliography to be accepted by the course instructor and a Jepson faculty thesis advisor. *Prerequisite:* Acceptance to honors track. *.5 unit.*

### **LDST 450 Ethics and Leadership**

Application of moral theory to the values and assumptions of leadership, focusing especially on the ethical challenges of leaders past and present, group behavior, and leadership theory. Topics include self-interest, power, charisma, duty, obedience, and the greater good. *Prerequisite:* Leadership Studies 300. Restricted to senior majors and minors or by permission of instructor. *1 unit.*

### **LDST 488 Internship**

Applied experience in field of leadership studies and accompanying seminar. Observations of leaders in government, corporate, or nonprofit settings. Students are expected to apply what they have learned in required courses such as Theories and Models. Majors only. *.5-1 unit.*

### **Independent study**

Independent study refers to special projects pursued under supervision of a Jepson faculty member. Jepson recognizes two types of independent study projects: student-initiated and collaborative.

### **LDST 490 Student-Initiated Independent Study**

Student-initiated independent research allows students to pursue research on their own topic of interest under the supervision of a faculty member. Student-initiated independent study proposals must be submitted to the Associate Dean for Academic Affairs at least two weeks before the beginning of classes for the semester in which the independent study is to take place. The student-initiated independent research experience will culminate in a final written product. *Prerequisite:* Department approval. *.5-2 units.*

### **LDST 491 Collaborative Independent Study**

Collaborative independent research provides students with the opportunity to conduct research collaboratively with a Jepson faculty member on a project of theoretical or methodological importance to the faculty member's program of research. Collaborative independent research must involve more than providing research assistance to an ongoing project; rather, the student must take responsibility for conducting original research of scholarly value. Collaborative independent research will be grounded in rigorous methods appropriate to the discipline in which the student is working and will culminate in a final written product. *Prerequisite:* Department approval. *.5-2 units.*

### **LDST 492 Directed Study**

Group reading and research in a specified area of leadership studies under faculty supervision. *Prerequisite:* Department approval. *1 unit.*

### **LDST 495-496 Senior Thesis I and II**

Year-long engagement in independent research project under supervision of faculty advisor. *Prerequisite:* Department approval. *1-1 unit.*

### **LDST 497-498 Senior Honors Thesis I and II**

Year-long engagement in independent research to produce written thesis worthy of honors in leadership studies. See description of Jepson honors track for further details. *Prerequisites:* Leadership Studies 399 and commitment of a faculty thesis advisor are required to register for 497; in December of senior year, upon oral presentation of research and proposal, Jepson faculty verifies permission to enroll in 498. *1-1 unit.*

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- Neff, Joan L.**, *Associate Professor of Sociology and Criminal Justice*; 1980 B.A. (University of Delaware), M.A., Ph.D. (The Ohio State University)
- Newcomb, Andrew F.**, *Dean, School of Arts and Sciences and Professor of Psychology*; 1984 A.B. (Occidental College), Ph.D. (University of Minnesota)
- Nicholson, Robert H.**, *Associate Professor of Economics*; 1972 B.S. (University of Delaware), M.S., Ph.D. (North Carolina State University)
- Nourse, Jennifer W.**, *Associate Professor of Anthropology and Women, Gender and Sexuality Studies*; 1990 B.A. (University of Tennessee), M.A., Ph.D. (University of Virginia)
- Obi, Joseph E., Jr.**, *Associate Professor of Sociology*; 1992 B.Sc. (University of Ibadan, Nigeria), M.S.

- (University of Illinois at Urbana-Champaign), M.A., Ph.D. (Brandeis University)
- O'Brien, Eileen T.**, *Assistant Professor of Sociology*; 2004 B.A. (College of William and Mary), M.A. (Ohio State University), Ph.D. (University of Florida)
- Otero-Blanco, Angel**, *Assistant Professor of Spanish*; B.A., Ph.D. (University of Santiago de Compostela), M.A. (Brown University)
- Owen, William Jason**, *Associate Professor of Statistics*; 2002 B.S. (Salisbury University), M.S., Ph.D. (University of South Carolina)
- Palazzolo, Daniel J.**, *Professor of Political Science*; 1989 B.A. (Trinity College), M.A. (University of Houston), Ph.D. (University of Virginia)
- Panoff, Kathleen**, *Executive Director of the George M. Modlin Center for the Arts*; 1995 B.M., M.M. (University of Cincinnati)
- Pappas, Sara**, *Assistant Professor of French*; (2004) 2006 B.A. (University of Pennsylvania), M.A. (University of California at Los Angeles), Ph.D. (Cornell University)
- Parish, Carol A.**, *Associate Professor of Chemistry*; 2005 B.S. (Indiana Purdue University Indianapolis), Ph.D. (Purdue University)
- Peebles, Edward M.**, *Director of the Intensive Language Program in Spanish*; 1997 B.A., M.A. (University of Virginia)
- Pelletier, Kevin D.**, *Assistant Professor of English*; 2007 B.A. (Salve Regina University), M.A. (University of Rhode Island), Ph.D. (State University of New York at Buffalo)
- Pevny, Olenka Z.**, *Assistant Professor of Art History*; 2002 B.A. (New York University), M.A., Ph.D. (Institute of Fine Arts)
- Photinos, Nicholas Constantine**, *Ensemble in Residence and Visiting Instructor of Music*; 2004 B.M. (Oberlin College), A.D. (University of Cincinnati), M.M. (Northwestern University)
- Radi, Lidia**, *Assistant Professor of Italian and French*; 2006 Laurea (Universite di Verona), Maîtrise, Doctorat (Université Stendhal-Grenoble, France), Ph.D. (Rutgers University)
- Radice, Gary P.**, *Associate Professor of Biology*; 1990 B.A. (Wittenberg University), Ph.D. (Yale University)
- Ransom, Elizabeth P.**, *Assistant Professor of Sociology*; (2003) 2006 B.A. (Western Carolina University), M.A., Ph.D. (Michigan State University)
- Ravaux-Kirkpatrick, Françoise R.**, *Professor of French*; 1973 Baccalaureat en Philosophie, Centre National de Tele-Enseignement Vanves (Université de Paris), M.A., Ph.D. (Michigan State University)
- Reiner, Maren Bogen**, *Director of Biology Laboratories*; 1988 B.S. (Mary Washington College), M.S. (New York University)
- Rhodes, D. Mark**, *Associate Professor of Art*; 1987 B.F.A. (Murray State University), M.F.A. (Southern Illinois University)
- Riehl, Jeffrey S.**, *Associate Professor of Music*; 1995 B.S. (Lebanon Valley College), M.M. (Westminster Choir College), D.M.A. (Eastman School of Music)
- Roof, Tracy M.**, *Assistant Professor of Political Science*; (2000) 2004 B.A. (Yale University), Ph.D. (Johns Hopkins University)
- Ross, William T.**, *Professor of Mathematics*; 1992 B.S. (Fordham University), M.S., Ph.D. (University of Virginia)
- Routt, David W.**, *Assistant Professor of History*; (2003) 2007 B.A., M.A. (University of Kentucky), Ph.D. (Ohio State University)
- Runyen-Janecky, Laura J.**, *Associate Professor of Biology*; 2002 B.S. (Southwestern University), Ph.D. (University of Wisconsin at Madison)
- Russell, Anthony P.**, *Associate Professor of English*; 1992 B.A., M.Phil., Ph.D. (Yale University)
- Saal, Ilka**, *Associate Professor of English*; 2002 Intermediate Examination (Georg-August-Universität, Germany), M.A. (Universität Leipzig, Germany), Ph.D. (Duke University)
- Sackley, Nicole**, *Assistant Professor of History*; 2005 A.B. (Brown University), M.A., Ph.D. (Princeton University)
- Salisbury, David S.**, *Assistant Professor of Geography*; 2007 B.A. (Middlebury College), M.A. (University of Florida), Ph.D. (University of Texas)
- Schauber, Nancy E.**, *Associate Professor of Philosophy*; 1993 A.B. (St. John's College), M.A. (University of Virginia), Ph.D. (Yale University)
- Schmidt, Robert M.**, *Professor and Department Chair of Economics*; 1981 B.A. (University of Wisconsin at Madison), M.A., Ph.D. (Duke University)
- Schoen, Walter L.**, *Associate Professor of Theatre*; 1991 B.A. (Pennsylvania State University), M.F.A. (University of California at San Diego)
- Schwartz, Louis**, *Associate Professor of English*; 1989 B.A. (State University of New York at Albany), M.A., Ph.D. (Brandeis University)
- Scinicariello, Sharon G.**, *Director of the Multimedia Language Laboratory*; 2003 B.A., M.A. (Ohio

- University), Ph.D. (University of North Carolina at Chapel Hill)
- Shapiro, Gary**, *Professor of Philosophy, Tucker-Boatwright Professorship in the Humanities*; 1991 B.A. (Columbia College), Ph.D. (Columbia University)
- Shaw, Kelly A.**, *Assistant Professor of Computer Science*; 2004 B.S. (Duke University), M.S., Ph.D. (Stanford University)
- Shaw, Miranda E.**, *Associate Professor of Religion*; 1991 B.A. (Ohio State University), M.T.S. (Harvard University Divinity School), M.A., Ph.D. (Harvard University)
- Simon, Stephen A.**, *Assistant Professor of Political Science*; 2007 B.A. (Harvard University), J.D. (New York University School of Law), M.A., Ph.D. (University of Maryland)
- Simpson, Andrea Y.**, *Associate Professor of Political Science*; 2004 B.A. (Rhodes College), M.A. (University of Virginia), Ph.D. (Emory University)
- Simpson, M. Catherine**, *Assistant Director of Intensive Spanish*; (2006) 2007 A.B.D. (SUNY at Stony Brook), M.A. (SUNY at Stony Brook), B.A. (University of Georgia)
- Simpson, Dean W.**, *Associate Professor of Classical Studies*; 1982 B.A. (Dickinson College), M.Phil. (University College, Dublin), Ph.D. (National University of Ireland)
- Sjovold, Erling A.**, *Associate Professor of Art*; 2000 B.S. (University of California at Berkeley), M.F.A. (School of the Art Institute of Chicago)
- Smallwood, Peter D.**, *Associate Professor of Biology*; 1997 B.S. (Ohio State University), M.S. (University of North Carolina at Chapel Hill), Ph.D. (University of Arizona)
- Smith, Timothy**, *Director of Instrument Facilities*; 2006 B.S. (Shippensburg University), Ph.D. (Carnegie Mellon University)
- Softić, Tanja**, *Associate Professor of Art*; 2000 B.F.A. (Academy of Fine Arts of the University of Sarajevo), M.F.A. (Old Dominion University)
- Spear, Michael M.**, *Associate Professor of Journalism*; 1983 B.A. (Guilford College), M.A. (University of North Carolina at Chapel Hill)
- Stenger, Krista Jane**, *Associate Professor of Biology*; 1984 B.A. (University of Virginia), M.S. (Virginia Commonwealth University), Ph.D. (Medical College of Virginia/Virginia Commonwealth University)
- Stevens, J. David**, *Associate Professor of English and Creative Writing*; 2005 A.B. (Duke University), M.F.A. (Pennsylvania State University), Ph.D. (Emory University)
- Stevenson, Christopher L.**, *Associate Professor of Chemistry*; 1993 B.S. (University of North Carolina at Chapel Hill), Ph.D. (University of Florida)
- Stevenson, Walter N.**, *Associate Professor of Classical Studies*; 1990 B.A. (Carleton College), Ph.D. (Brown University)
- Stohr-Hunt, Patricia M.**, *Assistant Professor of Education and Director of Teacher Education*; 1994 B.S. (State University of New York at Stony Brook), M.Ed., Ph.D. (State University of New York at Buffalo)
- Sulzer-Reichel, Martin**, *Director of Arabic and German Language Programs*; (2001) 2005 M.A. (Albert-Ludwigs-Universität Freiburg, Germany)
- Summers, L. Carol**, *Professor of History*; 1991 B.A. (Swarthmore College), M.A., Ph.D. (Johns Hopkins University)
- Suzuki, Akira**, *Director of the Japanese Language Program*; 1989 B.A. (Aoyama Gakuin University, Japan), M.A., Graduate Study (University of Pittsburgh), Graduate Study (Cornell University)
- Szajda, Douglas C.**, *Associate Professor of Computer Science*; 2001 B.S. (Lafayette College), M.S., Ph.D., M.S.C.S. (University of Virginia)
- Sznajder, Aleksandra J.**, *Assistant Professor of Political Science*; 2007 B.A. (Goucher College), M.A., M.Phil. (Yale University)
- Tan, Rose L.**, *Director of the Chinese Language Program*; 1999 B.A. (National Cheng Kung University, Taiwan), M.Phil. (Chinese University of Hong Kong)
- Telang, Aparna**, *Assistant Professor of Biology*; 2006 B.S. (University of California at Davis), M.S. (California State University), Ph.D. (University of Arizona)
- Trapp, Kathryn A.**, *Assistant Professor of Mathematics*; 2004 B.A. (Princeton University), M.A. (Dartmouth College), Ph.D. (Carnegie-Mellon University)
- Trawick, Matthew L.**, *Assistant Professor of Physics*; 2004 B.A. (Oberlin College), M.S., Ph.D. (Ohio State University)
- Treadway, John D.**, *Professor of History, Samuel Chiles Mitchell-Jacob Billikopf Professorship in History*; 1980 B.A. (Florida State University), Ph.D. (University of Virginia)
- Treonis, Amy M.**, *Assistant Professor of Biology*, 2005 B.A. (Dominican University), Ph.D. (Colorado State University)

**Troncale, Joseph C.**, *Associate Professor of Russian*; 1979 B.A. (Loyola University), M.A. (University of Arizona), Ph.D. (Cornell University)

**Valencia, Carlos**, *Director of Technology, LAIS*; 2005 B.A., B.S. (University of North Carolina at Asheville), M.A., Ph.D. (University of North Carolina at Chapel Hill)

**Van Gelder, Anne N.**, *Assistant Director of Dance*; 1999 B.A. (Virginia Intermont College), M.F.A. (University of Utah)

**Vaughan, John E.**, *Director of Pre-Health Education*; 2002 B.S. (Christopher Newport University), Ph.D. (Virginia Commonwealth University)

**Waller, Richard**, *Executive Director of University Museums and Director of the Marsh Gallery*; 1990 B.A. (Mankato State University), M.A. (University of Wisconsin), M.F.A. (Yale University)

**Wang, Vincent W.**, *Associate Professor of Political Science*; 1996 B.A. (National Taiwan University), M.A. (Johns Hopkins University), Ph.D. (University of Chicago)

**Warrick, John M.**, *Associate Professor of Biology*; 2002 B.S. (King's College), M.S., Ph.D. (Temple University)

**Watts, Sydney E.**, *Associate Professor of History*; 1999 B.A. (Sarah Lawrence College), M.A., Ph.D. (Cornell University)

**West, Ellis M.**, *Professor of Political Science*; 1968 B.A. (University of Richmond), (Yale Divinity School), (New York University School of Law); M.A., Ph.D. (Emory University)

**West, Hugh A.**, *Associate Professor of History and International Studies*; 1978 B.A., M.A., Ph.D. (Stanford University)

**West, Warwick Reed, III**, *Associate Professor of Theatre*; 1985 B.A. (University of Richmond), M.F.A. (Wayne State University)

**Wharton, Carol S.**, *Associate Professor of Sociology and Women, Gender and Sexuality Studies*; 1982 B.A. (Marshall University), M.S. (Ohio State University), Ph.D. (Michigan State University)

**Whelan, John T.**, *Professor of Political Science*; 1970 B.S. (Canisius College), M.A., Ph.D. (University of Pittsburgh)

**Wight, Jonathan B.**, *Professor of Economics and International Studies*; 1982 B.A. (Duke University), M.A., Ph.D. (Vanderbilt University)

**Winiarski, Douglas L.**, *Associate Professor of Religion*; 2000 B.A. (Hamilton College), M.T.S. (Harvard Divinity School), Ph.D. (Indiana University)

**Yanikdag, Yucel**, *Assistant Professor of History*; 2006 B.A. (Old Dominion University), M.A.

(Old Dominion University), Ph.D. (Ohio State University)

**Yates, Andrew J.**, *Associate Professor of Economics*; 2002 B.S. (Washington University), M.S., Ph.D. (Stanford University)

**Yellin, Eric S.**, *Assistant Professor of History*; 2007 B.A. (Columbia University), M.A., Ph.D. (Princeton University)

**Zoghby, Kathy L.**, *Director of Molecular Biological Laboratories*; (2002) 2006 B.A. (Franklin and Marshall College), M.S. (Virginia Commonwealth University)

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## FACULTY LIBRARIANS

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**Fairtile, Linda**, *Music Librarian*; 2002 B.A. (Oberlin College), B.Mus. (Oberlin Conservatory of Music), M.A. (New York University), M.L.S. (St. Johns University)

**Falls, Sarah E.**, *Visual Resources Librarian*; 2004 B.A. (Old Dominion University), M.A. (Rutgers), M.S.L.S. (University of North Carolina at Chapel Hill)

**Frick, Rachel**, *Head of Bibliographic Access Services*; 2002 B.A. (Guilford College), M.S.L.S. (University of North Carolina at Chapel Hill)

**Gwin, James E.**, *Collection Development Librarian*; 1975 A.B. (University of Chattanooga), M.Ln. (Emory University), M.P.A. (Virginia Commonwealth University)

**Hillner, Melanie M.**, *Science Librarian*; 1987 A.B. (Earlham College), M.S.L.S. (University of Kentucky)

**Maxwell, Littleton M.**, *Business Librarian*; 1971 B.A. (Randolph-Macon College), M.L.S. (University of Kentucky), M.B.A. (University of Richmond)

**McCulley, G. Lucretia**, *Head, Outreach and Instruction Services*; 1987 B.A. (Salem College), M.S.L.S. (University of Tennessee at Knoxville)

**McDonald, Leigh H.**, *Head of Cataloging*; 1987 B.A. (University of Richmond), M.S.L.S. (University of North Carolina)

**Porterfield, Paul C.**, *Head, Media Resource Center*; 1987 A.B. (Roanoke College), M.S.L.S. (Atlanta University), Ed.S. (Georgia State University)

**Reinauer, Olivia J.**, *Social Sciences Librarian*; 2005 B.A., M.S.L.S. (University of Texas at Austin)

**Rettig, James**, *University Librarian*; 1998 B.A., M.A. (Marquette University), M.A. (University of Wisconsin at Madison)

**Whitehead, Marcia E.**, *Humanities Librarian*; 1985 A.B. (Brown University), M.L.S.

(University of Rhode Island), Ph.D. (University of Texas at Austin)

**Williams, Lila E.**, *Cataloging Librarian*; 1970 B.A. (Bridgewater College), M.L.S. (University of Pittsburgh)

**Woodall, Nancy K.**, *Systems Librarian*; 1992 B.A. (University of North Carolina), M.L.S. (University of South Carolina)

## RETIRED ARTS AND SCIENCES FACULTY

**Bak, Joan L.**, *Professor of History, Emerita*; 1978 B.A. (Stanford University), M.Phil., Ph.D. (Yale University)

**Bell, Catherine**, *Registrar of Westhampton College, Emerita*; 1950 B.A. (University of Richmond), M.A. (Duke University)

**Bishop, John W.**, *Professor of Biology, Emeritus*; 1966 B.A. (Rutgers University), M.S., Ph.D. (Cornell University)

**Blick, Kenneth A.**, *Professor of Psychology, Emeritus*; 1967 B.A., M.A. (University of Richmond), Ph.D. (Tulane University)

**Boggs, John C., Jr.**, *Professor of English, Emeritus*; (1957) 1962 A.B. (Duke University), M.A., Ph.D. (Columbia University)

**Bogle, Emory C.**, *Associate Professor of History, Emeritus*; 1967 B.A. (Dakota Wesleyan University), M.A., Ph.D. (University of Maryland)

**Bolt, Ernest C., Jr.**, *Professor of History, The Samuel Chiles Mitchell-Jacob Billikopf Professorship in History, Emeritus*; 1966 B.A. (Furman University), M.A., Ph.D. (University of Georgia)

**Bradley-Cromey, Nancy**, *Associate Professor of French, Emerita*; 1992 B.A. (Wells College), M.A. (Middlebury College School of Italian)

**Brown, Irby B.**, *Professor of English, Emeritus*; 1959 B.A. (University of Richmond), M.A., Ph.D. (University of Virginia)

**Bunting, Suzanne K.**, *Professor of Music, Emerita*; 1961 B.A. (University of Richmond), M.M. (University of Michigan), Student of Hans Vollenweider (Zurich) in organ

**Chapman, Augusta S.**, *Associate Professor of Health and Sport Science, Emerita*; 1955 A.B. (Hollins College), M.S. (Smith College)

**Clough, Stuart C.**, *Professor of Chemistry, Emeritus*; 1973 B.S. (University of Richmond), Ph.D. (University of Florida)

**Cobbs, H. Bruce**, *Professor of Education, Emeritus*; 1974 B.A. (Mount Union College), M.Ed. (Texas Christian University), Ph.D. (Ohio State University)

**Daniel, W. Harrison**, *Professor of History, Emeritus, The William Binford Vest Chair of History, Emeritus*; 1956 B.A. (Lynchburg College), B.D., M.A. (Vanderbilt University), Ph.D. (Duke University)

**Dawson, Albert C.**, *Professor of Spanish, Emeritus*; 1966 B.A. (University of Richmond), M.A., Ph.D. (University of Wisconsin)

**Decker, R. Dean**, *Associate Professor of Biology*; 1966 B.S., M.S. (Purdue University), Ph.D. (North Carolina State University)

**Dickerson, Lynn C., II**, *Professor of English, Emeritus*; 1970 B.A. (University of Richmond), B.D., Th.M. (Southeastern Baptist Seminary), Ph.D. (Emory University)

**Dickinson, Jean Neasmith**, *Associate Professor of Psychology, Emerita*; (1943), 1963 B.A. (University of Richmond), M.S. (University of Rochester)

**Dunham, R. Sheldon, Jr.**, *Assistant Professor of German*; 1968 A.B., Ph.D. (University of North Carolina at Chapel Hill)

**Eicher, B. Keith**, *Professor of Education, Emeritus*; 1971 B.S., M.S. (Southern Illinois University), Ed.D. (Northern Illinois University)

**Erb, James B.**, *Professor of Music, Emeritus*; 1954 B.A. (Colorado College), Teaching Certificate in Voice (Vienna State Academy of Music), M.M. (Indiana University), A.M., Ph.D. (Harvard University)

**Griffin, Barbara J.**, *Director, Graduate School of Arts and Sciences, Associate Dean, School of Arts and Sciences, and Professor of English, Emerita*; 1970 B.A. (Wichita State University), M.A. (Wayne State University), Ph.D. (Indiana University)

**Gunlicks, Arthur B.**, *Professor of Political Science and International Studies, Emeritus*; (1968) 1980 B.A. (University of Denver), Ph.D. (Georgetown University), (University of Freiburg, Germany), (University of Gottingen, Germany)

**Hart, Philip R., Sr.**, *Professor of Religion, Emeritus*; 1956 B.A. (University of Richmond), B.D. (Southern Baptist Theological Seminary), M.A. (Columbia University), Ph.D. (University of Edinburgh)

**Hall, James H., Jr.**, *Professor of Philosophy, Emeritus; James Thomas Professorship in Philosophy*; 1965 A.B. (Johns Hopkins University), Ph.D. (University of North Carolina at Chapel Hill)

- Hopkins, Warren P.**, *Director of Counseling and Psychological Services and Associate Professor of Psychology, Emeritus*; 1976 B.A. (Washington and Lee University), M.A. (Kent State University), Ph.D. (University of Tennessee)
- Horgan, Robert J.**, *Professor of Political Science, Emeritus*; 1967 A.B., M.A. (University of North Dakota), Ph.D. (University of Notre Dame)
- Ivey, George N.**, *Senior Associate Director of Athletics and Associate Professor of Education*; (1976) 1982 B.Ed. (University of Omaha), B.S. (State University of New York at Albany), M.S. (Troy State University), Ed.S., Ed.D. (College of William and Mary), Graduate (United States Army Command and General Staff College), Graduate (Naval War College)
- James, Robison B.**, *Professor of Religion, The George and Sallie Cutchins Camp Professor of Bible and Solon B. Cousins Professor of Religion, Emeritus*; 1962 B.A. (University of Alabama), B.D. (Southern Baptist Theological Seminary), (University of Edinburgh, Scotland), Ph.D. (Duke University)
- Johnson, Charles W., Jr.**, *Professor of Art History, Emeritus*; 1967 B.M.Ed. (Westminster College), M.S.M. (Union Theological Seminary, New York), Ph.D. (Ohio University)
- Jordan, E. Williamson**, *Associate Professor of Health and Sport Science*; 1966 B.A. (University of Richmond), M.Ed. (University of North Carolina)
- Kent, Joseph F., III**, *Professor of Computer Science, Emeritus*; 1973 B.A., M.A., M.C.S., Ph.D. (University of Virginia)
- Key, Francis**, *Assistant Professor of Mathematics, Emeritus*; 1941 B.S. (Washington and Lee University) M.A. (Duke University)
- Kish, Valerie M.**, *Professor of Biology*; 1993 B.S. (University of Kentucky), M.A. (Indiana University), Ph.D. (University of Michigan)
- Kozub, Frederick J.**, *Associate Professor of Psychology, Emeritus*; 1968 B.A. (State University of New York at Buffalo), M.A. (Hollins College), Ph.D. (University of Virginia)
- Leftwich, Francis B.**, *Professor of Biology, Emeritus*; 1964 B.A., M.A. (University of Richmond), Ph.D. (University of Tennessee)
- Loxterman, Alan S.**, *Professor of English, Emeritus*; 1970 A.B. (Kenyon College), M.A. (University of Chicago), Ph.D. (Ohio State University)
- Mateer, Richard A.**, *Dean, Richmond College, Associate Dean, School of Arts and Sciences, and Associate Professor of Chemistry*; 1966 A.B. (Centre College), (University of Kentucky), Ph.D. (Tulane University)
- McMurtry, Josephine B.**, *Professor of English, Emerita*; 1969 B.A. (Texas Woman's University), Ph.D. (Rice University)
- Monk, Clarence**, *Associate Professor of Mathematics, Emeritus*; 1959 B.A., B.S. (Emory and Henry College), M.S., Ph.D. (Columbia University)
- Nelson, Robert M.**, *Professor of English, Emeritus*; (1969) 1975 B.A. (University of Virginia), M.A., Ph.D. (Stanford University)
- Outland, John W.**, *Professor of Political Science and International Studies, Emeritus*; 1969 B.A. (Whittier College), Ph.D. (Syracuse University)
- Pate, Donald W.**, *Associate Professor of Health and Sport Science*; (1973) 1982 B.S., M.S. (Moorhead State College), Ph.D. (University of Utah)
- Pendleton-Kirby, Catharine C.**, *Assistant Professor of Music, Emerita*; (1963), 1966 B.Mus. (Woman's College of the University of North Carolina)
- Penninger, F. Elaine**, *Professor of English, Emerita*; 1963 A.B. (Woman's College of the University of North Carolina), M.A., Ph.D. (Duke University)
- Powell, W. Allan**, *Professor of Chemistry, Emeritus*; 1952 B.S. (Wake Forest College), (University of Pittsburgh); Ph.D. (Duke University)
- Robert, Joseph Clarke**, *Professor of History, Emeritus*; 1961 A.B., LL.D. (Furman University), A.M., Ph.D. (Duke University), Litt.D (Washington and Lee University), L.H.D. (Medical College of Virginia)
- Rilling, John R.**, *Professor of History, Emeritus*; 1959 B.A. (University of Minnesota), M.A., Ph.D. (Harvard University)
- Rohaly, Kathleen A.**, *Professor of Health and Sport Science and Women's Studies, Emerita*; 1971 B.S. (Lock Haven State College), M.S. (Pennsylvania State University), Ph.D. (Ohio State University)
- Rudolf, Homer**, *Professor of Music, Emeritus*; 1976 B.A. (Jamestown College), M.A. (University of Southern California), Ph.D. (University of Illinois at Urbana-Champaign)
- Ryle, J. Martin**, *Professor of History, Emeritus*; 1964 A.B. (Furman University), M.A., Ph.D. (Emory University)
- Seaborn, James B.**, *Professor of Physics, The Robert Edward & Lena Frazer Loving Chair of Physics, Emeritus*; (1965), 1970 B.S., M.S. (Florida State University), Ph.D. (University of Virginia)
- Sholley, Barbara K.**, *Associate Professor of Psychology*; 1972 A.A. (Hershey Junior College), A.B., M.S., Ph.D. (Ohio University)

- Stokes, Marion J.**, *Professor of Mathematics, Emerita*; (1950) 1953 B.A. (Randolph-Macon Woman's College), M.A. (University of Virginia)
- Tarver, Jerry L.**, *Professor of Speech Communication*; 1963 B.A., M.A., Ph.D. (Louisiana State University)
- Taylor, Elizabeth B.**, *Professor of Mathematics, Emerita*; (1952) 1957 B.A. (Winthrop College), M.A. (Duke University), Ph.D. (Columbia University)
- Taylor, Jackson J.**, *Professor of Physics, Emeritus*; 1948 B.S. (University of Richmond), M.S. (Cornell University)
- Taylor, Welford D.**, *Professor of English, James A. Bostwick Chair of English, Emeritus*; 1964 B.A., M.A. (University of Richmond), Ph.D. (University of Maryland)
- Terry, Robert M.**, *Professor of French, Emeritus*; 1968 B.A. (Randolph-Macon College), Ph.D. (Duke University)
- Thomas, David Allen**, *Associate Professor of Communication Studies, Emeritus*; 1986 B.A., M.A. (Hardin-Simmons University), Ph.D. (Michigan State University)
- Traynelis-Yurek, Elaine F.**, *Professor of Education, Emerita*; 1980 B.A., M.A., Ed.D. (West Virginia University)
- Tremaine, Louis E.**, *Professor of English and International Studies, Emeritus*; 1981 A.B. (Occidental College), M.A., Ph.D. (Indiana University)
- Tromater, L. James**, *Professor of Psychology, Emeritus*; 1966 B.A. (Bethany College), M.A. (University of Illinois), Ph.D. (Texas Christian University)
- Underhill, Frances A.**, *Professor of History, Emerita*; 1964 A.B., A.M. (University of Michigan), Ph.D. (Indiana University)
- Ward, Harry M.**, *Professor of History, William Binford Vest Chair of History, Emeritus*; 1965 B.A. (William Jewell College), M.A., Ph.D. (Columbia University)
- Welsh, John D.**, *Professor of Theatre, Emeritus*; 1965 B.A. (University of Richmond), M.A., Ph.D. (Tulane University)
- Westin, R. Barry**, *Professor of History, Emeritus*; 1961 B.A. (Grove City College), M.A., Ph.D. (Duke University)
- West, Warwick R., Jr.**, *Professor of Biology, Emeritus*; 1952 B.S. (Lynchburg College), Ph.D. (University of Virginia)
- Willett, Doris L.**, *Assistant Professor of Mathematics, Emerita*; (1962), 1965 B.S., M.A. (Western Carolina College), Graduate Study (University of North Carolina), (North Carolina State University), (University of Virginia)
- Wingrove, C. Ray**, *Professor of Sociology, The Irving May Chair in Human Relations, Emeritus*; 1971 B.A. (University of Richmond), M.A., Ph.D. (University of North Carolina at Chapel Hill)
- Withers, Nathaniel R.**, *Associate Professor of Mathematics and Computer Science, Emeritus*; 1970 B.S., M.A. (College of William and Mary), M.S., D.A. (Carnegie-Mellon University)

## FACULTY OF THE ROBINS SCHOOL OF BUSINESS

*The year given designates the year of appointment. The year with ( ) is the year of first appointment.*

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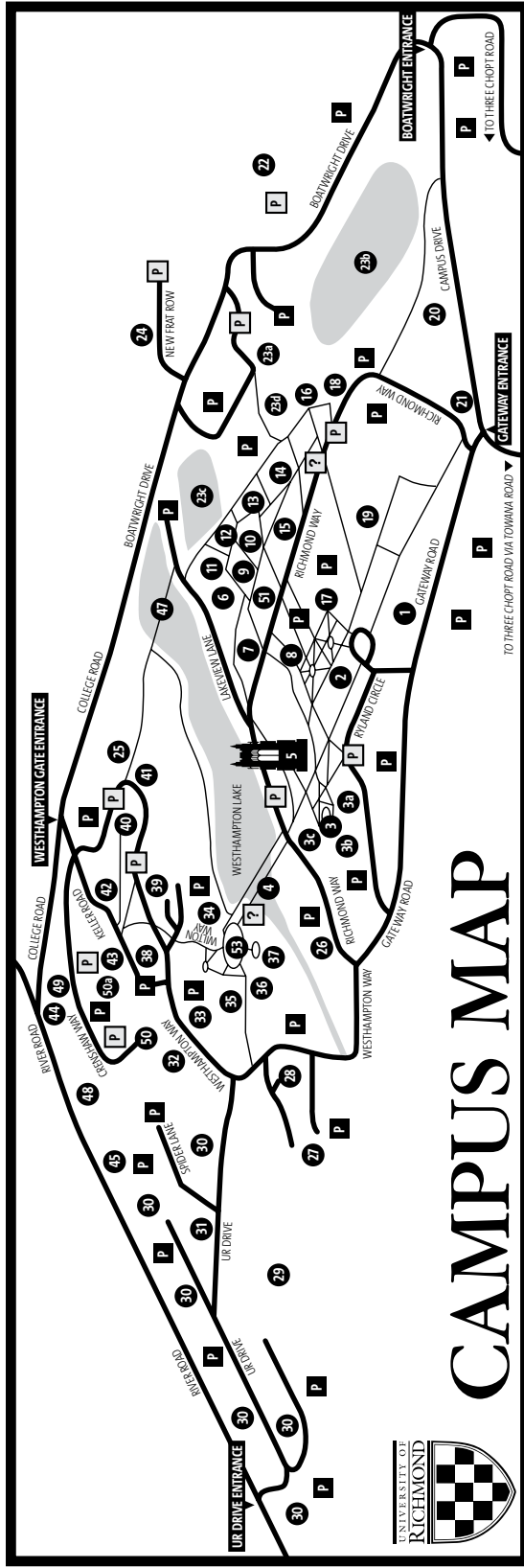
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| —  | Campus Information (804) 288-8000  | 17     | Jepson School of Leadership Studies            | 23c | Pitt Baseball Field            | 4   | Student Development                          |
| 5  | Adams Auditorium                   | 50     | Jepson Theatre                                 | 31  | Police, University             | 31  | Student Health Center                        |
| 18 | Admissions, Undergraduate          | 15     | Jeter Hall                                     | 26  | Post Office, University        | 33  | Thalimer Guest Cottage                       |
| 3a | Advancement                        | 43     | Keller Hall                                    | 4   | President's Dining Room        | 7   | Thomas Hall                                  |
| 4  | Alice Haynes Room                  | 48     | Lacrosse Field                                 | 44  | President's Home               | 4   | Tyler Haynes Commons                         |
| 49 | Alumni Relations                   | 6      | Lakeview Hall                                  | 3a  | President's Office             | 27  | University Facilities                        |
| 22 | Atlantic House                     | 22     | Law Dorm                                       | 28  | Printing Services              | 30  | University Forest Apartments                 |
| 5  | Boatwright Memorial Library        | 19     | Law School Alumni Office                       | 18  | Registrar's Office             | 53  | University Forum                             |
| 38 | Booker Hall                        | 32     | Lora Robins Court                              | 51  | Richmond College (main office) | 27  | University Services                          |
| 4  | Bookstore                          | 5      | Lora Robins Gallery of Design from Nature      | 20  | Richmond College Tennis Courts | 5   | Virginia Baptist Historical Society          |
| 49 | Botanley House                     | 11     | Marsh Hall                                     | 3b  | Richmond Hall                  | 23d | Weinstein Center for Recreation and Wellness |
| 18 | Bursar's Office                    | 3a     | Maryland Hall                                  | 23a | Robins Center                  | 8   | Weinstein Hall                               |
| 21 | Bus Stop                           | 5      | Media Resource Center                          | 23d | Robins Center Pool             | 33  | Westhampton College (main office)            |
| 38 | Camp Concert Hall                  | 16     | Milliker Gymnasium                             | 14  | Robins Hall                    | 25  | Westhampton College Tennis Courts            |
| 36 | Cannon Memorial Chapel             | 50     | Modlin Center for the Arts                     | 49  | Robins Pavilion                | 51  | Whitehurst                                   |
| 3b | Career Development Center          | 12     | Moore Hall                                     | 1   | Robins School of Business      | 37  | Wilton Center                                |
| 4  | Center for Civic Engagement        | 40     | North Court                                    | 2   | Ryland Hall                    | 9   | Wood Hall                                    |
| 5  | Chancellor's Office                | 37     | Chaplain's Office                              | 18  | Sarah Brunet Hall              |     |  |
|    |                                    | 36     | Columbarium                                    |     |                                |     |  |
|    |                                    | 3b     | Counseling and Psychological Services (CAPS)   |     |                                |     |  |
|    |                                    | 50a    | Crenshaw Field                                 |     |                                |     |  |
|    |                                    | 16     | Data Center Operations                         |     |                                |     |  |
|    |                                    | 33     | Deanery  |     |                                |     |  |
|    |                                    | 13     | Dennis Hall                                    |     |                                |     |  |
|    |                                    | 18     | Executive Education                            |     |                                |     |  |
|    |                                    | 23b    | Financial Aid                                  |     |                                |     |  |
|    |                                    | 4      | First Market Stadium                           |     |                                |     |  |
|    |                                    | 45     | Football Practice Field                        |     |                                |     |  |
|    |                                    | 22, 24 | Fraternity Rows                                |     |                                |     |  |
|    |                                    | 10     | Freeman Hall                                   |     |                                |     |  |
|    |                                    | 37     | Gazebo   |     |                                |     |  |
|    |                                    | 45     | Gotwald Center for the Sciences                |     |                                |     |  |
|    |                                    | 39     | Gray Court                                     |     |                                |     |  |
|    |                                    | 41     | Greek Theatre, Jenkins                         |     |                                |     |  |
|    |                                    | 3      | Gumnick Academic and Administrative Quadrangle |     |                                |     |  |
|    |                                    | 50     | Harnett Print Study Center and Museum of Art   |     |                                |     |  |
|    |                                    | 34     | Helman Center (dining hall)                    |     |                                |     |  |
|    |                                    | 17     | Help Desk                                      |     |                                |     |  |
|    |                                    | 51     | Housing, Undergraduate Student                 |     |                                |     |  |
|    |                                    | 8      | Human Resources                                |     |                                |     |  |
|    |                                    | 17     | Information Services                           |     |                                |     |  |
|    |                                    | 3c     | International Education                        |     |                                |     |  |
|    |                                    | 29     | Intramural Fields                              |     |                                |     |  |
|    |                                    | 47     | Jepson Alumni Center                           |     |                                |     |  |
|    |                                    | 17     | Jepson School of Leadership Studies            |     |                                |     |  |
|    |                                    | 50     | Jepson Theatre                                 |     |                                |     |  |
|    |                                    | 15     | Jeter Hall                                     |     |                                |     |  |
|    |                                    | 43     | Keller Hall                                    |     |                                |     |  |
|    |                                    | 48     | Lacrosse Field                                 |     |                                |     |  |
|    |                                    | 6      | Lakeview Hall                                  |     |                                |     |  |
|    |                                    | 19     | Law School Alumni Office                       |     |                                |     |  |
|    |                                    | 32     | Lora Robins Court                              |     |                                |     |  |
|    |                                    | 5      | Lora Robins Gallery of Design from Nature      |     |                                |     |  |
|    |                                    | 11     | Marsh Hall                                     |     |                                |     |  |
|    |                                    | 3a     | Maryland Hall                                  |     |                                |     |  |
|    |                                    | 5      | Media Resource Center                          |     |                                |     |  |
|    |                                    | 16     | Milliker Gymnasium                             |     |                                |     |  |
|    |                                    | 50     | Modlin Center for the Arts                     |     |                                |     |  |
|    |                                    | 12     | Moore Hall                                     |     |                                |     |  |
|    |                                    | 40     | North Court                                    |     |                                |     |  |
|    |                                    | 22     | Pacific House                                  |     |                                |     |  |
|    |                                    | 31     | Parking Services                               |     |                                |     |  |
|    |                                    | 40     | Perkinson Rectal Hall                          |     |                                |     |  |
|    |                                    | 27     | Physical Plant                                 |     |                                |     |  |
|    |                                    | 23c    | Pitt Baseball Field                            |     |                                |     |  |
|    |                                    | 31     | Police, University                             |     |                                |     |  |
|    |                                    | 34     | Post Office, University                        |     |                                |     |  |
|    |                                    | 26     | Power Plant                                    |     |                                |     |  |
|    |                                    | 4      | President's Dining Room                        |     |                                |     |  |
|    |                                    | 44     | President's Home                               |     |                                |     |  |
|    |                                    | 3a     | President's Office                             |     |                                |     |  |
|    |                                    | 28     | Printing Services                              |     |                                |     |  |
|    |                                    | 18     | Registrar's Office                             |     |                                |     |  |
|    |                                    | 51     | Richmond College (main office)                 |     |                                |     |  |
|    |                                    | 20     | Richmond College Tennis Courts                 |     |                                |     |  |
|    |                                    | 3b     | Richmond Hall                                  |     |                                |     |  |
|    |                                    | 23a    | Robins Center                                  |     |                                |     |  |
|    |                                    | 23d    | Robins Center Pool                             |     |                                |     |  |
|    |                                    | 14     | Robins Hall                                    |     |                                |     |  |
|    |                                    | 49     | Robins Pavilion                                |     |                                |     |  |
|    |                                    | 1      | Robins School of Business                      |     |                                |     |  |
|    |                                    | 2      | Ryland Hall                                    |     |                                |     |  |
|    |                                    | 18     | Sarah Brunet Hall                              |     |                                |     |  |



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