

# SAINT ANSELM COLLEGE

Catalogue 2013-2014



# SAINT ANSELM COLLEGE



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## CATALOGUE 2013-2014

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Saint Anselm College reserves the right to change or modify, without prior notice, the provisions, requirements and information in this catalogue and in its other publications.

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# ACADEMIC CALENDAR 2013 - 2014

## **First Semester**

August 29 -		
September 1	Thursday - Sunday	New Student Orientation
September 1	Sunday	Move-in Day for upperclassmen
September 2	Monday	Labor Day - Classes begin/Modified Schedule *
September 9	Monday	Last day to change registration
October 11	Friday	Course material due from departments
October 11 - 15	Friday - Tuesday	Fall recess begins at 5:30 PM
October 16	Wednesday	Classes resume
October 21	Monday	Mid-term deficiencies due
October 25 - 27	Friday - Sunday	Family Weekend
November 1	Friday	All Saint's Day/Modified Schedule *
November 4 - 8	Monday - Friday	Pre-registration with departments
November 8	Friday	Last day to remove "I" notation
November 27	Wednesday	Thanksgiving recess begins at 12:30 PM
December 2	Monday	Classes resume
December 3 - 11	Tuesday - Wednesday	Online Registration
December 8	Sunday	Immaculate Conception
December 11	Wednesday	Last day of classes
December 12	Thursday	Reading day
December 13	Friday	Examinations begin
December 20	Friday	Examinations end
December 21	Saturday	Grades due

## **Second Semester**

January 13	Monday	Classes resume
January 20	Monday	Last day to change registration - Martin Luther King, Jr. Day
February 14	Friday	Course material due from departments
February 28	Friday	Mid-semester recess begins at 5:30 PM
March 3	Monday	Mid-term deficiencies due
March 10	Monday	Classes resume
March 11 - 17	Tuesday - Monday	Pre-registration with departments
March 21	Friday	Saint Benedict's Day/Modified Morning Schedule *
March 21	Friday	Last day to remove "I" notation
March 31 - April 7	Monday - Monday	Online Registration
April 16	Wednesday	Easter recess begins at 5:30 PM
April 22	Tuesday	Classes resume
April 29	Tuesday	Last day of classes
April 30	Wednesday	Reading day
May 1	Thursday	Examinations begin
May 8	Thursday	Examinations end
May 9	Friday	Grades due
May 17	Saturday	Commencement

\* Modified schedule

## Location, Travel Directions

Saint Anselm College is located outside the city of Manchester, New Hampshire, approximately fifty miles north of Boston. Manchester is served by major airlines and bus companies. Bus lines connect to the campus.

### From Points Southeast

Take Rt. 93 North to Rt. 293 North, Exit left to Rt. 101 West (Bedford, Goffstown) to Junction of 101 and 114 (set of lights) then continue as described.\*

### From Points Southwest

Take Rt. 3 North. Continue to Everett Tpk. North to Rt. 101 West to Junction of 101 and 114 (set of lights) then continue as described.\*

### From Points North

Take Rt. 93 South to Rt. 293 South (Everett Turnpike) to Rt. 101 West to Junction of 101 and 114 (set of lights) then continue as described.\*

### From Seacoast

Take Rt. 101 West then continue as described below.\*

### From Points West

Take Rt. 101 East then continue as described below.\*

### \*From Junction of Rt. 101 and Rt. 114

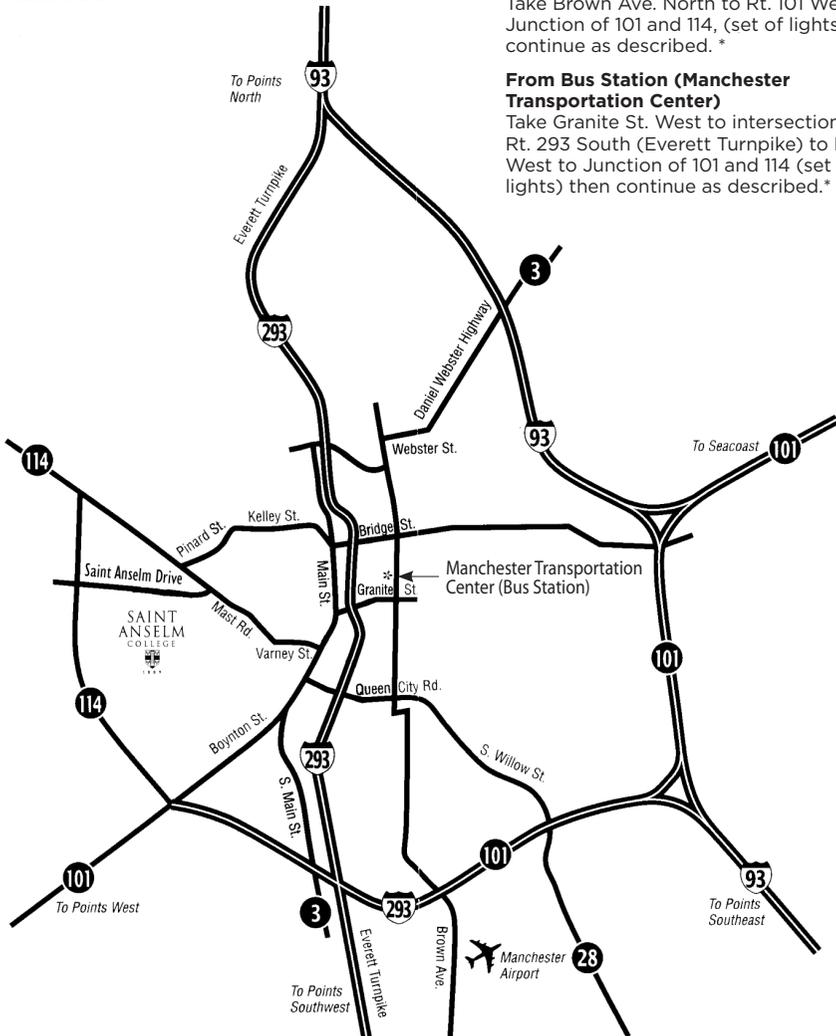
At the junction of Rt. 101 and Rt. 114, continue straight on Rt. 114 North. Continue through two sets of lights. The third set of lights is Saint Anselm Drive. Take right onto Saint Anselm Drive. Campus is approximately one mile on right.

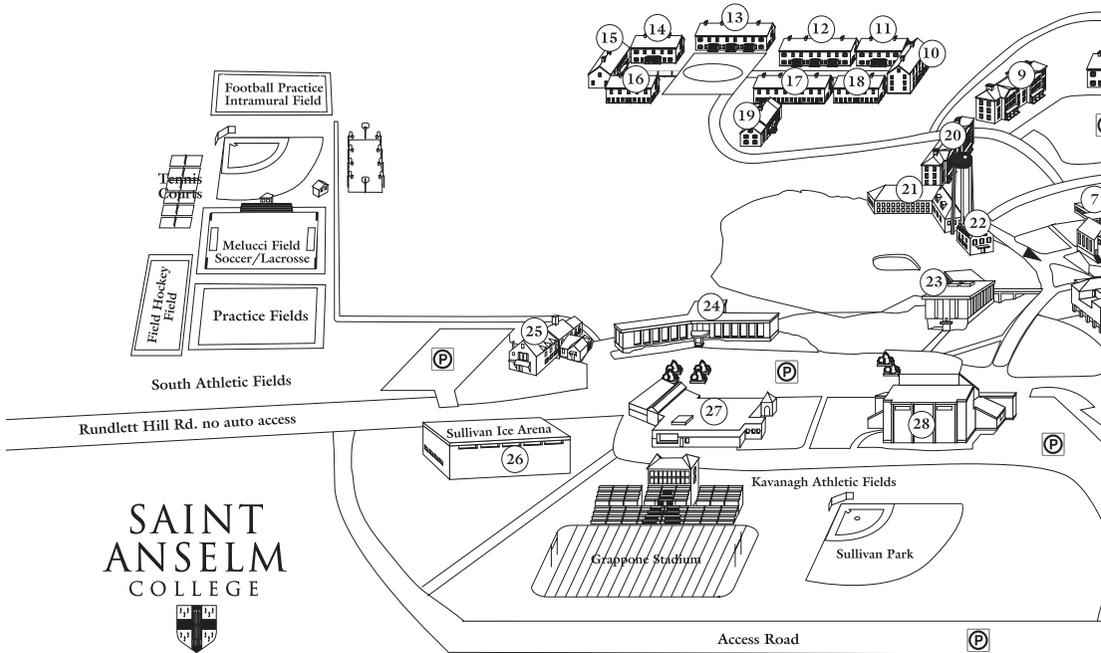
### From Manchester Airport

Take Brown Ave. North to Rt. 101 West to Junction of 101 and 114, (set of lights) then continue as described.\*

### From Bus Station (Manchester Transportation Center)

Take Granite St. West to intersection of Rt. 293 South (Everett Turnpike) to Rt 101 West to Junction of 101 and 114 (set of lights) then continue as described.\*





# SAINT ANSELM COLLEGE



## Campus Directory

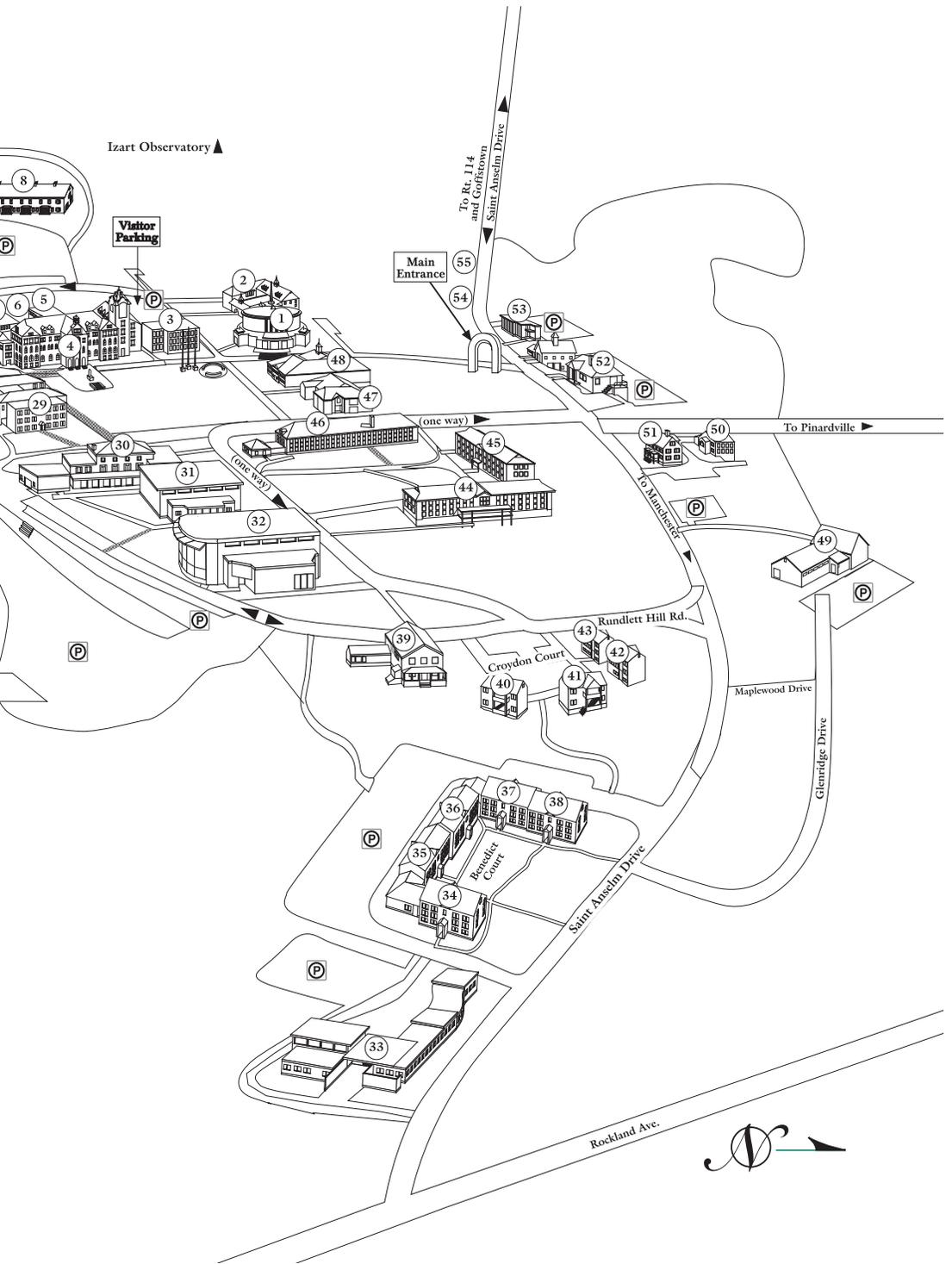
- |   |   |   |
|---|---|---|
| 1. Abbey Church*  | 22. Bradley House (faculty offices)   | 37. Cohen Hall (residence)                |
| 2. Saint Anselm Abbey*  | 23. Gadbois Hall (nursing and classrooms)   | 38. Mareski Hall (residence)              |
| 3. Joseph Hall (Faculty offices, seminar rooms)   | 24. St. Joan of Arc Hall (residence)  | 39. Raphael Hall (residence)              |
| 4. Alumni Hall (Administration, Admission, Business Office, Alva deMars Megan Chapel Art Center, Financial Aid, President, Registrar, North Hall-residence) | 25. Baroody Hall (residence)  | 40. Breck House (residence)               |
| 5. Jean Building (Bookstore)  | 26. Sullivan Ice Arena  | 41. Von Dy Rowe House (residence)         |
| 6. Print Shop / Copy Center   | 27. Davison Hall (dining)   | 42. Sullivan House (residence)            |
| 7. Coffee Shop and Pub  | 28. Dana Humanities Center (Humanities Program, Koonz Theatre)  | 43. Rowell House (residence)              |
| 8. Holy Cross Hall (residence)  | 29. Goulet Science Center   | 44. Brady Hall (residence)                |
| 9. Building L (residence)   | 30. Cushing Student Center (Academic Advising, Academic Resource Center, Campus Ministry, Career and Employment Services, Meelia Center for Community Services, Multicultural Center, Health Services, Mail Center, Student Activities) | 45. Bertrand Hall (residence)             |
| 10. Faltin Hall (residence)   | 31. Stoutenburgh Gymnasium  | 46. Hilary Hall (residence)               |
| 11. Boutselis Hall (residence)  | 32. Carr Activities and Fitness Center  | 47. Poisson Hall (Information Technology) |
| 12. Dupont Hall (residence)   | 33. New Hampshire Institute of Politics   | 48. Geisel Library                        |
| 13. Paul Hall (residence)   | 34. Danais Hall (residence)   | 49. Comiskey Center (Fine Arts)           |
| 14. Reilly Hall (residence)   | 35. Primeau Hall (residence)  | 50. Falvey House (residence)              |
| 15. Nivelles Hall (residence)   | 36. Gerald Hall (residence)   | 51. Collins House (residence)             |
| 16. Building F (residence)  |   | 52. Daley Maintenance Center              |
| 17. Curtis Hall (residence)   |   | 53. St. Mary Hall (residence)             |
| 18. Kelly Hall (residence)  |   | 54. Scholastica House (residence)*        |
| 19. Barlow Hall (residence)   |   | 55. Francis House (residence)*            |
| 20. Guerin Hall (residence)   |   | Izart Observatory (not shown on map)      |
| 21. Dominic Hall (residence)  |   |   |



Parking

Walkways

\*Saint Anselm Abbey buildings





## THE COLLEGE—GENERAL INFORMATION

### **Mission**

Saint Anselm is a Catholic, Benedictine College providing all its students a distinctive liberal arts education that incorporates opportunities for professional and career preparation. It does so in a learning community that encourages the lifelong pursuit of the truth and fosters intellectual, moral and spiritual growth to sustain and enrich its graduates' personal lives, work, and engagement within local, national, and global communities.

### **History**

Saint Anselm College was founded in 1889 by the Benedictine monks of St. Mary's Abbey of Newark, New Jersey, at the invitation of Bishop Denis M. Bradley, the first bishop of Manchester. A six-year classical course, with curricula in philosophical and theological studies, was opened to qualified students. In 1895, the General Court of the State of New Hampshire empowered the new institution to grant the standard academic degrees. From its beginning, Saint Anselm has been, and desires to remain, a small college. The school is moved to this decision not only because it wishes to accept only those students whom it can prepare efficiently for their life's work, but also because it wishes to retain the family spirit characteristic of a Benedictine institution.

### **Facilities**

The **Abbey** is the home of the Benedictine monks who conduct the College.

The **Abbey College Church** is the liturgical center of the College. The spacious upper church allows the College community to join with the monastic community for daily celebration of the Eucharist and the Liturgy of the Hours. The lower church permits smaller groups of the community to assemble for worship and houses the Lady Chapel, and the St. Basil Byzantine Chapel.

**Alumni Hall**, the first building erected on campus, houses the administrative offices and some classrooms.

**Bradley House**, named in honor of Bishop Denis M. Bradley, the first bishop of Manchester, contains faculty offices.

The **Carr Activities Center**, named in honor of John Maurus Carr, is a multi-purpose complex housing intramural and recreational sports facilities, and a fitness center. The center also houses athletic offices and is used for concerts and social events. A 7,000 square foot addition was opened in February 2009.

The **Alva deMars Megan Chapel Art Center** is the College's gallery for the exhibition of fine art. Founded in 1967, this facility is a gracious setting for specially curated exhibitions and also houses a small permanent collection. Formerly the College's chapel, the gallery has a beautifully decorated vaulted ceiling with allegorical lunettes, and magnificent stained glass windows. Its uniquely serene ambiance and rich historical significance make for the perfect cultural setting for fine arts exhibitions, lectures, tours, concerts, and recitals.

The **Coffee Shop and Pub** offers dining and snack services to students, faculty and staff.

**Comiskey Center**, named in honor of Professor Edward J. Comiskey, Jr., features classroom space, fine arts studios and a small theater.

**Cushing Center**, named in honor of Richard Cardinal Cushing, contains the College mail center, Academic Resource Center, offices for the Student Government and student activities, The Center for Experiential Learning which includes the Office of Career Services, the Internship Office, the Meelia Center for Community Engagement and the Study Abroad Office, Multicultural Center, Campus Ministry Center, and the Office of Academic Advisement, and recreational and meeting rooms.

The **Charles A. Dana Humanities Center** includes the 590-seat Ann and Joseph Koonz Theatre, seminar rooms, the offices of the Humanities Program, and the office of Campus Events.

**Davison Hall**, named in honor of Robert C. and Lucille E. Davison, contains the College dining facilities and the offices of Dining Services.

**Gadbois Hall**, named in honor of Edgar L. Gadbois, contains facilities for the Department of Nursing, including classrooms, laboratories, and faculty offices.

**Geisel Library** was constructed in 1960 as a result of a large gift from the Honorable Joseph H. Geisel of Manchester. It houses more than 240,000 volumes as well as some 1,100 periodical titles maintained in-house and another 36,000 titles accessed online via the library web page. The collections also include 4,800 VHS and DVD recordings, 75,000 microforms, 2,300 compact discs. It also contains several special collections including rare books pertaining to New England history and culture and the Institute of Saint Anselm Studies, a center for research on the life of Saint Anselm of Canterbury. The Library also houses the Information Technology help desk and the Learning Commons.

**Goulet Science Center**, named in honor of Leon and Elizabeth Goulet, houses the Departments of Biology, Chemistry, Physics, and Psychology. The center contains modern laboratories and classrooms, the Weiler Computer Center, Perini Lecture Hall, a science reading room, library and green houses.

**Grappone Stadium**, named in honor of John and Ruth Grappone, seats 2,500.

**Izart Observatory**, named in honor of J. Henry Izart, provides facilities for celestial observation and instruction in astronomy.

**Jean Hall**, named in honor of Joseph F. Jean, houses the Bookstore.

**Joseph Hall**, named in honor of Bishop Joseph J. Gerry, O.S.B., houses the departments of Economics and Business, Education, History and the Father Peter Guerin, O.S.B., Center for Teaching Excellence.

**Thomas A. Melucci, Jr., Soccer and Lacrosse Field**, is named in memory of the members of the Class of 1988.

**New Hampshire Institute of Politics at Saint Anselm College** is located at the intersection of Saint Anselm Drive and Rockland Avenue, on the lower campus. Dedicated in 2001, this 20,000-square foot facility includes a large auditorium, classrooms, seminar rooms, offices, a research center, conference rooms, a reading room, and a resource center with state-of-the-art technology. The Institute also houses the Department of Politics.

**Poisson Hall**, named in honor of Albert D. Poisson, houses the Office of Information Technology, the Academic Computing Center, classrooms, the Computer Science Majors Laboratory, and the Computer Science department and faculty. Facilities include the central campus DEC Alpha systems, a computer classroom, and the media center, and Internet and intranet management services for the College.

The **Dr. James J. Powers Health Services** facility is located on the lower level of the Cushing Center.

The **Stoutenburgh Gymnasium**, named in honor of William J. Stoutenburgh, is the home of varsity athletic teams playing on Al Grenert Court and provides facilities for some intramural activities, athletic offices, equipment, laundry, training and locker rooms.

The **Thomas F. Sullivan Arena**, opened in September 2003, is home to Saint Anselm College's men's and women's ice hockey teams, as well as youth hockey programs and open skating sessions for staff, students, and families. Planned seating capacity after phase two of the construction is 2,400 for hockey and 4,250 for other non-ice events.

**Residence halls:** Housing on campus can accommodate 1,700 students in a variety of living arrangements, from traditional residence facilities to apartment-style living. We have co-educational housing options as well as single sex facilities—all with a limited intervisitation policy. The residence

facilities are Second Street, Third Street, Baroody Hall, Falvey House, Robert and Dorothy Collins House, Bishop Matthew F. Brady Hall, Abbot Bertrand C. Dolan, O.S.B. Hall, Abbot Hilary Pfraengle, O.S.B. Hall, Father Dominic Scherer, O.S.B. Hall, St. Joan of Arc Hall, St. Mary Hall, and Holy Cross Hall. Croydon Court includes Father Raphael Pfisterer, O.S.B. Hall, Von Dy Rowe House, Annie L. Rowell House, Joseph E. Sullivan House and M. Constance Breck House. Benedict Court consists of Conrad and Millicent Danais Hall, Abbot Gerald McCarthy, O.S.B. Hall, Bishop Ernest J. Primeau Hall, Anthony V. and Helen Mareski Hall, Benjamin S. and Marian C. Cohen Hall. Father Bernard, O.S.B., Court includes Thomas J. Paul Hall, John J. Reilly, Jr., Hall, Sister Nivelles Berning Hall, Joseph E. and Margaret M. Faltin Hall, Maurice Arel Hall, Charles T. L. and Laura Barlow Hall, John and Elizabeth Boutsellis Hall, Thomas Curtis Hall, Frank J. and Eileen Kelly Hall, Joseph and Gemma Dupont Hall and William Guerin Hall.

### **Accreditation and Memberships**

Saint Anselm College is accredited by the New England Association of Schools and Colleges, Inc. It holds membership in the Association of American Colleges & Universities, The American Council on Education, the National Catholic Educational Association, Council of Independent Colleges, Association of Catholic Colleges & Universities, Campus Compact for NH, Council for Higher Education Accreditation, The College Board, The New England Council, The Association of Benedictine Colleges and Universities and the National Association of Independent Colleges and Universities. The College is on the approved list of the American Chemical Society and of the New Hampshire State Board of Education for teacher training. The baccalaureate program in nursing is fully accredited by the Commission on Collegiate Nursing Education and fully approved by the New Hampshire Board of Nursing. The Department of Nursing is a member of the American Association of Colleges of Nursing, the Commission on Collegiate Nursing Education, the Council of Baccalaureate and Higher Degree Programs of the National League for Nursing, and the Nightingale Society. The Continuing Nursing Education program is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

### **The New Hampshire College and University Council**

Saint Anselm College is a member of the New Hampshire College and University Council, a consortium of New Hampshire institutions established for the purpose of institutional cooperation. Members include:

- Antioch University of New England
- Colby-Sawyer College
- Community College System of NH
- Dartmouth College
- Franklin Pierce University
- Granite State College
- Hellenic American University
- Keene State College

- MA College of Pharmacy & Health Sciences Manchester
- New England College
- New Hampshire Institute of Art
- Plymouth State University
- Rivier University
- Saint Anselm College
- Southern NH University
- University of New Hampshire

A student exchange program allows students of one Council member institution to register for courses at other participating institutions.

### **The Alumni Association**

The Saint Anselm College Alumni Association was organized in 1906. Membership is open to all holders of academic degrees conferred by the College and all other persons requesting membership who have completed at least one semester at the College. The purpose of the Association is to extend and support the College's mission, assist the College in building resources necessary to support the continued development of the College's student body, faculty, facilities and academic programs, and foster mutually beneficial relationships and connections among alumni.

## ATHLETICS

### **Intercollegiate Athletics**

Saint Anselm considers intercollegiate athletics an important aspect of life at the College, both for those who participate in team sports and for the larger college community. Saint Anselm seeks to provide an intercollegiate program that gives each student-athlete the same opportunities in fostering a commitment to excellence through teamwork, leadership, healthy competition and good sportsmanship.

Saint Anselm College is a Division II member of the National Collegiate Athletic Association, the Northeast-10 Conference, the Eastern College Athletic Conference, and other regional and national athletics organizations. Sports for men include baseball, basketball, cross-country, football, golf, ice hockey, lacrosse, skiing, soccer, and tennis. Sports for women include basketball, cross-country, field hockey, ice hockey, lacrosse, skiing, soccer, softball, tennis, and volleyball.

### **Intramural Sports**

The College provides a well-rounded program offering activities that appeal to the student body regardless of skill level. More emphasis is placed on participation and the activity itself. Intramural activities include basketball, flag football, floor hockey, ice hockey, indoor soccer, softball, co-ed ultimate Frisbee, and co-ed volleyball.

### **Recreation Program**

The recreation program focuses more on lifetime skills. Typical activities include tennis instruction, tennis tournament, racquetball clinic, racquetball tournament, golf instruction, fitness center and yoga.

## ACADEMIC SUPPORT SERVICES

### **Academic Advisement**

The central function of the Office of Academic Advisement is to help students define and achieve their education goals; whether those goals are as simple as choosing the correct elective courses during pre-registration or as complex as selecting and applying to graduate schools.

The Office of Academic Advisement, in collaboration with the faculty of the academic departments, provides multi-faceted individual and group advising services and activities. Students with a declared major are assigned a faculty member from their major department; undeclared students are assigned a faculty member from the “Undeclared Advising Team.” Through their commitment to the individual student, faculty advisors seek to accomplish two fundamental goals: help each student develop meaningful relationships within the academic community, and help foster the academic and personal development of each student.

In this developmental advising process, advisors assist students in the evaluation of their educational progress, helping them focus on the selection of an educational program consistent with their interests, skills, and life goals.

Although the responsibility for fulfilling both the general academic requirements of the College and the specific requirements of departmental majors rests exclusively with each student, advisors are available to provide information regarding policies, procedures, requirements, and educational options.

Each semester the Office of Academic Advisement offers a variety of services including workshops on graduate and law school. Individual appointments with the Dean of Freshmen / Director of Academic Advisement are available for students to discuss major selection, graduate school planning and the application process, personal statement review, and other academic related issues.

### **Academic Resource Center (ARC)**

The Academic Resource Center offers students assistance in developing or refining the academic skills that lead to college success. The Center’s professional and student staff provide services such as academic

counseling, learning skills instruction, writing support, and peer tutoring. The ARC also serves as a computer center with 20 workstations and wireless Internet connectivity for laptop computers. The Center is equipped with large tables for small group study and for peer tutoring. The adjacent classroom is available for review sessions, workshops, seminars, individual tutoring sessions and small group presentations.

**College Achievement Program (CAP)** – An 8-week program to help first-year students develop skills and strategies essential for academic success. Based on Stephen R. Covey's 7 Habits of Highly Successful College Students, CAP includes lessons in the following: goal setting and self-management, proactive behaviors and leadership skills, organization and time management, reading and note taking, concentration and memory, critical thinking and test preparation, balanced living, and strategies for personal achievement. The aim of this non-credit program is to assist students in making a successful transition from high school to college. The program is tailored to the first year curriculum. Through weekly 75 minute sessions, CAP provides the opportunity for students to develop the strategies and strengthen the skills essential for college success. Many successful students have attributed their success in college to this program.

**The Writing Assistance Program** – The goal of the Writing Assistance Program is to support students as they strive to become more effective writers. Writing assistants do not evaluate or correct essays. Rather, they assist students at various stages of the writing process from brainstorming to proofreading. They will discuss essay topics, review drafts, and encourage students to revise their work. Writing assistants work with students to help them develop composing and revising strategies applicable to all writing assignments.

**The Peer Tutor Program** – The Peer Tutor Program is designed to provide all Saint Anselm College students quality academic assistance free of charge. Peer Tutors offer individual and small group tutoring in most courses. This program supplements the assistance provided by faculty members. Peer Tutors are Saint Anselm sophomores, juniors and seniors employed by the Academic Resource Center. All Peer Tutors have been recommended by faculty and have participated in ongoing staff development workshops. Currently, over 50 students tutor across the curriculum. With over 1,500 tutoring sessions held each year, the Peer Tutor Program has become a vital academic support service at Saint Anselm College.

**Services for Students with Disabilities** – The ARC arranges for academic accommodations for students with disabilities. Students with appropriately documented disabilities who are enrolled at Saint Anselm College may be eligible for reasonable accommodations. Academic accommodations at Saint Anselm College may include extended time for exams, a distraction-reduced environment, help with note-taking, special seating arrangements, and the use of tape recorders in class. It is the student's responsibility to contact and submit documentation of a disability to the ARC. Students should allow three weeks for the evaluation and decision on the documentation submitted.

## STUDENT SUPPORT SERVICES

### **Campus Ministry**

Campus Ministry, rooted in the Gospel of Jesus Christ, proclaims and nourishes our faith in God through prayer and work to encourage lives that are creative and generous. At the service of the entire college community (students, faculty, staff, alumni, parents and guests) the student leaders and professional staff offer opportunities to become informed, to develop spiritually and become involved on behalf of others.

### **College Health Services**

In support of the educational mission of Saint Anselm, College Health Services seeks to educate students to live a healthy life style as an important determinant of overall health, and to ensure the responsibility of the individual as an active participant in maintaining personal health.

College Health Service is a holistic health service which includes medical services, counseling services and health education. In each of these areas, the staff endeavors to assist the student to make responsible life choices which affect future health and well-being and lead to an integrative balance of the many aspects of the self.

Medical Services are available to resident students as part of their room and board. Non resident students may utilize the clinic for a small annual fee. A registered nurse and/or advanced registered nurse practitioner is in attendance at specified times. A physician is available at the clinic twice a week and is available for consultation and referral at other times. All health service visits and records are confidential. Because our approach is multidisciplinary (involving nursing, medical and counseling professionals) in certain instances our staff members confer with one another to better coordinate care. In addition, nursing staff members are available for health related educational presentations in residence halls, to clubs, to athletic teams or in the classroom.

A health assessment form is sent to each student who has been accepted for admission. All students planning to enroll at Saint Anselm College are required to complete this form and to return it to the College. Registration for classes and campus housing assignment will be made only after receipt of a completed assessment form.

Counseling services are available to all resident and non-resident students on a short-term individual basis. The College encourages students who are having difficulties of a personal, emotional or social nature, or who simply need support and encouragement, to seek the services of a personal counselor. All communications are directly between the counselor and student, are confidential, and do not become a part of academic or other college records. Students needing continued long-term counseling will be assisted with resources in the local community. During each semester, counseling services may offer a number of supportive and therapeutic groups and educational programs related to mental health issues.

The **College Health Committee** is composed of administrators, faculty, staff, and students. Committee members meet regularly during the academic year and serve in an advisory capacity to the Director of Health Services on issues of campus health and student support services.

**C.H.O.I.C.E.S.**, an alcohol and other drug education program, is available to students through College Health Services. This program has several different components or levels and is designed to influence lifestyle risk reduction by presenting research based information and exploring attitudes about alcohol and other drug use. Completion of an online AlcoholEDU program is required of all incoming new students pre-matriculation to the college.

The **Saint Anselm College Emergency Medical Service** (SACEMS) includes students who are nationally certified EMT's and are licensed in the State of New Hampshire. They respond to emergency situations on campus where there is a need for emergency medical attention. These student volunteers work under the direction of and in close cooperation with Health Services and Campus Safety and Security.

### **Extracurricular Activities**

While the development of the intellectual life is the primary reason for a student's enrollment in a liberal arts college, a college education includes more than the hours spent in classrooms, libraries, and laboratories. Students are encouraged to attend and to participate in the liturgical, artistic, cultural, recreational, charitable and social activities which are sponsored by or through the College. Membership and participation in student organizations or activities provide valuable practical experience in interpersonal relations and lead to the development of initiative, leadership, responsibility and fair play, all of which are critical to the realization of a mature personality and a meaningful life.

A complete listing of extracurricular clubs and organizations is published in the Student Handbook.

### ***Alva deMars Megan Chapel Art Center***

Saint Anselm College seeks to integrate the visual arts as a vital part of a student's education. In addition to course offerings relating to the visual arts, Saint Anselm College supports a wide variety of opportunities for enrichment in the visual arts outside the classroom.

The Chapel Art Center organizes several specially curated and traveling art exhibitions each year, ranging in subject from religious and historical themes to modern and contemporary movements. The Chapel Art Center also houses a permanent collection of paintings, drawings, prints and sculpture that is frequently included in exhibitions.

Annually, the Chapel Art Center hosts the Juried Fine Arts Student Exhibition, which features selected works by Saint Anselm College Fine Arts students. A number of students also serve as Gallery Attendants, assisting in exhibition installations and staffing the gallery for public viewing and special events.

Receptions, lectures, recitals, small seminars, and classroom discussion groups are regularly scheduled within this artful setting, to facilitate visual literacy and artistic knowledge.

### **Theatre Performances**

Theatre performances at Saint Anselm College are regularly produced by the Anselmian Abbey Players, the student theatre interest organization on campus, and are performed in the Koonz Theatre of the Dana Humanities Center. From their first production in 1949 of *Career Angel* the Abbey Players have consistently produced high quality theatre performances. This student organization currently presents five annual major productions: the Family Weekend Show, the Fall Production, student-directed One-Act plays, the Spring Musical, and Shakespeare scenes. Students interested in learning about and participating in all phases of theatre production are encouraged to join.

## **THE CENTER FOR EXPERIENTIAL LEARNING**

Serving as the central coordinating point for the College's co-curricular activities that promote professional, social and civic development, the Center for Experiential Learning (CEL) was established in 2010. Comprised of four professional offices, the Career Services Office, the Internship Office, the Meelia Center for Community Engagement and the Study Abroad Office, the Center strives to be the institutional leader in developing students to become ethical leaders for a global society. Through applied transformative experiences and programs, the CEL prepares Saint Anselm College students to be professionally resilient ethical leaders and global citizens. Through collaborations with faculty, alumni community and business partners, the CEL provides innovative learning opportunities while addressing societal interests and needs.

The Center for Experiential Learning strives to...

- serve as a cohesive campus unit that governs all aspects of experiential education;
- foster engaged learning opportunities for our students by strengthening partnerships with community based organizations, businesses, agencies and alumni;
- showcase the College's commitment to fostering civic engagement amongst our students;
- enhance the professional development of our students through interconnected campus partnerships;

### **Office of Career Services**

As a liberal arts college, Saint Anselm provides an educational foundation which allows its students to make informed judgments regarding career options, including graduate or professional school and employment opportunities. The Office of Career Services offers assistance to students and recent graduates in planning careers and identifying experiential or professional opportunities.

General information on career fields, potential employers, job search strategies, professional preparation and expectations, and graduate or professional schools is available both in print and online. In addition

workshops, alumni visits and special events regularly address topics such as resume writing, job search correspondence, interviewing and career investigation.

Individual counseling is offered to students in order to develop a specific career plan that best meets the student's needs. Self-assessment tools, including occupational selection and personality type, are available to students who require an in-depth exploration of career-related issues. Students are encouraged to utilize the office's services prior to their senior year in order to fully develop and understand their skills, interests and values in relation to employment and graduate school opportunities.

Saint Anselm maintains contact with a variety of external organizations and constituencies which offer both on-campus recruitment activities and, as a service to students, provides listings of full-time, part-time and summer employment opportunities. Additionally, the College offers a secure website specifically for students that features local, regional and national job and internship posting boards, as well as tutorials and special topics relating to career exploration, preparation and professionalism.

### **Internship Office**

Since its inception over twenty-five years ago, the Saint Anselm College Internship Office has served as a support system to the businesses, organizations and agencies throughout local, national and international communities, as well as to students. Students learn about the nature of the workplace and how organizations and people function together to create a network of contacts and opportunities. Internships enable students to explore career options while assisting community partners and other College constituents in enhancing the productivity of their respective businesses.

Students are committed to a specified amount of hours at each site, while also attending a bi-weekly academic seminar. The seminar serves as the reflective component of the program; thus being the focal point of learning. Additionally, the seminar serves as the prime arena where theory and practice are discussed, providing students with the opportunity to engage one another in professional development issues that will ultimately enhance their own professional, civic and social growth.

During the academic year, the Internship Office offers hundreds of internship opportunities in the Manchester and surrounding areas. The program works in conjunction with area businesses, industries and organizations to provide the Saint Anselm student with the best professional experience the New England area has to offer.

Summer internships are also a very popular option for students. Upon approval of a summer internship proposal, students may participate in internships anywhere in the United State or abroad. Students often use this opportunity to intern full-time and gain invaluable experience in their respective field of choice. The academic component remains prevalent in the program. Distance learning technology is utilized for the review and submission of all assignments.

The Internship Office also partners with organizations to offer specialized semester-long opportunities for students in New York City; San Francisco, California; Washington D.C.; Toronto, Canada; and Singapore.

Although the Internship Office serves as the central advising point for all students interested in any internship, students participating in the internship program are typically interested in business related internships and receive academic credit for their participation. Dependent upon the needs of the student and agency, students commit 120-240 hours each semester working at the internship site. Upon the successful completion of the internship and seminar, students are awarded academic credit. Generally counted as “electives,” credits garnered from the internship program may be used to fulfill graduation requirements.

Areas of internship interest include:

- Advertising
- Marketing
- Education
- Graphic Design
- Public Relations
- Journalism
- Financial Planning
- Politics
- Human Services
- Communications

### **The Meelia Center for Community Engagement**

The Meelia Center for Community Engagement supports the mission of Saint Anselm College by preparing students to be ethical leaders and informed citizens who contribute to a more just community and world. The Meelia Center accomplishes this by promoting, organizing and supporting volunteer service, service-learning, civic engagement and the development of student leadership.

Students, faculty and staff can volunteer with community agencies and schools that serve children, the homeless, the elderly, people with special needs, those with mental illness, and the incarcerated, just to name a few. Each semester, hundreds of students commit two or more hours per week at over 40 local agencies. The Meelia Center arranges community placements based on volunteer skills and interests, and assists with transportation as needed. New initiatives are launched nearly every year to respond to ideas that students have, or community needs that are brought to our attention.

Students can also volunteer for occasional projects and special events such as Special Olympics events, annual children’s festivals, park clean-ups, food drives, college shadowing days and others. The Meelia Center works closely with student organizations and residence halls to help connect groups of students wanting to get involved with agencies in need of assistance.

The Meelia Center keeps pace with student initiative and community requests by encouraging and developing student leadership. The Center

employs over 40 Student Coordinators and office staff (mostly work-study students) to help recruit, place and support volunteers. In fact, the Center engages students in office and staff management positions. . Much of this coordination is done right from the agency where the student leaders serve clients directly and coordinate the service of their fellow students. The Center helps these coordinators gain the knowledge and skills necessary to be effective leaders.

The Meelia Center also supports service-learning on campus. Service-learning is an educational strategy that applies important course concepts through significant service to the community. Each semester around 200 service-learners engage in the community where they learn their course concepts more deeply, strengthen their professional skills and clarify their goals for the future. Each year service-learning is integrated into at least 10 academic departments and thirty courses, from Nursing and Psychology to Computer Science and Theology.

### **The Study Abroad Office**

The Study Abroad Office at Saint Anselm College aims to provide study abroad experiences that will offer students growth in global awareness, intercultural competence, and intellectual enrichment.

Saint Anselm College's Study Abroad Office offers students many options and highly encourages every qualified student to study abroad for a year, a semester, or a summer. Students report that time spent abroad enriches their college experiences and provides them with many academic and personal rewards.

The College offers numerous study abroad and cross-cultural opportunities through partner institutions and partnerships with study abroad providers. Through these connections, students may elect to spend a semester or summer abroad throughout the world. In recent years, students have studied in Australia, Austria, Cambodia, China, Costa Rica, England, France, Germany, Ireland, Italy, Morocco, South Africa, Spain, and Thailand.

The Associate Director serves as the advisor for study abroad and works one-on-one with all students interested in studying overseas. The Study Abroad Office has program material for students to review at their convenience. To participate in any study abroad program, students must apply, meet all program requirements, and have their proposed studies approved in advance by the appropriate academic department and the Study Abroad Office. (For further details, contact the Study Abroad Office.)

Students participating in approved study abroad programs through other colleges and universities are considered to be continuously enrolled at Saint Anselm College. Faculty-led study abroad programs are often offered during the summer and the January Intersession.

## **INFORMATION TECHNOLOGY**

The Office of Information Technology plays a leading role in guiding and supporting the integration of technologies on campus. The goal is to help Saint Anselm College faculty, students, and staff use technologies in learning, teaching, research, and administrative settings.

Facilities include several student computing centers, one in the Goulet Science Center, one in Cushing Center, one in Poisson Hall, and the Learning Commons in Giesel Library. All computers are connected to the campus fiber optic network, which also provides high-speed access to the Internet. The Weiler Computing Center in Goulet has 20 Pentium-based personal computers and 20 iMAC Macintosh computers, the Academic Resource Center Lab in Cushing Center is equipped with 20 Pentium-based personal computers and the Poisson Hall classroom, which doubles as a public lab when not in use for classes, houses 30 Pentium-based computers. All computing centers provide laser printers, scanners, and a variety of computer applications, including word processors, database programs, statistical analysis programs, and online tutorials.

The College provides Campus with 200MB connection to the Internet and has installed a campus-wide fiber optic backbone network supporting additional services, such as electronic mail, satellite television, and Internet access from all facilities, including faculty and staff offices, classrooms and all residence halls. The College also provides wireless network access, the newest generation of hi-speed wireless available today. Wireless is available in the Library, Coffee Shop, Cushing Center, all classrooms, faculty offices and all Residence Halls. The College requires users to adhere to an Acceptable Use Policy available on the College's web site and in the student handbook.

All students living in campus-owned housing have network access and satellite television services. Many academic departments, administrative offices and student service programs provide information online via the myAnselm Campus Portal and the College's web pages. The Office of Information Technology maintains the campus card system, supporting meal plan options, purchasing privileges, laundry and building access privileges. Lost or stolen cards can be invalidated and the patron account protected by single entry to a system database.

Information Technology provides computer and video-based presentation services to the College community, including equipment on several computer platforms for the production of multimedia programs and computer graphic slides and overheads. Video services consist of DVD/VCD, VCR equipment, camcorders and monitors for playback and recording purposes and a linear editing system for piecing simple video programs together and the duplication of videotapes for academic use.

## ADMISSION

Saint Anselm College is an academic community whose students bring a wide variety of backgrounds and interests to the campus. All qualified students are eligible for admission to Saint Anselm regardless of race, age, sex, physical ability, sexual orientation, religion, or national origin.

The Office of Admission is looking for students who have demonstrated a capacity for academic achievement and who possess intellectual curiosity, strength of character, and an awareness of social responsibility.

Admission to Saint Anselm is competitive. When reviewing applications, the Admission Committee will evaluate your application based on a number of factors: the rigor of your high school curriculum; academic achievement; standardized testing; (optional for all majors except nursing) writing ability; co-curricular activities, particularly evidence of leadership; and letters of recommendation from your college counselor and teachers. First-Year candidates for admission are required to submit a completed First-Year Common Application including essay, a Saint Anselm College Supplemental Information Form, an official secondary school transcript(s), a teacher evaluation form from an academic teacher in your last two years of secondary school, a school report form, and a \$50 non-refundable application fee or fee waiver. The results of the SAT or ACT examination(s) are required for nursing majors and are optional for all other academic majors.

The completion of a minimum of 16 acceptable units of secondary school course work or its equivalent is usually required for admission to the freshman class. Such preparation typically includes four years of English; three or more years of a laboratory science and mathematics; two or more years of social science; and additional credit electives. The College recommends a minimum of two years of a foreign language study; however the college believes that a student will be better served with the completion of three or four years of foreign language study.

### **Application for Admission**

All first-year candidates for admission must submit by the established deadline a completed First-Year Common Application. Saint Anselm College is an exclusive user of the Common Application (either the online

or paper version). A non-refundable fee of \$50 must accompany the application, unless a waiver is being requested.

First-Year Candidate for Fall Semester Admission Application Deadlines:

- Early Action – November 15
- Nursing Majors – November 15
- Regular Decision – February 1

The **Early Action Plan** is a non-binding program. This plan notifies a student on or before January 15 if they have been accepted without requiring a non-refundable \$400 enrollment deposit until May 1.

If you apply for the **Regular Decision Plan**, you should return all application materials to Saint Anselm College no later than February 1. Notification regarding acceptance is between February 15 and April 1st.

The **nursing major** at Saint Anselm College is a four year program with a determined number of participating students. Consequently, the college can accept only a limited number of first-year applicants. External or internal (change of major) transfer applicants for the nursing program are extremely rare. To ensure a place in the nursing program, interested candidates must indicate this preference at the time of submitting an application and must apply Early Action, November 15.

### **Postponed Admission**

Saint Anselm College offers the opportunity for an admitted first-year candidate to postpone attendance for one or two semesters. A student who wishes to postpone enrollment must request this in writing and explain the reason(s) for the postponement to the Director of Admission, Saint Anselm College, 100 Saint Anselm Drive, Manchester, NH 03102-1310. Only candidates who have paid the non-refundable enrollment deposit may seek a postponement.

### **Advanced Placement**

Saint Anselm College participates in the Advanced Placement Program of the College Entrance Examination Board. Students who receive a grade of “3” or better in the Advanced Placement Examinations may with certain exceptions be granted advanced placement and credit in the appropriate subject. Applicants who have completed examinations under the College Level Examination Program (CLEP) may receive advanced placement and credit if the scores are acceptable to the College.

### **International Baccalaureate**

Saint Anselm College recognizes credit earned through the International Baccalaureate (IB). Of the two IB examination levels (Higher Level and Standard Level), the College recognizes the Higher Level examinations where a score of 5, 6, or 7 has been achieved. Credit will not be given for Standard Level examinations.

In general, the equivalent of one or two courses is issued for each acceptable exam result. Individual academic departments at Saint Anselm vary in how

and if they award credit for students who have taken the IB Higher Level examinations. This information outlines the standard policies; should you desire further explanation, please consult the appropriate academic department. Each successfully completed Higher Level examination with the conditions noted must be submitted to the Office of Admission prior to a student's matriculation at the College. Students who have taken both AP and IB examinations do not receive credit/placement for both.

### **Transfer Students**

Students from other colleges who desire to enter Saint Anselm College with advanced standing are required to complete a Common Application Transfer Application and submit a complete record of all previous high school and college work. Normally, full credit is awarded for college courses in the liberal arts in which a grade of "C" (2.00) or higher has been achieved at an accredited college or university within the last eight years. Provided that the equivalent of the general requirements of Saint Anselm and the basic courses in the field of concentration have been fulfilled, a transfer student should be able to complete a degree program without loss of time. Students transferring from other institutions generally are required to spend at least two years and to undertake the majority of studies in the major at Saint Anselm before receiving a degree. All students must spend the complete senior year at Saint Anselm and fulfill all of the College's requirements for graduation. Advanced standing is provisional and transferred credit may be withdrawn if subsequent academic performance fails to justify the credits allowed at the time of entrance.

### **International Candidates**

Saint Anselm College is authorized under United States Federal Law, Immigration and Nationality Act, to enroll non-immigrant alien students. Applicants are required to follow the regular admission procedures. International applicants must also provide a satisfactory score on the Test of English as a Foreign Language examination (TOEFL), a certification of health and accident insurance, and a request for a Certification of Eligibility. Academic transcripts must be certified as official. Transcripts in languages other than English must be accompanied by official and certified English translations, and authentic verifying statements and signatures. Final verification should be attested to by a United States Embassy or Consular official. Because financial aid is limited for international students, all applicants must submit the International Student Financial Aid Application. International citizens who need financial aid are precluded from applying for January entrance.

### **Visiting Student Program**

The Visiting Student Program at Saint Anselm College is open to a limited number of students who wish to spend one or two semesters as non-matriculating students at the College. Applicants must be currently enrolled in a degree-seeking undergraduate program at another accredited four year college or university and will have completed one full year of college course work by the time of enrollment. Visiting Students may use

their Saint Anselm course for credit at their own college or university. We recommend that Visiting Students plan their curriculum in advance and consult with their dean or academic advisor to make sure the credits will transfer back to their home institution.

Applications are welcome from well qualified students with strong academic records who are enrolled in accredited colleges or universities. The filing date for submission of all application materials is May 1 for the fall semester and November 1 for spring semester entrance. Applications for fall semester will be considered after the published deadline on a space available basis. Due to timeline requirements for processing a Visa, international students are welcome to apply for the fall semester only.

### **RN to BSN Program**

Students will be admitted to the RN to BSN program who have graduated from accredited associate degree nursing programs and who hold a current registered nurse license. If the applicant has not worked in the role of a registered nurse within the last 5 years, a competency lab and medication/math exam will be scheduled and must be passed with a score of 90% or higher. Students may apply for admission throughout the year and applications will be reviewed on a rolling basis.

To apply for admission, RN to BSN students must complete the following:

- Transfer Common Application – paper or online at [www.commonapp.org](http://www.commonapp.org)

- Common Application Supplement – paper or online at [www.commonapp.org](http://www.commonapp.org)

- Non-refundable application fee of \$50

- Official and final high school transcript

- Official college transcript

- Goal Statement & Summary of Nursing Experience

- Copy of Registered Nurse License

- Interview with director of RN to BSN program

- Health Requirements/CPR/Liability Insurance (Department of Nursing Handbook)

### **Spring Semester Admission**

Saint Anselm College does admit new first-year, transfer, and RN to BSN students for the spring semester which begins in January. Candidates should follow the regular admission procedures. Priority will be given to all applicants who apply on or before December 1.

### **Campus Visits**

Candidates for admission are encouraged to visit the campus and are invited to write or call the Office of Admission for information. Although campus interviews are not required of applicants, they provide an opportunity to discuss academic programs and to view the facilities of the College. The Office of Admission offers interviews, information sessions and campus tours on a regular basis.

## ACADEMIC REGULATIONS

### **Registration**

All students must register at the times indicated in the College calendar. Those who fail to register on the appointed dates will be charged a fee for late registration. Students may register for no more than five courses in any one semester. Five courses per semester for eight semesters (a total of forty semester courses) are required for the baccalaureate degree and constitute the normal student course load. Academic work undertaken at other accredited collegiate institutions subsequent to enrollment at Saint Anselm must have the prior written approval of the Dean of the College or of the Registrar. Credit will be granted only for those courses which have been approved by the Registrar and for which a grade of “C” or better is earned. Students who complete fewer than five courses per semester will be required to supplement their work by attendance at summer school or additional semester sessions. Unless otherwise indicated, each course is scheduled to meet the equivalent of three fifty-minute class “hours” per week.

### **Class Attendance**

Students are expected to attend every class meeting of each course for which they are registered. Students are to consult the Student Handbook for the details of the class attendance policy.

### **Withdrawal From Classes**

From the beginning of the semester until early in the second week, student may “drop” (withdraw from) a course through the Office of the Registrar without a grade penalty. After that, during the remainder of the first half of the semester, a student may withdraw from a course without grade penalty by completing a withdrawal form with his or her academic advisor. During the second half of the semester, until two weeks prior to the end of the semester, the student may withdraw from a course by completing a withdrawal form with his or her academic advisor. The professor teaching the course from which the student is withdrawing advises the Dean of the College on whether a “W” or “WF” is appropriate. The “WF” is transcribed as a failing grade and has a negative effect on the student’s GPA.

A student may not withdraw from a course during the last two weeks of the semester; e.g., the last two weeks of classes.

Consult the Nursing Department for nursing department regulations.

### **Withdrawal From the College**

A student desiring to withdraw from the College should consult with both the assigned academic advisor and the appropriate Dean. Students receiving financial aid must meet with a financial aid administrator to discuss their rights and responsibilities as aid recipients. The form for withdrawal from the College is available in the Office of the Registrar or in the Office of the Dean of the College. It must be signed by the student and returned to the Registrar. Refund of fees or charges will be based on the date that the student last attended a class.

### **Readmission**

Students who separate from the College, whether by formal withdrawal procedure or otherwise, and who wish to return to Saint Anselm on either a part-time or full-time basis, must apply to the Dean of the College and be accepted for readmission before they become eligible to register for additional course work at Saint Anselm. Course work undertaken without having been formally readmitted to the College will not usually be credited toward fulfillment of graduation requirements. Students who interrupt their program of studies at Saint Anselm are subject to the academic regulations and degree requirements in force at the time of their return to the College.

### **Leave of Absence**

A student may apply to the Dean of the College, the Dean of Students, or to the Registrar for a leave of absence from the College. Students receiving financial assistance must have an exit interview with the director of financial aid before making application for a leave and limit the time of leave to a single semester. A leave of absence for students not receiving financial assistance is granted for a specific period of time, usually not more than two semesters. Applicants for a leave must have no outstanding debts at the College. A student on leave may apply for an extension. To insure transferability of credits taken at other institutions during a leave of absence, students must obtain prior written approval of the courses from the Dean of the College or the Registrar. Courses undertaken without such approval are not transferable to Saint Anselm College. Provided that notification of the intention to resume studies at Saint Anselm has been received by the Dean of the College at least one month in advance of the semester of return, a student on leave may return to the College at the end of the leave without applying for readmission.

### **Grades and Notations**

The designations A, A-, B+, B, B-, C+, C, C-, D+, D, D-, E, HP, LP, P, NP are employed to indicate the quality of student work. "A" indicates excellent work; "B" indicates above-average work; "C" indicates average work; "D" indicates below-average work; "E" indicates failure; the symbols "+" and "-" indicate intermediate levels; "HP" indicates High Pass; "LP" indicates Low Pass; "P" indicates Pass; "NP" indicates No Pass. The designations "HP", "LP", "P" and "NP" are used only in grading some internship and clinical area programs.

Notations that may be assigned by the Office of the Dean of the College are: I, W, WF, and F. "I" indicates incomplete work because of illness or other serious reason reported to and accepted by the Dean of the College; "W" indicates withdrawal from a course with permission of the Dean; "WF" indicates the withdrawal from a course at a time when the student's work is below passing quality; "F" indicates insufficient attendance to warrant a passing grade.

**Grade Reports**

At the end of each semester, grades are posted using the Campus Information System (CIS). Students are urged to check the grade report for accuracy. Errors should be reported to the Registrar immediately.

**Appealing a Final Grade**

When a student wishes to appeal a final grade assigned by an instructor, the following procedure must be initiated within ten days after the beginning of the next semester.

1. The student will confer with the instructor who assigned the grade.
2. If the discussion with the instructor proves unsatisfactory, the student will confer with the chairperson of the department of which the instructor is a member.
3. If the discussion with the chairperson of the department proves unsatisfactory, the student may appeal the case to the Dean of the College.
4. If the appeal to the Dean of the College proves unsatisfactory, the student, as a final appeal, will request the Dean to call a meeting of the instructor, the chairperson of the department and the Dean of the College. The student may present evidence supporting the request for a change in grade. Final decision of the issue will be made by the Dean of the College.

**Change of an Officially Recorded Grade**

Except in the case of clerical or machine error, an officially recorded grade may be changed only by means of a written request to that effect, signed by the instructor and filed in the Office of the Dean of the College. A change of grade which is submitted later than sixty school days after the close of the semester for which the grade was given will not be honored by the Office of the Registrar.

**Course Repeat Policy**

1. A student is allowed to repeat once up to three courses in the major (except Nursing) in which the student has earned a grade of C- or below. When a passed course is repeated, the course will count only once toward the required graduation course count.

2. All earned grades will appear on the student's permanent academic record. When a course in a student's major is repeated, both grades remain on the transcript and are computed in the cumulative grade point average, but only the higher grade is computed in the major grade point average.
3. Nursing students are allowed to repeat one Nursing course only. Refer to the Class Standing and Promotion Procedures listed under the Nursing Section.

### **Transcript of College Record**

An official transcript of the College record will be issued by the Office of the Registrar only after receipt of a written authorization by the student. A transcript is official when it bears the impression of the seal of the College and the signature of the Registrar. Transcripts will be issued only when all financial accounts have been settled. The transcript fee is \$5 per copy.

### **Cumulative Grade Point Average**

In computing a student's cumulative grade point average (gpa), numerical values are assigned to each letter grade as follows: A: 4.00; A-: 3.67; B+: 3.33; B: 3.00; B-: 2.67; C+: 2.33; C: 2.00; C-: 1.67; D+: 1.33; D: 1.00; D-: 0.67; E: 0.00; F: 0.00; WF: 0.00.

The cumulative grade point average is derived by totaling the grade points received, and dividing that total by the number of courses carried.

All grades, and all notations of W, WF, or F, remain on the student's permanent record and, with the exception of the W notation, are included in the computation of the cumulative grade point average. Grades received at other institutions are not included in the computation of the cumulative grade point average.

### **Dean's List of Scholars**

Students who register for and complete five courses of study at the College during a given semester and who achieve in that semester a grade point average of 3.0 are eligible for inclusion in the Dean's List of Scholars. In all five courses, students must receive letter grades that compute in determining the grade point average.

### **Statement on Academic Honesty**

Since the assignments, papers, computer programs, tests and discussions of college course work are the core of the educational process, the College demands the strictest honesty of students in their various academic tasks. To ensure that the standards of honesty essential to meaningful accomplishment in the classroom are maintained, the College sets forth the following clarification of academic dishonesty and sanctioning procedures.

The following actions are examples of academic dishonesty and subject to sanctions:

*Examinations and Assignments*

1. Copying from another student's examination paper or allowing another to copy from one's own paper during an examination.
2. Using unpermitted material (notes, texts, calculators, etc.) during examination.
3. Revising, without the instructor's knowledge, and resubmitting a quiz or examination for regrading.
4. Giving or receiving unpermitted aid on a take-home examination or on any academic assignment.

*Plagiarism*

1. Plagiarism means the presentation by a student of the work of another person as his or her own. It includes wholly or partially copying, translating, or paraphrasing without acknowledgement of the source.
2. Since the wording of a student's paper or computer program is taken as his or her own work, paragraphs, sentences, or even key phrases clearly copied from a book, article, essay, lecture, newspaper, program, another student's paper, notebook or program, or any other source, may be included only if presented as quotations and the source acknowledged.
3. Similarly, since the ideas expressed in a paper, report, or computer program are accepted as originating with the student, a paper or program that paraphrases ideas taken from a book, article, essay, lecture, newspaper, program, another student's paper, notebook, or program, or any other source may not be submitted unless each paraphrased source is properly cited. Students should refer to the Geisel Library Academic Integrity Tutorial for fuller explanation of the rules and conventions governing academic integrity.
4. A student may make use of the particular skills of a proof-reader or typist, but wholesale corrections and revisions of a course paper or computer program by these individuals are not allowable. The student alone is responsible for any errors or omissions in material submitted as his or her own work.
5. No paper or computer program may be submitted for credit if it has been or is being used to fulfill the requirements of another course, in whatever department, unless permission to coordinate work has been granted by both professors.
6. No student shall allow his or her paper or program in outline or finished form to be copied and submitted as the work of another; nor shall a student prepare a written assignment or program for another student to submit as that student's work.

7. Students should be prepared—up to one month beyond the due date of a paper or program—to submit all notes, drafts, and source information which might be requested by an instructor, chairperson, or committee investigating the authenticity on that work.

**Procedures**

1. If an instructor has reason to believe that a student has plagiarized, the instructor shall immediately inform the student and discuss the circumstances.
2. After such discussion, the instructor shall:
  - (a) decide that no further action is necessary; or
  - (b) require that the work be resubmitted with appropriate changes; or
  - (c) give the student a failing grade in the work submitted; or
  - (d) give the student a failing grade in the course. In this instance, the instructor will notify the department chairperson, the Dean, and the student, of the intent to fail that student in the course for which the work was done. Documentation supporting the charge is to be available upon request by the parties concerned. Further, the Dean, having been informed of the particulars of the case, may decide to extend the sanction to include:
    - suspension from the College for the remainder of the semester;  
or
    - suspension from the College for a period of not more than one year; or
    - expulsion from the College

The Dean shall inform the student in writing of a decision to suspend or expel.

In all cases, the instructor will submit to the Dean of the College a report concerning the violation.

3. If the instructor's decision is that set out in 2 (a), (b), the matter shall be considered closed. If the decision is that set out in 2 (c), the student may appeal using the normal process for appealing a grade. If the decision is that set out in 2 (d), the student may appeal in writing to the Dean.
4. The student shall have ten days to appeal a decision to suspend or expel.
5. If the student elects to appeal the decision of the Dean in cases dealing with suspension or expulsion from the College, the Dean shall convene a College review board consisting of three faculty members (two of whom shall be from the department involved) and two students. The committee shall invite the student and the instructor to address it but shall deliberate in private.

6. If the College review board is convened, it shall make a written report to the Dean. The report may recommend a sanction.
7. The Dean shall make the final decision regarding sanction and shall inform the student immediately in writing of that decision.

### **Family Educational Rights and Privacy Act**

This act, with which the College intends to comply fully, was designated to protect the privacy of educational records, to establish the rights of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students have the right to file complaints with the Family Educational Rights and Privacy Act Office concerning alleged failures by the institution to comply with the act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

In keeping with the provisions of the above act, Saint Anselm College will consider all students as “dependents” unless specifically informed to the contrary in writing and within two weeks following registration.

### **Directory of Information**

Directory information consists of information which would not generally be considered harmful or an invasion of privacy if disclosed. At the College, directory information consists of: student name, address, campus email address, telephone number(s), dates of attendance, class membership/anticipated date of graduation, full or part-time enrollment status, previous educational institutions attended, major field of study, past and present participation in officially recognized activities and sports, weight and height of members of athletic teams, date and place of birth, photographs, hometown, awards, honors (including Dean’s List), degree conferred and conferral date. Students may withhold Directory information by notifying the Office of the Registrar.

Such information may be disclosed by the College, at its discretion, for any purpose.

Currently enrolled students may withhold disclosure of any category of information under the Family Educational Rights and Privacy Act of 1974, as amended. To withhold disclosure, written notification must be received in the Office of the Registrar, Saint Anselm College, on or before September 15 (or not later than two weeks following an initial registration for classes in spring or summer semesters). Forms requesting the withholding of “Directory Information” are available in the Office of the Registrar.

Saint Anselm College assumes that the failure on the part of any student to request specifically the withholding of categories of “Directory Information” indicates individual approval for disclosure.

### **The Student Right to Know and Campus Security Act**

In compliance with the Student Right to Know and Campus Security Act, information is made available regarding graduation rates and campus crime statistics in the following offices:

Graduation Rates – Office of Institutional Research

Graduation Rates for Student Athletes – the Athletics Office

Institutional Security Policy and Campus Crime Statistics – Campus Security Office; Office of the Dean of Students

### **Standards of Progress**

Wide opportunities are available for student advisement, both within the departments and from the Office of Academic Advisement. However, each student is solely responsible for selecting courses which satisfy departmental requirements for a major, as well as the general requirements for graduation. Both sets of requirements are set forth in subsequent pages of this catalogue. Students are responsible for familiarizing themselves with this information. Exemption from, or exception to, any published requirement is valid only when approved in writing by either the Registrar or the Dean of the College.

The following guidelines are used by the Office of the Dean of the College to evaluate less than satisfactory progress.

- Warning is the likely consequence of:
  - two grades in the D category in one semester, or
  - one grade in the D category and a failing grade in one semester, or
  - a failing grade in consecutive semesters.
- Probation is the likely consequence of:
  - three grades in the D category in one semester, or
  - two grades in the D category and a failing grade in one semester, or
  - two grades in the D category in one semester following a semester with one or more failing grades, or
  - two grades in the D category in one semester following a semester with two grades in the D category, or
  - two failing grades in one semester.
- Dismissal is the likely consequence of:
  - four grades in the D category in one semester, or
  - three failing grades in one semester, or
  - one or more grades in the D category and two failing grades in one semester, or
  - the accumulation of five grades below the C category in two consecutive semesters, or
  - unsatisfactory scholarship (e.g., two grades in categories below the C category) during a semester of probation, or failure to obtain a 2.00 grade point average in the major field of concentration by the end of the sixth or any subsequent semester.

Academic warning or probation ceases at the end of the semester for which it has been imposed, provided no further action is taken by the Office of the Dean of the College.

A student who has been dismissed for academic reasons is usually not eligible for readmission to the College and may not register for additional course-work creditable toward a degree at Saint Anselm College without the written permission of the Dean of the College. Appeal of an academic dismissal may be made to the Dean of the College. The appeal must be made in writing and be received in the Office of the Dean within ten calendar days of the date of the letter of dismissal.

Students on academic probation or those who have not maintained satisfactory academic progress may not run for elective office in student organizations, participate to any degree in intercollegiate athletic contests, or represent the College at public events.

### **Class Standing**

For sophomore standing, a student must have completed successfully at least ten courses; for junior standing, a student must have completed successfully at least twenty courses; for senior standing, a student must have completed successfully at least thirty courses and be eligible for graduation at the next Spring commencement.

### **Policy on the Use of Electronic Devices**

As a member of the learning community, each student has a responsibility to other students who are members of the community. When cell phones or pagers ring and students respond in class or leave class to respond, it disrupts the class. Therefore, the Office of the Dean prohibits the use by students of cell phones, pagers, PDAs, or similar communication devices during scheduled classes. Text messaging or accessing information on these devices is likewise forbidden. All such devices must be put in a silent (vibrate) mode and ordinarily should not be taken out during class. Given the fact that these same communication devices are an integral part of the College's emergency notification system, an exception to this policy would occur when numerous devices activate simultaneously. When this occurs, students may consult their devices to determine if a college emergency exists. If that is not the case, the devices should be immediately put away. Other exceptions to this policy may be granted at the discretion of the instructor.

## REQUIREMENTS FOR GRADUATION

Requirements for the baccalaureate degree are satisfied upon successful completion of forty semester courses, at least thirty of which must be of “C-” grade or higher.

Candidates for degrees must have an average of 2.00 or higher in the departmental and ancillary courses of the major field of concentration.

Only those seniors who have met all graduation requirements are eligible to participate in the commencement exercises.

Exemption from, or exception to, any requirement for a degree is valid only when approved in writing by either the Registrar or the Dean of the College.

A more detailed listing of required and recommended courses will be found under the departmental headings.

Candidates for degrees must spend eight full semesters at Saint Anselm College, unless the time has been shortened by the granting of advanced standing to students transferring from other institutions, or by summer courses taken with the approval of the Dean of the College or the Registrar. The entire senior year must be spent at Saint Anselm College.

For students who have matriculated full-time, the expectation is that requirements for the degree will be completed within eight years from the date of initial enrollment. Courses in specialized areas will not be recognized towards requirements for the degree after eight years.

No student will be recommended for graduation who has not satisfied the faculty and administration of the College as to uprightness of character and sufficient accomplishment in scholarship.

An application for degree and intent to graduate form must be completed and submitted to the Registrar’s office.

### **Bachelor of Arts**

The following are required for the degree of Bachelor of Arts:

1. English 103-104
2. Humanities I - IV: 101, 102, 201, 202

3. Two semesters of a same foreign language (ancient or modern) beyond elementary work.\*
4. Two semesters of a same laboratory science course.
5. Three courses in Philosophy (Philosophy 105, 107, and an elective).
6. Three courses in Theology (Theology 100, and two electives).
7. A major field of concentration in accordance with departmental regulations.
8. A comprehensive examination in the major field of concentration.

\*International Students who hold an F-1 visa or whose legal domicile is not in the United States and whose first language is not English are considered to have fulfilled the aims of the language requirement. Other students for whom English is a second language, who provide documentation of formal education in the language of origin beyond the primary school level, also are considered to have fulfilled the aims of the language requirement.

In certain exceptional cases, the Chair of the Department of Modern Languages and Literature will determine, in consultation with the Dean of the College, fulfillment of the language requirement.

### **Bachelor of Science**

**NOTE:** *Nursing courses in the nursing sequence apply only to the Bachelor of Science in Nursing degree and may not be used to fulfill the requirements for a Bachelor of Arts degree.*

The following are among the requirements for the degree of Bachelor of Science in Nursing:

1. Education 315
2. English 103-104
3. Humanities I - IV: 101, 102, 201, 202
4. Biology 107, 317, 331-332, 344, 346
5. Psychology 101
6. Sociology, 101, 212
7. Three courses in Philosophy (Philosophy 105, 107, and an elective).
8. Three courses in Theology (Theology 100, 371 and an elective).
9. Three unrestricted electives.
10. Courses in Nursing in accordance with departmental regulations.
11. A comprehensive examination.

### **Graduation Honors**

According to the degree of academic excellence, graduates may be awarded the distinctions of cum laude, magna cum laude, summa cum laude. Candidates for the distinction cum laude must have a grade-point average of 3.0; for the distinction magna cum laude, a grade-point average of 3.4; for the distinction summa cum laude, a grade-point average of 3.7.

### **Honor Societies**

**Delta Epsilon Sigma**, a national Catholic scholastic honor society, was founded in 1939 to recognize academic excellence, to foster scholarly activities, and to encourage a sense of intellectual community among its

members. The Saint Anselm College Tau Chapter was established in 1940. Membership is by election.

**Delta Sigma Rho** – Tau Kappa Alpha was founded in 1963 to promote interest in, and to award suitable recognition for, excellence in forensics and original speaking, and to foster an appreciation of freedom of speech as a vital element of democracy. The Saint Anselm College Chapter was founded in 1964. Membership is by election.

**Pi Gamma Mu** was founded in 1924 to recognize scholarship in the social sciences. The Saint Anselm College Chapter was founded in 1968.

**Phi Alpha Theta** was founded in 1921 to recognize and encourage excellence in the study of history. The Saint Anselm College Sigma Omega Chapter, the first in the State of New Hampshire, was founded in 1972. Membership is by invitation.

**Omicron Delta Epsilon** was founded in 1963 to recognize scholastic attainment and outstanding achievement in the field of economics. The Saint Anselm College Gamma Chapter was founded in 1974. Membership is by invitation.

**Sigma Theta Tau** was founded in 1922 to recognize superior achievement, to develop leadership qualities, and to foster high professional standards in nursing. The Saint Anselm College Epsilon Tau Chapter was founded in 1982. Membership is by invitation.

**Sigma Delta Pi** was founded in 1919 to honor those who seek and attain excellence in the study of the Spanish language and the literature and culture of Spanish-speaking people. The Saint Anselm College Omicron Rho chapter was founded in 1984. Membership is by invitation.

**Pi Delta Phi** was founded in 1906 to honor those who seek and attain excellence in the study of the French language and of the literature and culture of French-speaking people. The Saint Anselm College Kappa Epsilon Chapter was founded in 1989. Membership is by invitation.

**Psi Chi** is the national honor society in psychology. Its purpose is to encourage, stimulate, and maintain excellence in scholarship of its members in all fields, particularly in psychology. Saint Anselm College was granted Chapter membership in 1990. Membership is by invitation.

**Pi Sigma Alpha**, the national honor society in political science, was founded in 1920. It honors those who seek and attain excellence in the study of politics and government. The Saint Anselm College Upsilon Lambda Chapter was founded in 1995. Membership is by invitation.

**Beta Beta Beta**, the national honor society for students majoring in the biological sciences, was founded in 1922. The society is dedicated to recognizing excellence in academic achievement, improving the understanding and appreciation of biological study and promoting the active involvement of students in scientific research. The Saint Anselm College Chi Zeta Chapter was established during the Spring semester of 1996. Membership is by invitation.

## PROGRAMS OF STUDY

Candidates for a degree select a program of studies from the following: Accounting, American Studies, Biochemistry, Biology, Business, Chemistry, Classics, Communication, Computer Science, Criminal Justice, Economics, Education, English, Environmental Politics, Environmental Science, Fine Arts, Finance, French, German Studies, History, International Relations, Liberal Studies in the Great Books, Mathematics, Natural Science, Nursing, Peace and Justice Studies, Philosophy, Politics, Psychology, Sociology, Spanish, or Theology. Depending on the educational objectives of the student, a combined or interdisciplinary course of studies may be appropriate. All programs should be submitted to the Dean of the College for approval. Programs should be planned to cover in sufficient depth a major field of concentration, to include ancillary courses in fields of related disciplines and elective courses, and to allow the student a sufficiently wide choice of courses in the liberal arts. At least eight courses in the major field, exclusive of introductory courses, are required for graduation. Specific requirements are indicated under individual department sections.

### **Engineering**

Saint Anselm College offers a five-year cooperative liberal arts and engineering program in affiliation with the University of Notre Dame, Notre Dame, Indiana; the University of Massachusetts Lowell; The Catholic University of America, Washington, D.C.; and Manhattan College, Riverdale, New York. The student spends three years at Saint Anselm College completing a specified set of courses including studies in engineering, science, and mathematics, while fulfilling the Saint Anselm College core curriculum requirements. In an additional two years, at one of the above universities selected by the student, the remaining engineering requirements are fulfilled. Under this arrangement, after completing the Saint Anselm College graduation requirements, the student receives the Bachelor of Arts degree from Saint Anselm College, and, upon the successful completion of the fifth year, an engineering degree from the cooperating institution's School of Engineering.

**Nursing**

The student pursues the sequence of courses listed under the Department of Nursing. Preparation for graduate study occurs within the Department.

**Preprofessional Advisement**

The College offers several programs of study for students who are preparing for specific professions. Their content is determined largely by the general requirements for graduation and the particular requirements of individual programs.

**Pre-Medical and Pre-Dental:** The Health Professions Advisor and Chairperson of the Preprofessional Committee oversees the preparation of students intending to apply to schools of medicine (allopathic and osteopathic), dentistry, optometry, podiatry, or veterinary medicine as well as graduate programs in the allied health care professions. Whatever their major field, these students are directed to the prerequisite coursework and extracurricular experience that is appropriate for them and given guidance as they apply to professional school.

**Pre-Law:** No specific program of study is required to gain admittance to law school. Students should meet with the Director of Academic Advisement for guidance on preparing for law school. Each semester, the Office of Academic Advisement also offers workshops on academic planning and the law school selection and application process.

The **Pre-Theological Program** involves concentration in Philosophy, and courses in Classical and Modern Languages.

**Service-learning**

Service-learning is an educational strategy that allows students the opportunity to apply important course concepts through significant service to the community. A number of faculty members at Saint Anselm have integrated a service-learning into their courses. The Meelia Center for Community Engagement manages service-learning placement and support for ten academic departments and over twenty courses. Each semester around two hundred service-learners apply course learning goals at sites selected specifically for their classes. The Meelia Center's student coordinating staff manages the placement of service-learners at nearly fifty community learning sites.

The community partners range from the infant room at one of the state's largest childcare centers to homeless teen outreach with Child and Family Services. These two sites alone provide Saint Anselm student learners from Juvenile Justice, Social Services, Humanities, Liberation Theology, Therapeutic Interviewing, and Child Psychology with powerful learning experiences. At the same time, students are able to directly help some of Manchester's neediest citizens. Learning opportunities exist for all levels of experience.

Service learning enhances classroom learning. Through guided in-class and out-of-class reflections service-learners are encouraged to clarify

the academic, personal, spiritual and civic learning components of the experience. In class discussions students frequently share the connections they have made, and they seek guidance when the theory and practice appear to conflict. Service-learners and those engaged in traditional library research all benefit from these focused discussions.

The community involvement in service-learning provides additional benefits. The community is a vast source of knowledge and information that can flow back to the classroom, and an excellent place for Saint Anselm students to conduct research. Over the years Saint Anselm service-learners have shown their ability and dedication, and the community agencies have responded by opening even more doors for significant student involvement. It is not uncommon for service-learning experiences to evolve into internships or senior research projects. Efforts are underway to assist service-learners as they explore the civic dimensions of their service engagement, and define opportunities to help strengthen the community.

### **Teaching**

There are three certification tracks in the Education Department: an Elementary major (K-6), ESOL minor (K-12) and secondary minor (5-12/7-12). The ESOL and secondary certification programs are completed in tandem with your content major. Each of the Teacher Education Programs provide a concentration of content courses, methods courses, and practical experiences in varying grade levels and settings. Saint Anselm teacher candidates teach in diverse classrooms in suburban, urban, and/or Catholic schools for early and capstone field experiences. Our teacher candidates have multiple opportunities to practice teaching, to be mentored, and to determine which school setting is their best match. Graduates are eligible for initial certification in New Hampshire and approximately forty other states through the reciprocal agreement.

### **Department Minors**

Information on department minors can be found in the department pages of the catalogue. Students must declare the minor prior to the pre-registration period for the fall of their senior year. Candidates must have an average G.P.A. of 2.33 in the required courses for successful completion of the minor.

A student with an interest in a minor may experience irresolvable conflicts in scheduling, the cancellation of a course because of under enrollment, the absence of faculty in a program due to other teaching assignments or sabbaticals. The College does not guarantee a particular minor nor a course in a particular program needed by a student to enter or complete a minor. A student who does not complete a minor in the course of his or her baccalaureate studies at the College may not initiate or complete a minor after earning a baccalaureate degree from Saint Anselm College.

## THE HONORS PROGRAM

The Saint Anselm College Honors Program offers students of demonstrated superior academic ability a challenging and exciting blend of enhanced core courses, honors electives, independent research projects, thesis development, and enriched interaction with faculty and fellow Honors students. Grounded firmly in the belief that a truly liberal education combines breadth and depth, the Honors Program draws highly motivated students and faculty from all disciplines to work closely together in intensive critical thinking, research, and cultural experiences. The Honors Program is one way for students to deepen their mastery of the liberal arts and to distinguish themselves as they pursue graduate and professional schools, and employment.

Requirements for the Honors Program include Honors core courses and electives, advanced language/literature, (except for Nursing students) and an Honors thesis. Students enroll in Honors sections for the four semester Humanities sequence, and they must take Honors Ethics and two other Honors core courses drawn from English, Theology, Philosophy, and Chemistry. Additional course requirements include four Honors electives (one of which may be fulfilled by an Honors contract for a non-Honors course), and two semesters of advanced language/literature. The language requirement can become the basis for a minor in language, and it can also be fulfilled abroad or through independent study. The Honors thesis can be written in junior or senior year, and it can be interdisciplinary. For students whose majors require a senior thesis, the Honors thesis can be an augmented version of the departmental requirement, the guidelines for which are determined by each department.

Students choose to follow one of two Honors Tracks: Bachelor of Arts or Bachelor of Science in Nursing. The Honors Program encourages students to shape their research and course selection around their interests, and the College makes every effort to be flexible regarding study abroad, internships, and independent study requests. The Honors Program offers a variety of academic, social, and cultural activities throughout the year, planned by the Honors Student Advisory Council.

Completing the Honors Program requirements is an impressive achievement, which Saint Anselm College recognizes by granting successful graduates the Honors Bachelor of Arts or Honors Bachelor of Science in Nursing degree. Admission into the Program is obtained primarily by invitation, but interested students with demonstrated academic achievement may also apply to the Director. For additional information and program requirements, contact the Director of the Honors Program.

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Unless otherwise noted, each course is scheduled to meet the equivalent of three 50 minute class “hours” per week and carries three semester hours of credit.

The College reserves the right to change procedures, programs, curricula, courses, fees and charges, instructors and degree requirements without prior notice. It further reserves the right to sever the connection of any student with the College for an appropriate reason.

NOTE: The course sequence outlines appearing under each department are illustrative only, and do not supersede either general or departmental requirements. Extra-departmental courses ancillary to the major, and specified by name or course number in the sequence outlines, are considered to be an integral part of the major program.

### **New Course Numbering System**

Beginning in the Fall 2006 semester, Saint Anselm College adopted a three number course designation system. Henceforth, the following course numbering system is in effect.

100 – 199    Introductory

200 – 299    Intermediate

300 – 399    Intermediate/Advanced

400 – 499    Directed readings, research, internships and further advanced study

## **BIOLOGICAL SCIENCES OVERVIEW**

### **Chairperson: Brian K. Penney**

Professors: Daniel Broek, Brian K. Penney, F. Jay Pitocchelli, Donald H. Rhodes, Barry J. Wicklow; Associate Professors: Eric J. Berry, Lori LaPlante, Daniel J. Lavoie, Stephen W. Tobin, Robert C. Vallari; Assistant Professor: Elizabeth Greguske.

The Department of Biology administers four majors: Biochemistry, Biology, Environmental Science and Natural Science. In each of these majors, the curriculum is designed to: 1) explore the fundamental properties of life from the molecular to the community/ecosystem level, 2) critically evaluate life properties through rigorous application of the scientific method, and 3) incorporate this body of information into the framework of modern evolutionary theory. Laboratory and field work are important components of all four majors.

For the liberal-arts major, with a general interest in the study of living things, the introductory course (Biology 101-102) explores the scientific way of thinking, the basic methods of science, the diversity of living things, and the relationship of the biological sciences to many of the current problems facing a modern society. In addition, “The Biosphere at Risk” (Biology 205), an introductory environmental science course, explores environmental issues of global significance, providing a scientific basis for both understanding the causes of and developing solutions for environmental problems.

### **Performance requirements:**

Students are required to earn a minimum of a “C” average (2.0) in General Biology BI103 and BI104 and in General Chemistry CH130 and CH131, the traditional first year biology and chemistry courses, to continue enrollment in a biology department-administered major into the second year.

A student receiving a final letter grade below “C” in either General Biology BI103 or General Chemistry CH130 will be placed on probationary status in his or her respective major until meeting the performance requirements in both General Biology BI104 and General Chemistry CH131. A student earning less than a “C” average (2.0) in either the General Biology (BI103 and BI104) or the General Chemistry (CH130 and CH131) course pairings will not be permitted to continue in a Biology Department administered major.

A student meeting the minimum 2.0 average after receiving a final letter grade below “C-” in any of the above-mentioned courses must repeat the course and earn a grade of “C” or better to remain in the major. The student will remain on probationary status until such courses are repeated. The repeated courses must be completed with a final grade of “C” or better by the start of the following academic year or the student will have to repeat these courses at Saint Anselm College by the end of the next academic year. In either case, these students must consult and seek permission of the Chair to remain in any of the Biology Department administered majors. It is the student’s responsibility to provide evidence of successful

completion of these courses to the Chair and the Registrar at his or her earliest convenience but no later than one week prior to the first day of classes. Beyond the introductory courses, students must maintain each semester a minimum grade point average of 2.0 in their major courses (biology, chemistry, physics and mathematics) in order to continue in their respective majors.

For liberal arts students electing one of the Biology Department's four majors, course work completed in General Biology 101 and/or General Biology 102 may be used in lieu of the corresponding General Biology 103 and/or General Biology 104, provided that a minimum average grade of B+ is earned in BI101 and BI102. These students must consult and seek permission of the Chair prior to changing majors.

Students completing the BI101-102 sequence but failing to earn a B+ average may also be admitted into a Biology Department major by meeting the minimum grade requirements described above for a typical major's sequence, i.e. enrolling and successfully completing BI103-104 and CH130-131 with a C average or better across all four courses. These students must also take two additional electives to replace BI101-102, in accordance with the College's policy on repeating courses.

### **Course Descriptions**

Course descriptions are also available online at <http://www.anselm.edu/internet/bio/course.html>. A more complete description of the faculty, major programs, internships, etc. can be found at <http://www.anselm.edu/internet/bio/bio.html>.

### **101-102 General Biology**

This sequence of science electives satisfies the science requirements of non-science majors. The first semester of BI101 provides students with a foundation in biochemistry, cell biology, genetics, form and function of the major systems of plants and animals. The second semester of BI102 covers topics in behavior, evolution, ecology and comparative survey of the major groups of organisms. Topics and concepts are presented in the context of current events and the development of scientific literacy. This course also includes guest lecturers from the Humanities and the Sciences that make connections with Biology and support the liberal arts mission of the college. Note: this course is not designed for students interested in graduate programs in the health care field or majors administered by the Biology Department. Those students must enroll in General Biology for science majors (see BI103 and BI104 below).

Three hours of lecture and two hours of laboratory each week for two semesters. Four credits, each semester.

### **103-104 General Biology**

A study of the diversity of cellular and organismal life, including foundation principles in cell biology, biochemistry, genetics and evolution. For Biology, Natural Science, Biochemistry and Environmental Science majors.

Note: Students preparing for graduate programs in the health care field

are expected to take BI103 and BI104. Under special circumstances and permission of the Chair, these courses can be taken in any sequence (i.e., 103 followed by 104 or 104 followed by 103).

Note that 103 is only offered in the fall and 104 only in the spring semesters).

Three hours of lecture, and three hours of laboratory each week for two semesters. Four credits, each semester.

### **107 Elementary Biochemistry**

Designed primarily for students enrolled in the College's Nursing Program, the course aims to develop an understanding of and appreciation for the chemical basis of life. Fundamental principles of general, organic and biological chemistry are covered with a special emphasis on clinical applications. Adequate preparation for this course includes a working knowledge of high school level algebra.

Note: this course is not open to Biochemistry, Biology, Environmental Science or Natural Science Majors.

Three hours of lecture, one hour of recitation, and two hours of laboratory each week for one semester. Five credits.

### **108 Microbiology**

This course focuses on the general principles underlying the life processes of microorganisms. Topics include microbial cell structure, metabolism, genetics, and growth characteristics. Emphasis is given to disease-causing (pathogenic) microorganisms and the various systems of defense employed by the human host. Note: this course is not open to Biochemistry, Biology, Environmental Science or Natural Science Majors.

Three hours of lecture and two hours of laboratory each week for one semester. Four credits.

### **201 Exercise Physiology**

This lecture course employs a scientific approach to the study of sport and exercise by examining the connections between human athletic performance, the anatomical structure of the body, and the physiological processes that allow the body to function in an efficient manner. Topics covered will include the anatomy and physiology of the skeletal, muscular, respiratory, and cardiovascular systems as they relate to athletic performance; effects of athletic training on the structure and function of the human body; techniques for fitness assessment and performance optimization in sport; and exercise and athletics as critical elements of a healthy lifestyle. In addition to gaining a scientific understanding of the effects of exercise, students will be taught practical methods for examining their own personal fitness.

Three hours of lecture each week for one semester. Three credits.

*Prerequisites: General Biology (BI103–104) or Human Anatomy & Physiology I and II (BI331–332) or*

*General Biology for Non-Majors (BI102–103) with an average grade of C (2.0) or better.*

### **205 Biosphere At Risk**

A study of significant global biological and ecological processes and their relation to human existence now and in the future. Throughout the course, students will examine the environmental consequences associated with contemporary issues such as human population growth, global climate change, and pollution. Students will also engage in discussions of relevant environmental issues in order to understand better how policy makers and other professionals work to solve these problems. Required for Environmental Science majors and open to non-science majors, the course does not satisfy the College's laboratory science requirement.

Three hours of lecture each week for one semester. Three credits.

*Prerequisite: Two semesters of college-level laboratory science*

### **210 Field Botany**

This course is designed to introduce students to the flora of the northeast temperate deciduous forest ecosystem through a combination of lecture and field-oriented class work. Field work will focus on the identification and ecology of common tree, shrub, and herb species. The course will also address the ethnobotanical uses of select native plants, the impact of invasive plants on local ecosystems, and the natural history of the region.

Three hours of lecture each week for one semester. Three credits.

*Prerequisite: Two semesters of college-level laboratory science*

### **315 Comparative Vertebrate Anatomy**

This course undertakes a study of the anatomy of vertebrates, with emphasis on the comparative structure, function, and development of vertebrate body forms and organ systems. Additional emphasis is placed on understanding the evolutionary relationships among vertebrates in light of their anatomical structure. Extensive laboratory work includes dissection of aquatic and terrestrial vertebrate forms. This course will be offered in alternating years.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **318 Microbiology for Majors**

This course is an introduction to the fundamentals of general and clinical microbiology. The general microbiology component is a study of the principles underlying the basic life processes of microorganisms, and topics include microbial cell structure, genetics, metabolism, and growth characteristics. The clinical microbiology is a focus on the interactions between microorganisms and the human body. Topics include normal microbiota, pathogenic microorganisms, mechanisms of disease, defense systems of the host, nosocomial infections, and the use of antibiotics to control infection. In the laboratory, students gain hands-on experience

with the microscope, aseptic technique, bacterial staining techniques, biochemical testing, and ELISA.

Three hours of lecture/seminar and three hours of lab each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **319 Aquatic Ecology**

An introduction to the ecology of freshwater systems including rivers and streams, lakes, and wetlands. Students will be exposed to both theoretical and practical concepts of freshwater ecology. Topics include biotic communities (macrophytes, zooplankton, benthic macroinvertebrates, fish and other vertebrates), species interactions, biodiversity issues, biotic indices and biomonitoring, pollution, habitat degradation, and conservation. This course has a strong field component and is designed primarily for Biology, Environmental Science, and Natural Science majors. This course will be offered in alternating years.

The equivalent of three hours of lecture and three hours of laboratory each week. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **320 Ecology**

This course surveys the interactions between organisms and their physical and biological environments in three integrated modules: ecophysiology and ecosystems, population biology, and community ecology. Each module comprises lectures on key topics, case studies in classic or current papers, computer models and collection and analysis of field data. Given the constantly evolving nature of this field, this course emphasizes understanding of the relative strengths of various hypotheses based on current evidence.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **324 Developmental Biology**

A lecture, seminar and laboratory study of embryonic development, including cellular differentiation, molecular control and gene regulation. The anatomy, physiology and genetics of developmental processes from gametogenesis to senescence, with emphasis on early embryonic life, will be studied. Laboratory work will include anatomical observation and experimental intervention. This course will be offered in alternating years.

Four hours of lecture each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **325 Evolutionary Biology**

This course focuses on topics at the microevolutionary level such as the agents of evolutionary change leading to speciation and isolating

mechanisms between species. It also addresses macroevolution, history of life on earth, systematics and biogeography.

Three hours of lecture each week for one semester. Three credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **327 Genetics**

This course focuses on the molecular biology of gene expression. Topics include a brief review of classical genetics, structure-function of DNA, and the regulation of gene expression in prokaryotic and eukaryotic cells. The laboratory is composed of a series of experiments utilizing current molecular biology techniques including PCR, construction of recombinant DNA molecules, gel electrophoresis and Southern analysis.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **328 Conservation Biology**

A study of biodiversity and the processes that lead to species rarity and extinction. Topics include speciation theory, genetic variation, populations, species interactions, disturbance regimes, invasive species and community and ecosystem level conservation and restoration. Emphasis on scientifically sound strategies for conserving species in both terrestrial and aquatic systems. This course has a strong field component and will be offered in alternating years.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **329 Plant Biology**

A study of plant biology across a range of scales, from cells that compose individuals, to populations, communities and ecosystems. Lecture will cover topics such as plant anatomy and physiology, mating systems and pollination, competition, plant-animal interactions and conservation. In laboratory, students will explore life-history strategies, as well as physiological and anatomical adaptations that enable plants to exist within a wide range of environmental conditions.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **330 Principles of Biotechnology**

Biotechnology employs cell culture, recombinant DNA techniques, creation of transgenic animals and molecular techniques to generate products and procedures that hold promise to advance the fields of medicine, animal science, and agriculture and to improve the quality of the environment at

large. It is at the forefront of present-day applied sciences. This course will emphasize class discussion of literature relevant to the field, including comparison of historic and current methodologies employed in this evolving field and treatment of its social and ethical implications.

Note: the number of enrolled Biology Department majors will be limited to 16 students.

Four hours of lecture each week for one semester. Four Credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **331-332 Human Anatomy & Physiology I and II**

The structure and function of human cells, tissues, organs, and organ systems are considered. The interdependence of these systems is emphasized and related to the total field of biology. Laboratory work includes the dissection of a typical mammal and completion of classical experiments of physiology.

Note: the number of enrolled Biology Department majors will be limited to 16 students.

Three hours of lecture and three hours of laboratory each week for two semesters. Four credits, each semester.

### **333 Cell Biology**

A study of the anatomy and physiology of the fundamental unit of life. The laboratory will investigate the structure and vital processes of prokaryotes and eukaryotes, with particular attention to membranes, organelles, and macromolecules.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **334 Animal Physiology**

The function of the organs and organ systems of animals. Topics include feeding and digestion, circulation, gas transport, water balance and aspects of endocrinology. Basic physiological techniques and methods will be examined in laboratory sessions.

This course will be offered in alternating years.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **335 Animal Behavior**

This course is an introduction to the basic principles underlying the behavior of animals. Students will gain an understanding of the mechanisms and evolutionary causes that drive behaviors observed in all types of animals (insects, fish, birds, and mammals). Upon completing this course, students

will have acquired experiences in observing and recording animal behaviors through laboratory- and field-based studies.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **336 Biochemistry**

A review of the structure and function of biologically important molecules and their role in the catabolic and anabolic processes of the cell. The laboratory sessions stress development of a working knowledge of standard procedures useful in a wide range of experimental situations.

Three hours of lecture, one hour of recitation, and three hours of laboratory each week for one semester. Five credits.

*Prerequisite: Organic Chemistry, BI103-104 or equivalent as determined by Department Chair*

### **338 Invertebrate Zoology**

This course surveys living animal diversity in extant phyla, emphasizing the relationship between form and function. Laboratory exercises build skills in classification and anatomy through integrative study of prepared slides, dissections, preserved specimens and observation of live animals. Approximately one third of the course is a project extending class material to subjects relevant to the student's major interest, such as medical and forensic entomology, parasitology, or model systems in neurobiology, ecology, genetics, development, etc.

Three hours of lecture and three hours of laboratory each week for one semester. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **339 Endocrinology**

This course will treat the organization and function of the major vertebrate endocrine glands. For each gland, the synthesis, release and delivery of chemical signals will be discussed together with the effects those secretions have on their target cells. The relationship between the nervous system and endocrine system will also be examined to explore how these control systems work together to maintain homeostasis. A variety of pathophysiologies linked to endocrine malfunction will also be discussed. This course will be offered in alternating years.

Note: the number of enrolled Biology Department majors will be limited to 16 students.

Three hours of lecture each week for one semester. Three credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **340 Field Studies in Tropical Biology**

This course introduces students to the biological complexity of the tropics through participatory field experiences at tropical locations in the ecologically diverse Central American country of Belize. Field trips and exercises are conducted in two of the most species-rich ecosystems on the planet, the neo-tropical rainforest and coral reef. Saint Anselm faculty and local experts will lecture on a variety of topics including the natural history of tropical biota, patterns of species diversity, rainforest ecology and conservation, ethnobiology, and coral reef ecology.

This is an intensive two-week summer course. Four credits.

*Prerequisite: Two semesters of college-level laboratory science. Permission of the instructors.*

### **341 Selected Topics in Biochemistry**

This course is designed to meet the needs and interests of junior biochemistry majors foremost, but also those of upper level biology and chemistry majors with interests in biochemistry and molecular biology. The current design of the course includes in-depth analysis of protein structure-function relationships and an up-to-date look at the subjects of signal transduction pathways and cancer biochemistry. Laboratory exercises emphasize techniques applied to the study of rare proteins.

Three hours of lecture, one hour of recitation, and three hours of laboratory each week for one semester. Five credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **344 Nutrition**

An introduction to the science of nutrition focusing on biochemical foundations (carbohydrates, fats, proteins, vitamins, minerals, and phytochemicals) as they apply to human health (diet, physical activity, and healthful considerations for, for example, fluid balance, and bone and blood health). Eating disorders, food safety, nutrition through the life cycle, and global/cultural considerations are also covered. This course will be offered in alternating years.

Note: the number of enrolled Biology Department majors will be limited to 16 students.

Three hours of lecture each week for one semester. Three credits.

### **345 Biostatistics**

An introduction to the fundamentals of statistics and the application of statistical analyses in biological research. Sampling, parametric and non-parametric techniques and the presentation of data are also covered. Assignments involve spreadsheet calculations and use of statistical software. Required for Biology and Environmental Science majors.

Note: the number of enrolled Biology Department majors will be limited to 20 students.

Three hours of lecture each week for one semester. Three credits.

### **346 Pharmacology**

An introduction to the science of pharmacology focusing on pharmacokinetic and pharmacodynamic foundations (absorption, distribution, biotransformation, excretion, receptors, and dosing) as they apply to human health (for example cardiovascular-renal, blood, inflammation, and gout, endocrine, and chemotherapeutic agents). Drug development, laws, toxicology, and life cycle and global/cultural considerations are also covered. This course will be offered in alternating years.

Note: the number of enrolled Biology Department majors will be limited to 16 students.

Three hours of lecture each week for one semester. Three credits.

### **347 Ornithology**

This course focuses on diversity, identification and biology of birds of the Northeastern United States. Topics covered include evolution, migration, ecology, conservation, behavior, anatomy and physiology of birds. Field laboratories constitute an important part of the course and will include some mandatory Saturday field trips. See instructor or online syllabus for details. This course will be offered in alternating years.

Note: the number of enrolled Biology Department majors will be limited to 14 students.

The equivalent of three hours of lecture and three hours of laboratory each week. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

### **400 Independent Study**

This course allows advanced study of selected topics in the biological sciences. The topic will be chosen by a student in consultation with a faculty member who will facilitate the learning process.

*Prerequisite: Permission of the Faculty Facilitator and the Chair of the Biology Department.*

### **421-422 Directed Research in Biology – Two Semester Option**

Individualized research experience in the biological sciences, under the direction of a science faculty member, including literature searching, hypothesis development and testing, graphical and statistical analysis, and oral and written presentation. Note: Open only to upper-class students who have applied for and been admitted into a position in a science faculty's research laboratory.

Note: Two sequential semesters must be taken to earn credit.

Four credits earned upon satisfactory completion of Biology 422.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair. Permission of the faculty supervisor with whom a student wishes to work.*

### **423 Directed Research in Biology – One Semester Option**

Individualized research experience in the biological sciences, under the

direction of a science faculty member, including literature searching, hypothesis development and testing, graphical and statistical analysis, and oral and written presentation. Note: Open only to upper-class students who have applied for and been admitted into a position in a science faculty's research laboratory.

Note: This is an intensive one-semester research course that can be taken as an alternative to the typical year-long BI421-422 sequence. Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair. Permission of the faculty supervisor with whom a student wishes to work.*

#### **449 Special Topics in Biology**

This course allows advanced study of selected topics not covered in other Biology Department course offerings. Topics covered will be chosen by the Biology Department and will reflect areas of importance within the biological sciences.

Four credits.

*Prerequisite: BI103-104 or equivalent as determined by Department Chair*

#### **450 Washington Internship**

After application to and acceptance by the Washington Center, students are placed in a relevant field experience with scientific organizations in the greater Washington, D.C. area. Selection for this typically fall semester program is completed in the preceding spring semester.

Note: BI450 is equivalent to five academic courses.

*Prerequisite: Permission of the Internship Facilitator of the Biology Department.*

#### **451-452 Biology Internship**

Qualified students may be offered the opportunity to develop, with the aid of the Internship Facilitator of the Department, an internship experience relevant to their academic needs. Assessment will be based on a portfolio that includes the agency's outcome assessment, the student's objective and subjective journal, and a primary-source referenced term paper in an area allied to the internship.

BI451 and BI452 are typically the equivalent of one or two academic courses. Students have participated in internships with the Wisconsin Department of Natural Resources, the Wells National Estuarine Research Reserve, the Piscataquog Watershed Association, the New Hampshire Department of Environmental Services, Optima Health, New Hampshire Custom Brewers, the University of New Hampshire Department of Biochemistry and Molecular Biology, the Southern Maine Regional Genetics Service Program, the Foundation for Blood Research, Covino Environmental Associates, Catholic Medical Center, members of the Congress of the United States, and the Fitness Network, among many other organizations.

*Prerequisite: Permission of the Internship Facilitator of the Biology Department.*

## BIOCHEMISTRY

The Biochemistry major focuses on life processes at the molecular level, with emphasis on the biochemistry and molecular biology of cellular systems in simple and complex organisms. The curriculum is designed for students seeking preparation for graduate studies, for the health-care professions, or for entry-level positions in science-related industries. This interdisciplinary major in Biochemistry draws upon the resources of the departments of Mathematics, Physics, Chemistry, and Biology.

Students majoring in Biochemistry select schedules in consultation with a faculty advisor to include the following required courses: General Biology (103-104), Genetics (327), Cell Biology (333), Biochemistry (336), Selected Topics in Biochemistry (341); General Chemistry (130-131), Organic Chemistry (250-251) Analytical Chemistry II (310), Physical Chemistry I (280); Calculus (170-180) General Physics (121-122) or Classical Physics (131-132). Students are encouraged to obtain research experience through enrollment in either Directed Research in Biology (BI421-422 or BI423), Research and Seminar in Chemistry (420-421) and/or Biology Internships (450, 451, and/or 452). Should a student opt not to engage in one of the above research experiences, he/she must enroll in one additional non-introductory level laboratory course offering from either the Biology or Chemistry Department.

Following the sophomore year, a student may investigate additional areas of personal interest by selecting elective courses from among the following: Biology 318, 330, 334, 345; Chemistry 270, 281, 370, 340, 360. Other courses available to Biology and Chemistry majors may be chosen with the approval of the Biology Department Chair.

<b>Freshman Year</b>	Humanities I Freshman English 103 Language/Mathematics 170 Chemistry 130 Biology 103	Humanities II Freshman English 104 Language/ Mathematics 180 Chemistry 131 Biology 104
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Chemistry 250 Biology 327	Humanities IV Philosophy/Theology Language Chemistry 251 Biology 333
<b>Junior Year</b>	Biology 336 Philosophy/Theology Physics 121 or 131 Language/Elective Elective	Biology 341 Philosophy/Theology Physics 122 or 132 Language/Elective Elective

<b>Senior Year</b>	Biology 421/Chemistry 420 Philosophy/Theology Elective/Chemistry 280 Elective Elective	Biology 422/Chemistry 421 Philosophy/Theology Elective/Chemistry 310 Elective Elective
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See Biological Sciences Overview (p. 45) for additional information.

## **BIOLOGY**

The Biology major is designed for students wishing to explore life science at multiple levels ranging from the molecular to the organismal to the ecosystem level. The curriculum seeks to develop organizational and communication skills, critical thinking and the ability to synthesize information. Graduates of the program are well prepared to undertake advanced study in graduate, medical or dental school, or for a career in business or education.

Major requirements include:

### **Biology:**

BI103: General Biology for Majors	IBI104: General Biology for
BI345: Biostatistics	Majors II

### **Chemistry:**

CH130: General Chemistry I	CH131: General Chemistry II
CH250: Organic Chemistry I	CH251: Organic Chemistry II

### **Physics:**

PS121: General Physics I	PS122: General Physics II or
PS131: Classical Physics I	PS132: Classical Physics II

The courses above are required, plus seven other courses chosen from those listed below. At least one course must be selected from each of the following four categories (four courses total). One of the remaining three biology electives may be replaced with: Directed Research in Biology (BI421-BI422 or BI423); Internship (BI451 and/or 452); Washington Internship (BI450). Six of the seven must be lab courses.

### **Category 1 – Cellular & Molecular Biology**

- BI318: Microbiology
- BI327: Genetics
- BI330: Principles of Biotechnology (nonlab)
- BI333: Cell Biology
- BI336: Biochemistry
- BI341: Selected Topics in Biochemistry
- BI344: Nutrition (nonlab)
- BI346: Pharmacology (nonlab)

### **Category 2 – Evolution & Diversity**

- BI210: Field Botany (nonlab)
- BI325: Evolutionary Biology (nonlab)
- BI335: Animal Behavior
- BI329: Plant Biology
- BI338: Invertebrate Zoology
- BI347: Ornithology

### **Category 3 – Organismal Structure & Function**

- BI201: Exercise Physiology (nonlab)
- BI315: Comparative Vertebrate Anatomy

BI324: Developmental Biology (nonlab)  
 BI331: Human Anatomy and Physiology I  
 BI332: Human Anatomy and Physiology II  
 BI336: Animal Physiology  
 BI339: Endocrinology (nonlab)

**Category 4 – Global Issues & Environmental Science**

BI205: Biosphere at Risk (nonlab)  
 BI319: Aquatic Ecology  
 BI320: Ecology  
 BI328: Conservation Biology  
 BI340: Field Studies in Tropical Biology

To assist students in selecting a balance of courses from several academic areas, each Biology major is assigned a faculty advisor with whom a close advisee-advisor relationship must be developed. Scientific research is an important aspect of an education in science and each major is strongly recommended to replace one of the seven required courses with one of the following: (1) under the direction of a faculty member, participate in Directed Research in Biology (BI421-422 or BI423); (2) develop, with direction from the Internship Facilitator, an individual internship program (BI451 and/or 452); or (3) participate in the Washington Internship Program (BI450).

<b>Freshman Year</b>	Humanities I Freshman English 103 Language Biology 103 Chemistry 130	Humanities II Freshman English 104 Language Biology 104 Chemistry 131
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Biology Chemistry 250	Humanities IV Philosophy/Theology Language Biology Chemistry 251
<b>Junior Year</b>	Philosophy/Theology Biology Biology/Elective Physics 121 Elective	Philosophy/Theology Biology Biology/Elective Physics 122 Elective
<b>Senior Year</b>	Philosophy/Theology Biology Biology/Elective Biology 421 Elective Elective	Philosophy/Theology Biology Biology/Elective Biology 422 Elective

See Biological Sciences Overview (starting on p. 45) for additional information.

## CHEMISTRY

### **Chairperson: Derk A. Wierda**

Professors: Mary Kate Donais, George A. Parodi, Derk A. Wierda; Associate Professor: Carolyn K. Weinreb; Assistant Professor: Nicole Eyet.

The Saint Anselm College Chemistry Department provides its students with the knowledge and skills necessary to excel in chemistry within the context of a liberal arts education. Consistent with the Catholic Benedictine mission of the College, the Department seeks to develop ethical and responsible scientists, who are active in their local, national and global communities. The Department engages students in a variety of learning experiences that integrate the teaching and research laboratories with the classroom.

Chemistry as the central science is by its nature interdisciplinary, drawing on both mathematics and physics to understand basic principles and helping to inform the understanding of structure and reactivity in biological systems. As such, in addition to chemistry, students demonstrate competency in calculus, physics, and biochemistry.

The Department of Chemistry offers courses which are intended to introduce students to the descriptive and theoretical foundations of the chemical sciences. For students majoring in the other sciences, chemistry courses are offered which support and complement the major programs in those disciplines. Within the major, the department provides a core of basic information in the chemical sciences permitting the pursuit of a number of educational and career pathways. The major and two tracks are listed below.

### **Chemistry Major Curriculum**

The curriculum provides the chemistry courses upon which individualized programs may be constructed. Specific programs are arranged by students in consultation with their advisor and must be approved by the chairperson of the Department of Chemistry.

Major requirements: Mathematics 170–180; Physics 121–122 or 131–132; Chemistry 130–131, 250–251, 270, 310, 280, 281, 340, 420, 421 (For the teacher certification track, Biology 103–104 and Education 432 substitute for Chemistry 310, 281 and 421)

#### **Freshman Year**

Humanities I	Humanities II
Freshman English 103	Freshman English 104
Language	Language
Chemistry 128/130	Chemistry 131
Mathematics 170	Mathematics 180

#### **Sophomore Year**

Humanities III	Humanities IV
Language	Language
Physics 121 or 131	Physics 122 or 132
Chemistry 250	Chemistry 251
Theology/Philosophy	Theology/Philosophy

<b>Junior Year</b>	Philosophy Theology Chemistry 270 Chemistry 280 Elective	Philosophy Theology Chemistry 281 Chemistry 310 Elective Chemistry 420*
<b>Senior Year</b>	Philosophy/Theology Chemistry 340 Chemistry 421 Elective Elective	Elective Elective Elective Elective Elective

\* CH420 Research and Seminar I carries no credit.

### **Chemistry Major (American Chemical Society Certified)**

The Department of Chemistry is approved by the Committee on Professional Training of the American Chemical Society (ACS). Completion of the approved program leads to a Bachelor of Arts degree in Chemistry with American Chemical Society Certification. Students who complete this program are well qualified for graduate study or professional employment.

Major requirements: Mathematics 170–180 Physics 131–132; Biology 336; Chemistry 130–131, 250–251, 270, 310, 280, 281, 370, 340, 360, 420, 421, and at least one elective chosen from among Chemistry 355, 350, and 380. In consultation with the student’s advisor, and with the permission of the department chairperson, advanced courses in Biology, Physics, Mathematics or Computer Science may be substituted for Chemistry electives.

<b>Freshman Year</b>	Humanities I Freshman English 103 Language Chemistry 128/130 Mathematics 170	Humanities II Freshman English 104 Language Chemistry 131 Mathematics 180
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Chemistry 250 Physics 131	Humanities IV Philosophy/Theology Language Chemistry 251 Physics 132
<b>Junior Year</b>	Philosophy/Theology Chemistry 270*** Chemistry 280 Biology 336*** Elective	Philosophy/Theology Chemistry 310 Chemistry 281 Chemistry 420* Elective Elective**

<b>Senior Year</b>	Philosophy/Theology Chemistry 370*** Chemistry 340 Chemistry 421 Elective**	Philosophy/Theology Chemistry 360 Elective** Elective Elective
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\* CH420 Research and Seminar I carries no credit but is a prerequisite for CH421.

\*\* At least one of these electives must be from the list of ACS approved courses.

\*\*\* CH270, CH370 or BI336 may be taken in any order.

### Chemistry Major (Middle/Secondary Minor and Certification)

A program of studies in Chemistry which meets the requirements of the State of New Hampshire Department of Education for Teacher Certification in Chemistry. The program offers a curriculum which emphasizes chemistry, yet provides a background in related science areas needed by the high school teacher.

<b>Freshman Year</b>	Humanities I Freshman English 103 Language Chemistry 128/130 Mathematics 170	Humanities II Freshman English 104 Language Chemistry 131 Mathematics 180
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<b>Sophomore Year</b>	Humanities III Education 130 (Fall or Spring) Language Chemistry 250 Physics 121 or 131	Humanities IV Psychology 203 Language Chemistry 251 Physics 122 or 132
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*Sophomore Early Field Experience is a 30 hour component of Ed130.*

<b>Junior Year</b>	Philosophy/Theology Chemistry 280 Biology 103 Education 340	Philosophy/Theology Philosophy/Theology Biology 104 Education 322 (Fall or Chemistry 270 Spring) Elective
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<b>Senior Year</b>	Philosophy/Theology Philosophy/Theology Chemistry 340 Elective Elective Research and Seminar CH420*	Education 432** (Student Teaching) Education 442
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## **CHEMISTRY MINOR**

The Chemistry minor complements a student's major by strengthening the understanding of science at the molecular level. Experiences within these courses will assist students in recognizing and addressing the changing needs of society, as well as providing grounding in conceptual and practical knowledge. The program is designed to provide flexibility so that students can tailor the program to their personal interests.

### **Required Courses:**

CH128/130 General Chemistry I

CH131 General Chemistry II

### **Select four (4) from the following:**

CH210 Chemistry of Food

CH220 Forensic Chemistry

CH250 Organic Chemistry I

CH251 Organic Chemistry II

CH260 Environmental Chemistry

CH270 Quantitative Analysis

CH280 Physical Chemistry I

CH281 Physical Chemistry II

CH310 Instrumental Analysis

CH340 Inorganic Chemistry I

CH350 Organic Chemistry III

CH355 Polymer Chemistry

CH360 Inorganic Chemistry II

CH370 Synthesis and Characterization

CH380 Physical Chemistry III

CH400 Independent Study

CH405 Special Topics in Chemistry

CH406 Special Topics in Chemistry w/ Lab

CH410 Research

PH231 Modern Physics

BI336 Biochemistry

## **FORENSICS MINOR**

Forensics lies at the intersection of Criminal Justice and Science. This interdisciplinary minor fosters a student's appreciation and understanding of biological, chemical and image production concepts in the context of the criminal justice system. An interdisciplinary committee oversees this minor.

1. The student must be a degree candidate at Saint Anselm College.
2. The student must formally register for the interdisciplinary minor with the chair of the committee no later than the first semester of the junior year.
3. The student must complete five courses with a minimum grade of C (2.0) in each course. The student must earn a minimum C+(2.33) cumulative grade point average in the interdisciplinary minor courses.

- a. The student is required to take Evidence (CJ211).
  - b. The student is required to take Criminal Procedure (CJ212).
  - c. The student is required to take Forensic Chemistry (CH220).
  - d. The student is required to take one of the following science courses: Forensic Physics (PS104), Computer Forensics (CS228), Genetics (BI327), or Microbiology (BI108 or BI318) as appropriate to his/her major.
  - e. The student is required to take one course in image production. This course can be Photography I (FAS240) or Digital Art & Imaging I (FAS272).
4. The student must successfully complete a comprehensive exam on material from the five required courses in the interdisciplinary minor.

### **110 Principles of Physical Science I**

A study of the basic concepts of physical science including the influence of the scientific method in understanding energy and motion, Newtonian physics, electricity, magnetism, light, wave motion and kinetic theory of matter. Methods of scientific calculation are also treated.

Three hours of lecture and two hours of laboratory each week. Four credits.

### **111 Principles of Physical Science II**

A continuation of the study of the basic concepts of physical science, including: chemical reactions, ions and solutions, the Periodic Law, basic organic chemistry, nuclear chemistry, and the impact of chemistry on our everyday lives .

Three hours of lecture and two hours of laboratory each week. Four credits.

### **120-121 Chemistry and Society I - II**

Chemistry and Society is a two-semester chemistry course designed to satisfy the laboratory science requirement for students who do not plan to take additional science courses. The primary goal of the course is to present chemical principles and facts at a level sufficiently rigorous that a student successfully completing the course can act as an informed citizen and consumer. Among the topics considered: chemistry of the atmosphere; solution chemistry; energy and the laws of thermodynamics; important industrial processes; nuclear chemistry; plastics and polymers; drugs; and consumer chemistry. The course will not fulfill any requirement satisfied by CH130 or CH131, other than the College's laboratory science requirement.

Three hours of lecture/discussion and two hours of laboratory each week. Four credits.

*Prerequisite: CH120 for CH121.*

### **128 General Chemistry I with recitation**

The principles of chemistry with emphasis on the pertinent aspects of chemical theory and behavior. The descriptive chemistry of the more common elements is investigated and correlated to their structures, reactivity and properties. The laboratory work is largely quantitative

with particular emphasis on scientific observation, recording of data, and evaluation of results. The recitation provides opportunity to improve praxis of problem solving.

Three hours of lecture, one hour recitation, and three hours of laboratory each week. Five credits.

### **130-131 General Chemistry I - II**

The principles of chemistry with emphasis on the pertinent aspects of chemical theory and behavior. The descriptive chemistry of the more common elements is investigated and correlated to their structures, reactivity and properties. The laboratory work is largely quantitative with particular emphasis on scientific observation, recording of data, and evaluation of results.

Three hours of lecture, and three hours of laboratory each week for two semesters. Four credits, each semester.

*Prerequisite: CH128 or CH130 for CH131.*

### **210 Chemistry of Food**

This course is a one-semester chemistry course designed to allow non-science students interested in an opportunity to explore the chemical principles involved in the preparation of foods. The primary goal of the course is to present chemical principles at a level sufficiently rigorous that a student successfully completing the course understands at a chemical level what is occurring in food preparation.

*Prerequisite: CH121, CH131 or BI102, BI104, BI107, CH111 with permission of instructor.*

### **220 Forensic Chemistry**

A one-semester chemistry course designed to allow non-science students interested in forensics an opportunity to explore the theory and practice of this discipline. The primary goal of the course is to present chemical principles and facts at a level sufficiently rigorous that a student successfully completing the course can act as an informed citizen and be able to use this information in a criminal justice setting.

Three hours of lecture and three hours of laboratory each week. Four credits.

*Prerequisites: CH121, 131, or BI104, 107, CH111 or BI102 with permission of instructor.*

### **250-251 Organic Chemistry I - II**

A study of the structure, nomenclature, preparations, characterization methods and reactions of organic compounds. Modern theories and reaction mechanisms will be used as unifying bases.

Three hours of lecture, and three hours of laboratory each week for two semesters. Four credits, each semester.

*Prerequisite: CH131, CH250 is a prerequisite for CH251.*

### **260 Environmental Chemistry**

A one-semester chemistry course designed as an introduction to environmental chemistry. The course is taught in three parts which address the following topics: basic properties of chemicals, contaminants in the environment, and processes in the natural environment. The laboratory portion of the course addresses current methods used in the environmental science field.

Three hours of lecture and three hours of laboratory each week. Four credits.

*Prerequisites: CH131 and 250.*

### **270 Analytical Chemistry I: Quantitative Analysis**

The principles and methods of volumetric and gravimetric analysis including: ionic equilibria, ionization constants, pH, buffers, salt hydrolysis, indicators, oxidation-reduction and gravimetric factors. Applications of statistical analysis to chemical data also are included.

Three hours of lecture and four hours of laboratory each week. Five credits.

*Prerequisite: CH131.*

### **280 Physical Chemistry I**

A study of the properties of systems at equilibrium including the development and application of the laws of thermodynamics; equations of state; a brief treatment of electrochemistry; kinetic theory of gases; elementary chemical kinetics including rate laws, integrated rate laws, and the steady state approximation.

Three hours of lecture and four hours of laboratory each week. Five credits.

*Prerequisites: MA170-180; Pre or Co-requisites: PS131 or permission of instructor.*

### **281 Physical Chemistry II**

The principles of quantum mechanics are developed and illustrated by consideration of simple systems. The properties of atoms and molecules are explored and spectroscopy is presented as a tool for probing the properties of individual molecules. Statistical mechanics is introduced as a bridge between the microscopic quantum view and the macroscopic thermodynamic view.

Three hours of lecture and four hours of laboratory each week. Five credits.

*Prerequisite: CH280; Pre or Co-requisites: PS132 or permission of instructor.*

### **310 Analytical Chemistry II: Instrumental Analysis**

A study of the theoretical principles associated with many of the more important instrumental methods employed in chemical and biological analysis. Practical applications of these principles are presented through a selection of instrumental experiments.

Three hours of lecture and four hours of laboratory each week. Five credits.

*Prerequisites: CH280, or permission of the instructor.*

**340 Inorganic Chemistry I**

Introduction to inorganic chemistry including structure-bonding relationships, reaction mechanisms, descriptive chemistry of the elements and co-ordination chemistry.

*Prerequisite: CH130–131*

**350 Organic Chemistry III**

A survey of physical organic chemistry, stressing the qualitative use of molecular orbital theory in topological descriptions of structure and bonding. Thermodynamic concepts are applied toward the prediction of chemical reactivity and the elucidation of reaction mechanisms.

*Prerequisite: CH251 Pre- or co-requisite: CH280–281, or permission of the instructor.*

**355 Polymer Chemistry**

The chemical and physical properties of synthetic and biological macromolecules are studied. Included are the methods and mechanisms for polymer synthesis, the physical properties of polymers, and how these properties are utilized.

*Prerequisite: CH251.*

**360 Inorganic Chemistry II**

Specific applications of inorganic chemistry are presented. Topics covered include organometallic chemistry, bioinorganic chemistry, spectroscopic studies, catalysis and radiochemistry.

*Prerequisites: CH280–281, and 340 or permission of the instructor.*

**370 Synthesis and Characterization**

The lecture and laboratory work consider the synthesis and characterization of organic and inorganic compounds by procedures that are more sophisticated than those used in elementary courses. A variety of instrumental techniques are included. At the end of the term, students are required to design and carry out an independent synthesis project.

Two hours of lecture and five hours of laboratory each week. Four credits.

*Prerequisite: CH251, CH340 is recommended.*

**380 Physical Chemistry III**

Topics include electrical and magnetic properties of molecules, transport properties, advanced chemical kinetics, dynamics, and photo chemistry.

*Prerequisite: CH281*

**400 Independent Study****405 Special Topics in Chemistry**

This is a one-semester course designed to allow science students interested in advanced study in various areas of chemistry the opportunity to examine selected special topics in greater depth. The primary goal of the course is to present topics of interest in the areas of Analytical, Inorganic, Organic, and Physical Chemistry that go beyond the bounds of existing courses.

Successful completion of the course earns 3 credits. Three hours of lecture each week.

*Prerequisite: Permission of instructor.*

#### **406 Special Topics in Chemistry with Laboratory**

This is a one-semester course designed to allow science students interested in advanced study in various areas of chemistry the opportunity to examine selected special topics in greater depth. The primary goal of the course is to present topics of interest in the areas of Analytical, Inorganic, Organic, and Physical Chemistry that go beyond the bounds of existing courses. Successful completion of the course earns 4 credits. Three hours of lecture and two to four hours of laboratory each week.

*Prerequisite: Permission of instructor.*

#### **410 Research**

Juniors and seniors are provided with the opportunity to undertake a research project under the direction of a faculty member. Three credits.

*Prerequisite: Permission of the chairperson. This course may not replace a chemistry elective.*

#### **420 Research and Seminar I**

The student conducts library research and plans a research project under the direction of a faculty advisor. The student presents periodic oral reports to the class and faculty. In addition, faculty members and outside guest speakers present lectures on topics not covered in other courses.

Required of Chemistry majors. Open to qualified students in other majors with the permission of both department chairpersons.

*This course carries no credit, but is a prerequisite for CH421.*

#### **421 Research and Seminar II**

The student conducts research under the direction of a faculty advisor. The student presents periodic oral reports to the class and faculty, writes a senior thesis describing his/her research, and may be required to present results in poster presentations. In addition, faculty members and outside guest speakers present lectures on topics not covered in other courses.

Required of Chemistry majors. Open to qualified students in other majors with the permission of both department chairpersons. Successful completion of this course earns three credits.

*Prerequisite: CH420*

#### **431-432 Chemistry Internship**

Qualified students may be offered the opportunity to develop, with the aid of the Internship Coordinator of the Department, an internship experience relevant to their academic needs.

CH431 and Ch432 are typically the equivalent of one or two academic courses.

*Prerequisite: Permission of the Internship Coordinator of the Chemistry Department.*

## CLASSICS

**Chairperson: David B. George**

Professor: David B. George; Associate Professor: Matthew P. Gonzales;  
Lecturers: Roxanne Gentilcore, Linda E. Rulman.

Courses in Classics place students in direct contact with the sources of Western civilization, both Christian and non-Christian. The close attention given to Greek and Latin texts develops in the Classics major the ability to think critically, examine and weigh words carefully, and communicate effectively. The department, by teaching these universally recognized skills, and transmitting our Graeco-Roman heritage, seeks to prepare its students for careers in both academic and non-academic professions. Majors often pursue further studies in Classics and related fields in the liberal arts, or attend professional schools in law or medicine. The department also encourages students with concentrations in English, History, Philosophy, and Theology to supplement their studies with courses in Classics.

Major requirements: Students majoring in Classics may concentrate either in Greek or in Latin. If Latin is chosen, six courses in Latin, exclusive of Latin 103-104, and four courses in Greek are required. If Greek is chosen, six courses in Greek, exclusive of Greek 101-102, and four courses in Latin are required. It is strongly recommended that History 311-312, Philosophy 211, Fine Arts 210 and two years of a modern foreign language be taken as electives. The student must also pass a written comprehensive examination in the language, literature and culture of Greece and Rome.

Classics majors who have met the requirements of Classics 103-104 and 205-206 and wish to prepare for state certification to teach Latin in secondary schools (See Education and Teacher Education Program) will also take Classics 321-322, Classics 258, and History 312 and participate in Sophomore Early Field Experience, and Supervised Student Teaching in the second semester of the senior year.

**Freshman Year**

Humanities I  
Freshman English 103  
Science  
Classics  
Elective

Humanities II  
Freshman English 104  
Science  
Classics  
Elective

**Sophomore Year**

Humanities III  
Philosophy/Theology  
Classics  
Classics  
Elective

Humanities IV  
Philosophy/Theology  
Classics  
Classics  
Elective

**Junior Year**

Philosophy 211  
Classics  
Classics  
History 311  
Elective

Theology  
Classics  
Classics  
History 312  
Elective

<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	Classics	Classics
	Classics	Classics
	Elective	Elective
	Elective	Elective

### CLASSICAL ARCHAEOLOGY MAJOR

The major in Classical Archaeology seeks to put students in contact with the material cultures of Greece and Rome and peoples closely associated with them. Tools will be provided to reconstruct the ancient life-ways of these peoples as well as skill development in the interpretation of ancient social, political, and economic systems.

The major assists students for graduate study in anthropological archaeology, classical archaeology, cultural resource management, and historical preservation. It also provides any student with a strong intellectual interest in archaeology with a structured introduction to this field.

The following courses are required: CL275 Introduction to Archaeology; CL/FAH210 Ancient Art and Architecture; CL277/FAH206 The Archaeology of Greece or CL278/FAH207 The Archaeology of Rome; HI311 History of Greece; HI312 History of Rome; CL280 Archaeological Fieldwork (6 hrs); Two Advanced classes in either Latin or Greek; Mathematics 130 or 150; CL400 Independent Research.

In addition one course from: CL222 Classical Mythology: The Gods; CL223 Classical Mythology: The Heroes; CL231 Survey of Greek Literature; 232 Survey of Latin Literature; CL260 Ancient Law; CL261 Ancient Athletics; 262 War and Culture in the Ancient World; CL250 when an archaeological topic as well as one course from: CH220 Forensic Chemistry (or in some cases CH310 Analytical Chemistry II) OR BI325 Evolutionary Biology or an appropriate science course.

FAS110 Drawing I and FAS210 Drawing II as well as a course in Statistics are strongly encouraged.

The student must also pass a written comprehensive examination in the methods and techniques of archaeology as well as the material culture of Greece and Rome.

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Science	Science
	CL275	Elective
	Elem. Greek or Latin	Elem. Greek or Latin
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	CL/FA210	Math 130 or 150
	Inter. Greek or Latin	Inter. Greek or Latin
	Elective	CL/FA276

Summer CL280 Archaeological Fieldwork

<b>Junior Year</b>	Philosophy 211	Theology
	History 311	History 312
	Adv. Greek or Latin	Adv. Greek or Latin
	FAS111	Science Elective
	Elective	Elective
	Summer CL280 Archaeological Fieldwork	
<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	Classics	Classics
	Classics	Classics
	Elective	Elective
	CL400	Elective

### MINOR IN LATIN OR IN GREEK

The Classics Department awards an interdisciplinary minor for advanced studies in Latin or Greek to full-time, degree-candidate students not majoring in classics. The requirements of the are:

1. If Greek is chosen, two courses beyond second year Greek; if Latin, three courses beyond the intermediate level.
2. Two courses in a related field of language, literature, and culture to be determined in consultation with the chairperson and faculty of the Classics Department.
3. A minimum average of “C+” must be earned in the courses for the interdisciplinary minor. No course will be accepted in which a grade below “C” is assigned.
4. A comprehensive examination will be administered by the department.

### CLASSICAL ARCHAEOLOGY MINOR

The Department offers a minor in Classical Archaeology to full-time, degree-candidate students. Required Courses: CL275 Introduction to Archaeology; CL/FA210 Ancient Art and Architecture or CL277/FAH206 The Archaeology of Greece or CL278/FAH207 The Archaeology of Rome; HI311 History of Greece or HI 312 History of Rome; CL278 Archaeological Fieldwork

Select two course from the following: CL222 Classical Mythology: Gods; CL223 Classical Mythology Heroes; CL231 Survey of Greek Literature; CL232 Survey of Latin Literature; CL260 Ancient Law CL262 Ancient Athletics; CL250 when an archaeological topic. FAS110 Drawing I and FAS111 Drawing II are strongly encouraged.

### 101-2 Elementary Greek I - II

Provides a systematic study of Greek grammar, syntax and vocabulary accompanied by exercises designed to enable the student to read Greek prose and poetry.

### 103-4 Elementary Latin I - II

Intended for students who have had no previous instruction in Latin, the primary objective of this course is the acquisition of the skill to read Latin

through study of word forms and their use, of vocabulary, and of the rules of syntax.

**201-2 Intermediate Greek I – II**

A review of Greek grammar and syntax and a survey of Greek prose and verse with an emphasis on strengthening reading skills.

**205-6 Intermediate Latin I – II**

A review of Latin grammar and syntax and a survey of Latin prose and verse with an emphasis on strengthening reading skills.

**210 Art and Architecture of the Ancient World**

The development of Egyptian, Greek and Roman classical art and architecture within the context of religious practice, literature and public affairs. Depiction of the human figure, representation of mythical subjects and the development of the temple and other significant secular building types.

Cross listed as FAH210

**222 Classical Mythology: The Gods**

A study of major Greek myths, their origin, content and interpretation, as well as their role in ancient religion. Consideration is also given to the various approaches to mythology and the influence of classical mythology upon ancient and modern art and literature.

**223 Classical Mythology: The Heroes**

A study of major Greek and Roman saga cycles (the stories of Heracles, Oedipus, Jason, Odysseus, Aeneas, Romulus, etc.), their origin, content and interpretation. Consideration is also given to the various approaches to saga, and to the influence of classical saga upon ancient and modern art and literature.

**231 Survey of Greek Literature**

A survey of the major authors and genres of the ancient Greek world within their historical and cultural context.

**232 Survey of Latin Literature**

A survey of the major authors and genres of the Roman world within their historical and cultural context.

**250 Classics Special Topics**

An examination of various topics related to ancient Greece and Rome.

**258 Etymologies: Words and Word Power**

Vocabulary building and reading comprehension through a study of the common Greek and Latin bases which form many English words. Introduction to the principles of English word formation and to the relationship between culture and language.

**260 Ancient Law**

A survey of the legal systems of several ancient cultures, including those of

Greece and Rome, as well as the relevance and influence of these systems for modern legal institutions. Contemporary juridical debate frames discussion about the history of lawyers, the function of legislation, and the impact of law in society.

**261 Ancient Athletics**

This course aims to introduce students to the ancient world of the Greeks and Romans through a study of their athletic practices, competitions, and spectacles. A series of illustrated lectures will dwell in detail upon the nature of the competitions themselves as well as their physical and cultural setting.

**262 War and Culture in the Ancient World**

This course aims to introduce students to aspects of the culture of the ancient Egyptians, Greeks, and Romans by studying how the practice of ancient warfare intertwines with broader cultural developments of the ancient world. A series of illustrated lectures will dwell in detail upon the nature of ancient warfare itself and its interrelation with the political, religious, and economic realities of the ancient world.

**275 Introduction to Archaeology**

An introduction to the discipline and methods of archaeology through a survey of important sites and excavations from around world. The course pays special attention to the scientific and technological aspects of archaeology.

**277 Survey of the Archaeology of Greece**

A survey of the major sites and monuments of ancient Greece. The course pays special attention to how archaeology relates to other approaches to the study of classical antiquity e.g. history, art history, and philological studies. Cross listed with FAH206.

**278 Survey of the Archaeology of Rome**

A survey of the major sites and monuments of ancient Roman World. The course pays special attention to how archaeology relates to other approaches to the study of classical antiquity e.g. history, art history, and philological studies. Cross listed with FAH207.

**280 Archaeological Fieldwork**

Fieldwork in Greece, Italy or the Mediterranean Basin or work in a museum collection.

**281 Study Tour**

Greece and/or Italy. Comprehensive overview of ancient Greek and Roman civilizations with emphasis on topography, art, archaeology, culture and classical tradition. Tour may encompass Rome, Pompeii, Herculaneum in Italy; Athens, Mycenae, Delphi, Corinth, Epidaurus in Greece.

**301 Greek Historiography**

Readings from select Greek historical authors with discussions on style, techniques of composition, and sources. Lectures are also given on the development of Greek historiography.

### **302 Greek Philosophy**

Readings from select Greek philosophical writers with discussions on language, style, techniques of composition, and sources. Lectures are also given on the development of Greek philosophy.

### **310 Greek Epic**

Readings and discussions selected from Homer. Lectures on the Homeric question, Homeric dialect, and the development of Greek epic poetry are given.

### **314 Greek Tragedy**

One complete tragedy is read, chosen from the corpus of Aeschylus, Sophocles, or Euripides. Supplementary lectures are given on the origins of Greek tragedy, on Greek dramatic production, and on Greek tragic meters.

### **315 Greek Comedy**

A Greek comedy, chosen from the works of Aristophanes or Menander, is read in its entirety. Lectures are given on the themes of Greek comedy and on the differences between Greek Old Comedy and Greek New Comedy.

### **317 New Testament Greek**

Selected readings from the Gospels and Epistles of the New Testament or from the Greek Fathers, together with lectures on the development of Koine Greek and its differences from Attic Greek.

### **319 Greek Special Topics**

An examination of various topics related to ancient Greek.

### **321 Latin Prose Composition I**

An intensive review of Latin syntax and morphology leading to composition of sentences and short connected passages.

### **322 Latin Prose Composition II**

Study of the development and style of Latin prose; prose composition exercises. Selected passages from various Roman authors are translated and analyzed.

### **323 Vergil**

Readings from the Aeneid with lectures on Vergil's style, the epic tradition, and Vergil's relationship to Augustan Rome. Selected readings from the Eclogues and Georgics may also be included.

### **324 Cicero**

Selected readings from Cicero's speeches with lectures on Roman rhetorical techniques, Cicero's prose style, and late Republican history.

### **325 Ovid**

Readings from the Metamorphoses, supplemented by lectures on Ovid's style and his place in the epic tradition. Selections from the Tristia and the Ars Amatoria may be included.

**330 Roman Epic Poets**

A survey of Latin epic poetry including Ennius, Vergil, Lucan and Statius. Lectures on the nature of Roman Epic and its relationship to Roman History.

**331 Roman Comedy**

Selected readings from the plays of Plautus and Terence with lectures on the development of Roman comedy and its influences on the Renaissance and later writers.

**332 Roman Lyric Poets**

Selected readings from Horace's Odes and Catullus' poems with lectures on themes, meter, and style.

**333 Roman Elegiac Poets**

Selected readings from Tibullus, Propertius, and Ovid supplemented by lectures on the development of the genre.

**334 Roman Satire**

Selected readings from Horace, Persius, and Juvenal supplemented by lectures on the evolution of Roman satire and the relationship of the genre to the political and social environment.

**336 Roman Philosophy**

Selected readings from Roman philosophical authors including Cicero, Lucretius and Seneca. Lectures on the development of Roman philosophical writing and philosophy.

**340 Silver Age Latin**

Selected readings of Silver Age prose and poetry with lectures on Roman imperial history after Augustus.

**341 Roman Historiography – Republican**

Selected readings from Caesar and Sallust with lectures on genre and style.

**342 Roman Historiography – Imperial**

Selected readings from Livy and Tacitus with lectures on genre and style.

**346 Post Classical Latin**

Selected readings from the Church Fathers, late pagan authors, and significant medieval prose writers and poets with lectures on the evolution of Latin and various topics pertinent to the chosen authors.

**350 Latin Special Topics**

An examination of various topics related to Latin.

**400 Independent Study**

**419 Greek Seminar**

Selected authors or topics are presented for special study.

**450 Latin Seminar**

Selected authors or topics are presented for special study.

## COMPUTER SCIENCE

### **Chairperson: Carol Traynor**

Associate Professors: Mihaela E. Malita, Carol Traynor; Assistant Professor: Rajesh Prasad.

The Department of Computer Science offers a major program of study in computer theory and applications. The curriculum is designed to prepare students for graduate studies or for work in industry. Students take courses which acquaint them with both software and hardware.

Major requirements include Computer Science CS111, CS112, CS115, CS116, CS213, CS220, and four other computer science courses numbered 200 or above, two of which must be from CS270, CS310, CS311, CS325, and CS343. Students are also required to take MA170-180 and a statistics course.

<b>Freshman Year</b>	Humanities I Freshman English 103 CS115 Discrete Math I Language CS111 Computing I	Humanities II Freshman English 104 CS116 Discrete Math II Language CS112 Computing II
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Science* CS213 Data Structure & Algorithms	Humanities IV Philosophy/Theology Language Science* CS220 Computer Architecture
<b>Junior Year</b>	Philosophy/Theology Computer Science Economics 121 Mathematics 170 Elective	Philosophy/Theology Computer Science Mathematics 180 Elective Elective
<b>Senior Year</b>	Philosophy/Theology Computer Science Elective Elective Elective	Philosophy/Theology Computer Science Elective Elective Elective

\*Elementary or General Physics recommended.

## COMPUTER SCIENCE MINORS

The minor in Computer Science provides students with a general proficiency in the field of Computer Science and prepares them to enter a field that requires a level of computer expertise. Students gain a foundation in the field that will enable them to explore in more detail how to use computers to solve real-world problems.

Students will complete 6 courses (4 required and 2 electives) to earn a minor in Computer Science.

**Required Courses:**

CS111 Computing I (In special cases a student may substitute another CS course for this requirement; see \* below)

CS112 Computing II

CS115 Discrete Math I or an approved Math course \*\*

CS220 Computer Architecture

**Electives:**

Students can choose any two Computer Science courses numbered 200 or above excluding CS204 A Computational Approach to Problem Solving.

\* In the event that a student is eligible to take CS112 without taking CS111, the student can substitute another Computer Science course for CS111 with department approval. CS325 Operating Systems is strongly recommended.

\*\* This math requirement can be fulfilled by MA170 Calculus I, a Statistics course (EC121, MA330, SO212, CJ203, BI345, PY301) or another Math-based course approved by the department.

### **COMPUTER SCIENCE INTERDISCIPLINARY MINOR**

The Computer Science Department also participates in the following interdisciplinary minors: Web Design and Computational Physical Science. For more information about these programs, please refer to the Interdisciplinary Minor Section of the catalog

### **COURSES OFFERED BY THE COMPUTER SCIENCE DEPARTMENT**

Unless otherwise stated below courses can count as a Computer Science elective towards our Computer Science Major programs or Computer Science Minor.

#### **101 Digital Literacy**

Computers and their applications are at the center of our everyday lives. In this course, we explore what it means to communicate effectively and engage in critical thinking and problem solving using computers as a creative tool. Students also build on their quantitative reasoning skills. Students learn how to analyze information and problem solve using Word Processing, Spreadsheet, Presentation, Database, Cloud Computing, Wiki/Blog and GIS to visualize, organize, present, document, explain, and query information. Students also learn how to create basic web pages in order to share them with a greater audience. This course fulfills a computer science requirement for the minor in Web Design and counts as a free elective for Computer Science Majors. This course does not count towards the Computer Science Minor.

*Courses open to all majors – no prerequisite.*

### **111-112 Computing I - II**

This two part sequence provides a breadth first to the field of Computer Science. Students learn the history of Computer Science as well as the basics about operating systems and computer architecture. Students learn how to think logically and how to problem solve with computers. Students are introduced to the general concepts and techniques of object oriented programming, and an emphasis is placed on generating working programs. Students also gain an understanding of the implementation of programming designs, and basic concepts of data structures. These courses include a laboratory component. Required for Computer Science Major and Computer Science Minor programs.

*Prerequisites: CS112 requires CS111 or permission of the instructor.*

### **115-116 Discrete Mathematics I - II**

An introduction into the mathematical structures fundamental to various areas of computer science. Topics include combinatorics, logic, set theory, matrix algebra, graph theory, trees, Boolean algebra, recursion, and algebraic structures. Required for Computer Science Major (CS115, CS116) and Computer Science Minor programs (CS115 or equivalent).

*Prerequisites: CS116 requires CS115 or permission of the instructor.*

### **204 Computational Approach to Problem Solving**

The goal of this course is to prepare students to analyze data and solve real-life business and scientific problems, using a software application such as Microsoft Excel as a tool. Students will move beyond the basic “point and click” and will be challenged to use critical thinking and analysis to find efficient and effective solutions to real-life situations, as well as build on information literacy. This course counts as a Computer Science elective for the Computer Science with Business Major and as a free elective for other Computer Science major programs. Does not count towards minor in Computer Science.

*Courses open to all majors - no prerequisite.*

### **205 Fundamentals and Issues of Using the Internet**

Designed for non-majors who wish to deepen their understanding of the Internet, this course explores the fundamentals of Internet communication and the systems/applications that facilitate it. Students gain a basic understanding of the technical side of the Internet while learning how to leverage it to their advantage with subjects such as online research techniques, good privacy, latest online applications, and security practices, and an introduction to HTML and web page creation. Topics of class discussion include online ethics in an era of “free” information and safety in the face of increasing threats to information security. This course counts as a Computer Science elective for the minor in Computer Science and as a free elective for Computer Science Major programs. Required for the minor in Web Design.

*Courses open to all majors - no prerequisite.*

**210 Introduction to Geographic Information Systems (GIS)**

This course serves as an introduction to Geographic Information Systems (GIS). Students will be introduced to the fundamental principal and practices of GIS. This course will focus on spatial data development and analysis of this data. Topics covered will include basic data structures, data sources, data collection, data quality, understanding maps, building a GIS, Global Navigation Satellite Systems, digital data, attribute data and tables, and basic spatial analysis.

*Courses open to all majors – no prerequisite.*

**213 Data Structures and Algorithms**

An introduction to the fundamental concepts of data structures and the algorithms that proceed from them. Topics include the underlying philosophy of object-oriented programming, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, recursion, and graphs), and the basics of algorithmic analysis. Required for all Computer Science Major programs.

*Prerequisite: CS112*

**220 Computer Architecture**

An examination of the basic functional components found in a computer i.e., the CPU, memory systems, and I/O. Topics include CPU layout and operation, the ALU, machine instruction processing, assembly language, and alternative architectures such as parallel processing. Required for all Computer Science Major programs and Computer Science Minor.

*Prerequisite: CS111 and CS115*

**228 Computer Forensics**

With the advent of the Digital Age, cybercrime has become one of the most serious threats to our nation and to the population at large. In this course, students will be introduced to the field of computer forensics where they will learn to acquire, secure, recover, validate and analyze digital information for use in criminal and civil investigations. Instruction will include lectures, hands-on activities and student presentations.

*Courses open to all majors – no prerequisite.*

**230 Computer Networks**

An introduction to the structure, implementation, and theoretical underpinnings of computer networking and the applications enabled by that technology. Topics include the layers of the OSI and TCP/IP stacks, common communication protocols, network architecture, internet applications, and network security.

*Prerequisite: CS112 or permission of the instructor*

**250 Human-Computer Interaction**

This course is a survey of the field of Human-Computer Interaction (HCI). It focuses on design strategies for making software usable by real-world people for doing real-world work. The topics studied will include: the

role of HCI in the software product life cycle, task analysis of the user's work, architectures for human-computer dialogues, new and traditional approaches to user interface design, user interface standards, human-computer interface evaluation, computer-supported cooperative work, usability issues, and ethical issues. Classes will include both lectures and hands-on lab work. Fulfills a computer science requirement for the minor in Web Design.

*Courses open to all majors – No prerequisite*

### **255 Computer Graphics**

This course provides an introduction to the computational concepts that generate graphics and animations with a computing system. Students learn about the hardware, software, computer languages, and mathematical tools used in the construction of graphic images on a computer screen. Selected topics include graphics data structures and modeling, 2-D and 3-D mathematical tools for modeling and viewing graphic components, hidden line and hidden surface removal, and generating 3-D models for use on the Internet. Fulfills a computer science requirement for the minor in Web Design.

*Prerequisite: CS111 or permission of the instructor*

### **270 Database Management**

An introduction to techniques for handling a large database, the physical organization of data, indexed files, sequential addressing, random access, concurrent operation, data inquiries, and query optimization, implementation of data structures and the time-space trade-off, database protection with file security.

*Prerequisite: CS101 or CS111 or permission of the instructor*

### **290 Systems and Software Development**

An introduction to processes and design techniques involved in typical software development problems, and the systems development lifecycle. Topics include basic analysis and design methodologies and tools, generating requirements and specifications, and carrying out system implementation.

*Prerequisites: CS112 or permission of the instructor*

### **310 Advanced Algorithmic Analysis**

An examination of the formal techniques and underlying mathematical theory behind efficient programming. Topics include asymptotic analysis of complexity bounds for both recursive and iterative algorithms, advanced tree and graph algorithms, fundamental algorithmic strategies (brute-force, greedy, divide-and-conquer, backtracking, branch-and-bound, pattern matching, and numerical approximations), and the implications of non-computability. Recommended for students considering graduate school.

*Prerequisite: CS213*

**311 Theory of Computation**

A comparison of abstract machines and their physical counterparts, finite state machines, neural networks, regular expressions, Turing machines, the concept of computability and the relationship to machines, digital computers and universal machines. Mathematical proofs are an integral part of the course. Recommended for students considering graduate school.

*Prerequisite: CS213 or permission of the instructor*

**325 Operating Systems**

An operating system is a manager of computer resources, including the memory, the processor, the I/O devices, and the information. Topics considered include partitioned memory, paged memory, segmented memory, processor scheduling, traffic controllers, devices and virtual devices, interrupt handling and resource protection. Recommended for students considering graduate school. Students may take Computer Architecture concurrently with this course.

*Prerequisite: CS220 or permission of the instructor*

**338 Internet and Web-Based Systems**

The course provides an in-depth knowledge and understanding of how the Internet and the World Wide Web (www) operate, client-server architecture, and the technical knowledge required to establish and maintain an Internet/Web site. Further, we look at the various (technical and non-technical) directions the Internet/Web is taking, and its increasing influence on our day-to-day lives. Students will be given a series of projects that apply the overviews into practice.

*Prerequisite: CS213 or permission of the instructor.*

**343 Programming Paradigms**

A study of the features of programming languages: syntax, semantics, control structures, study of types, subprograms, parameters and passing mechanisms, design issues for languages, and an introduction to classification of languages e.g., functional, procedural, object-oriented, etc. Recommended for students considering graduate school.

*Prerequisite: CS213*

**360 Artificial Intelligence**

An introductory overview of the technical, practical and philosophical issues involved in the machine simulation of intelligent behavior. Among the technical issues to be covered are analogy recognition and simple concept learning, exploiting natural constraints and exploring alternatives, controlling attention and interpreting language, knowledge representation and knowledge engineering, symbolic pattern matching, and logic and theorem proving.

*Prerequisite: CS112 or permission of the instructor*

**400 Independent Study**

#### **450 Selected Topics in Computer Science**

Topics are selected from areas of interest to the current faculty.

*Prerequisite: Permission of the instructor*

#### **455 Research and Seminar I**

The student conducts library research and plans a research project under the direction of a faculty advisor. The student presents periodic oral reports to the class and faculty. In addition, faculty members and outside guest speakers present lectures on topics not covered in other courses. This course carries no credit, but is a prerequisite for CS452.

*Prerequisite: Permission of the department chairperson.*

#### **456 Research and Seminar II**

The student conducts research under the direction of a faculty advisor. The student presents periodic oral reports to the class and faculty, writes a thesis describing his/her research, and may be required to present the results in poster presentations. In addition, faculty members and outside guest speakers present lectures on topics not covered in other courses.

*Prerequisite: Research and Seminar I*

#### **481 Internship (one course)**

Students are placed in a field experience situation with corporations in the Greater Manchester area. Students earn a letter grade.

*Prerequisite: Permission of both the coordinator and the chair of the Computer Science Department*

#### **482–483 Internship (two courses)**

Students are placed in a field experience situation with corporations in the Greater Manchester area. CS482 and CS483 can only be taken concurrently. CS482 is graded on a pass/fail basis. Students earn a letter grade for CS483.

*Prerequisite: Permission of both the coordinator and the chair of the Computer Science Department*

## COMPUTER SCIENCE WITH BUSINESS EMPHASIS

**Chairperson: Carol Traynor**

The Computer Science Department offers a degree program for students who are interested in computer applications in business. The courses selected in this major are designed to equip the student to apply computers to business situations and orientations.

Major requirements include CS111, CS112, CS115, CS116, CS213, CS220, CS270, and at least three other computer science courses numbered 200 or above with CS290 strongly recommended. Also required are EC121, EC111, EC112, EC231, and either EC221 or EC224.

<b>Freshman Year</b>	Humanities I Freshman English 103 CS115 Discrete Math I Language CS111 Computing I	Humanities II Freshman English 104 CS116 Discrete Math II Language CS112 Computing II
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Science* CS213 Data Struct Architecture	Humanities IV Philosophy/Theology Language Science* CS220 Computer & Algorithms
<b>Junior Year</b>	Philosophy/Theology Computer Science EC121 Business Statistics EC111 Financial Accounting Elective	Philosophy/Theology Computer Science EC112 Cost Accounting Elective Elective
<b>Senior Year</b>	Philosophy/Theology Computer Science EC231 Marketing I Elective Elective	Philosophy/Theology Computer Science EC221 or EC224 Elective Elective

\*Elementary or General Physics recommended

## COMPUTER SCIENCE WITH MATHEMATICS EMPHASIS

### Chairperson: Carol Traynor

The Computer Science Department also offers a degree program for students who wish to combine Computer Science and Mathematics. Major requirements include CS111, CS112, CS115, CS116, CS213, CS220, and at least two other Computer Science courses numbered 300 or above, with Analysis of Algorithms strongly recommended. Mathematics requirements include: 170, 180, 210, 220 310, and two other mathematics courses from 370, 380 and 390. Students are encouraged to take statistics and additional computer science courses as electives.

<b>Freshman Year</b>	Humanities I Freshman English 3 CS115 Discrete Math I Language CS111 Computing I	Humanities II Freshman English 4 CS116 Discrete Math II Language CS112 Computing II
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Mathematics 170 Science*	Humanities IV Philosophy/Theology Language Mathematics 180 Science*
<b>Junior Year</b>	Philosophy/Theology CS213 Data Struct & Algorithms Mathematics 210 Computer Science Elective	Philosophy/Theology CS220 Computer Architecture Mathematics 220 Elective Elective
<b>Senior Year</b>	Philosophy/Theology Mathematics 310 Mathematics Elective Elective	Philosophy/Theology Mathematics Computer Science Elective Elective

\*Elementary, General or Classical Physics, recommended

## CRIMINAL JUSTICE

**Chairperson: Peter J. Cordella**

Professors: Peter J. Cordella, John A. Humphrey, Elaine M. Rizzo; Assistant Professors: David I. Hull, Christopher E. Bruell; Lecturer: Amanda Breen.

The objective of the Department is to provide the student with an understanding of the problem of crime in America, the impact of crime on victims, and the systems which identify, process, and treat the offender. Criminal Justice encompasses the areas of law enforcement, prosecution, the courts, and corrections, including probation and parole. The major in Criminal Justice consists of eleven courses. Required Courses include: Criminal Justice 101, 105, 200, 202, 430. The selection of two from the following Criminal Justice Systems Courses: CJ205, 221, 224 231 and the selection of one from the following: Criminal Justice Law Courses: CJ209 or 212 and three additional courses in Criminal Justice. Only two of the three electives can be fulfilled by an internship (CJ450, CJ451, or CJ453) regardless of the number of courses awarded for the Internship. Criminal Justice majors are strongly encouraged to take the Spanish language sequence. For a list of recommended free electives, consult the Criminal Justice Department.

<b>Freshman Year</b>	Humanities I Freshman English 103 Science Language Criminal Justice 101	Humanities II Freshman English 104 Science Language Criminal Justice 105
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Criminal Justice 200 Language Liberal Arts Elective	Humanities IV Philosophy/Theology Criminal Justice 202 Language Liberal Arts Elective
<b>Junior Year</b>	Philosophy/Theology Criminal Justice Law Criminal Justice Systems Liberal Arts Elective Liberal Arts Elective	Philosophy/Theology Criminal Justice Systems Criminal Justice Liberal Arts Elective Liberal Arts Elective
<b>Senior Year</b>	Philosophy/Theology Criminal Justice 430 Criminal Justice Liberal Arts Elective Liberal Arts Elective	Philosophy/Theology Criminal Justice Liberal Arts Elective Liberal Arts Elective Liberal Arts Elective

## **CRIMINAL JUSTICE MINOR**

The minor in Criminal Justice is designed to introduce students to the foundational ideas and concepts that inform society's understanding of crime causation and the criminal justice system. Students will become familiar with the major theories of crime as well as criminological research. In addition, students through their choice of electives will be able to more thoroughly explore one of the substantive areas of criminal justice: policing, law, corrections, or juvenile justice.

The Minor in Criminal Justice will consist of seven courses in the following sequence:

### **Required Courses:**

CJ101 Introduction to Criminal Justice  
CJ105 Theories of Crime  
CJ200 Statistical Methods for Criminal Justice  
CJ202 Research Methods

### **Select one Criminal Justice Systems course from the following:**

CJ201 Theories and Practice of Punishment  
CJ221 Deviance and Social Control  
CJ224 Police and Society  
CJ231 Juvenile Justice

### **Select one Criminal Justice Law course from the following:**

CJ209 Criminal Law  
CJ212 Criminal Procedure

One Criminal Justice elective

### **101 Introduction to the Criminal Justice System**

Traces the history and philosophy of criminal justice, considers constitutional limitations, studies the roles of various agencies, reviews the process of justice, and evaluates modern criminal justice.

### **102 Comparative Models of Justice**

This course compares and contrasts the major models of justice: punitive, compensatory, restorative, educative and therapeutic using cross national data related to the major criminal justice functions of policing, criminal processing and corrections as the basis for analysis.

### **105 Theories of Crime**

This course traces the history of criminological thought, and investigates the philosophical, biological, psychological and sociological explanations of crime. Special attention is given to theory construction, the evaluation of theory, and the policy and methodological implications of different types of theories.

### **200 Statistical Techniques for Criminal Justice**

This course involves the application of statistical techniques to social science data as typically illustrated in the research and writing of Criminal

Justice professionals. As a course for majors, it represents an important part of the student's methodological training with respect to the statistical analysis of data typically used by social scientists. Students are expected to carry out a number of exercises involving the statistical analysis of data and to interpret the results. The course covers widely used statistical techniques including descriptive and inferential statistics, hypothesis testing, cross tabulation, correlation, and linear regression. (Formerly CJ203).

*Prerequisite: Criminal Justice 101 or 105*

### **202 Research Methods in Criminal Justice**

An introduction to the issues of problem formulation, research ethics, research designs, data-gathering strategies and statistics and data analysis. The course will attempt to familiarize the student with research methods through the use of criminal justice studies.

*Prerequisite: Criminal Justice 101 or 105*

### **205 Theories and Practice of Punishment**

An overview of the philosophical and theoretical assumptions behind various approaches to punishment. The course will also examine the historical development and content of various correctional programs (Formerly CJ201).

### **209 Criminal Law**

The history of criminal law, its development in America, elements of crime, law of arrests, and courtroom procedures.

*Prerequisite: Criminal Justice 101*

### **211 Evidence**

The rules of evidence, types of evidence, principles of exclusion, evaluation and examination of evidence and proof, competency of witness, hearsay rule and opinion, testimony in court.

*Prerequisites: Criminal Justice 101 and either 209 or 212.*

### **212 Criminal Procedure**

An examination of the law of search and seizure, including a thorough study of basic concepts in the law of search and seizure, search incident to arrest, search warrants, consent searches, emergency searches, administrative searches, procedural requirements, exclusionary evidence rule, state statutory provisions relating to search and seizure.

*Prerequisites: Criminal Justice 101*

### **220 Community Corrections**

An examination of correctional programs that specifically utilize such assets of the community as family support, employment and training opportunities, social services, and opportunities for victim compensation. Special attention will be directed to the merger of punitive, rehabilitative and reintegrative elements within the community corrections model.

Among the community corrections programs to be examined will be halfway houses, community service, house arrest, work release, and victim/offender reconciliation.

*Prerequisite: Criminal Justice 101 and 201.*

### **221 Deviance and Social Control**

An examination of the origin, nature and scope of socially disapproved behavior. Special attention will be directed to mechanisms of social control utilized by different societies to limit deviant behavior. Among the substantive areas to be covered will be mental illness, addiction, violence, suicide and corporate and organizational deviances. In addition the course will compare and contrast images of deviance and social control historically and cross culturally.

### **223 White Collar Crime**

An examination of both occupational and organizational criminality. Special attention will be directed to the unique nature of white collar criminality in light of our traditional understanding of crime. The course will explore such issues as the evolution of regulatory law, corporate responsibility, and the limits of law and law enforcement in combating white collar crime.

### **224 Police and Society**

An examination of the police image in a changing society, including police-citizen partnership in crime prevention. Issues in policing, including use of deadly force, stress, education, and corruption together with administrative issues, including recruitment, promotion, and management are considered.

*Prerequisite: Criminal Justice 101.*

### **225 Law in Theory and Practice**

This course examines the nature and functions of law in maintaining social order, resolving conflict and regulating behavior. Special attention is directed to the comparison of the substantive and procedural elements of law.

### **231 Juvenile Justice System**

A review of the Juvenile Court system, highlighting such areas as Juvenile Law, Court Diversion, Court Procedures, Dispositions, Sentencing, and Waiver and Corrections.

*Prerequisite: Criminal Justice 101.*

### **310 Probation and Parole**

The function of probation and parole in the administration of Criminal Justice, including the law and theory of probation and parole, conditions under which they are granted, an evaluation of their efficacy, possible alternative dispositions.

*Prerequisites: Criminal Justice 101 and 201.*

**320 Wrongful Convictions**

This course analyzes the criminal justice processes that result in the conviction of an innocent person. Two key issues are addressed: 1) “why” wrongful convictions occur, and 2) “how” are wrongful convictions possible given the Constitutional safeguards available in the United States. The issue of “why” wrongful convictions occur centers on the actions of individual agents of the criminal justice system: police, forensic experts, prosecutors and members of the judiciary that result in wrongful conviction. The issue of “how” wrongful convictions occur focuses on the structure and processes of the criminal justice system that lead to wrongful conviction. Reforms in the administration of justice intended to reduce the likelihood of wrongful convictions are explored.

**326 Criminal Justice Organization and Administration**

An appraisal of the principles of organization and management which may be applied to criminal justice agencies, including command and control, operational and administrative planning, allocation of resources, and program budgeting. Emphasis is directed toward executive development.

*Prerequisite: Criminal Justice 101.*

**328 Crisis Intervention**

An academic understanding of crisis situations and crisis behavior, as well as practical orientation to the techniques and skills necessary for effective intervention. Special attention will be given to specific crisis situations such as family violence, rape, and suicide.

**350 Victims of Crime and Social Injustice**

An examination of the role and characteristics of victims of crime and social injustice. Analysis will include shared victim attributes, determinants of vulnerability and risk, the victim-offender relationship, and the psychological impact of victimization. Attention will also be given to societal reaction to victims, the treatment of victims in the justice system, and the relationship between criminal victimization, human rights violations, principles of social justice and contemporary developments in policy and services to address the rights and needs of victims.

**361 Women and Crime**

An analysis of sex-linked differences in aggression provides the conceptual basis for examination of the nature and extent of female crime through history to the present day, focusing on the most common forms of criminal expression. Emphasis is placed on traditional and contemporary theories of causality, the legal status of women, the processing of women through the criminal justice system and the impact of rising female criminality upon fundamental institutional structures and social organization.

**363 Comparative Constitutional Law**

An analysis of constitutional development in England, France, Japan and the United States with particular attention to individual rights and their effect upon the Criminal Justice System.

*Prerequisites: Criminal Justice 101 and either 209 or 212.*

### **367 Special Topics in Criminal Justice**

This course is a detailed examination, in a seminar format, of a topic of current interest or concern in criminal justice or criminology. The department will choose and announce the topic(s) prior to course registration.

### **400 Independent Study**

#### **430 Senior Seminar**

The course is designed as a capstone experience for all criminal justice students that integrates the major criminological theories with the dominant research methods utilized in the study of crime. The objective of the course is to provide the student the opportunity to address a fundamental question concerning crime causation and/or society's response to crime. This semester long research project is carried out under the direction of a faculty member. A significant amount of work for the course is done outside the classroom in one on one meetings with the faculty member. Each student chooses their own topic at the outset of the semester. Student topics are drawn from both criminology and criminal justice.

#### **450 Internship**

Criminal Justice seniors may be selected to spend one semester interning with a Criminal Justice agency. The student must spend an average of 40 hours per week with the agency. Twelve credits are awarded for the successful completion of the program, but only 6 credits i.e. two electives count towards the three required Criminal Justice elective courses

#### **451 Internship**

Criminal Justice seniors may be selected to spend one semester interning with a Criminal Justice agency. The student must spend an average of 20 hours per week with the agency. Six credits are awarded for the successful completion of the program, and may count towards the three required Criminal Justice electives

#### **453 Internship**

Available only to students who have successfully completed the six credit internship, CJ451. Six credits are awarded for the successful completion of the program; these credits will not count toward the three required Criminal Justice electives.

## ECONOMICS AND BUSINESS

### **Chairperson: Amy B. Schmidt**

Professor: Arthur M. Kenison; Associate Professors: Gilbert B. Becker, Michael J. McGuinness, R. Janet Romaine, John F. Romps, Amy B. Schmidt; Assistant Professors: Dinorah Frutos-Bencze, Jennifer Wells Kelber, Kelly A. Lalonde, Luke T. Miller, Srikant Vadali; Lecturers: Michael S. DeLucia, Irene Dickinson, David St. Cyr.

The Department of Economics and Business offers five majors: Business, Economics, Financial Economics, Accounting or International Business. The majors are designed to prepare students for work in the business world or for graduate study in economics or business.

In addition, the College offers two combined majors: Computer Science with Business, or Mathematics with Economics. For details, see the descriptions under the Computer Science or Mathematics departments.

### **Major Requirements**

All students are required to take the following classes (department core requirements): Principles of Micro- and Macro-Economics, Financial Accounting, and Business Statistics.

**Requirements for the Business major:** Cost Accounting, Human Resource Management, Principles of Marketing, Financial Management, International Business Management, and three Economics and Business electives.

**Requirements for the Economics major:** Intermediate Micro- and Macro-Economics, Money and Banking, Economics of Industrial Organization, Econometrics, and one of the following courses: International Economics, Environmental Economics, Labor Economics or Seminar in Economics; plus two Economics and Business electives.

**Requirements for the Financial Economics major:** Intermediate Micro- and Macro-Economics, Money and Banking, Financial Management I, Investments I, and one of the following: Financial Management II, Portfolio Analysis, or Investment Theories and Practices; plus two Economics and Business electives.

**Requirements for the Accounting major:** Cost Accounting, Intermediate Accounting I and II, Federal Taxation I, Financial Management I, Auditing, Business Law, and one Economics and Business elective.

**Requirements for the International Business major:** Human Resource Management, Principles of Marketing, Financial Management, International Business Management, and two of the following: International Economics, International Finance, International Marketing. In addition the student (a) must complete two courses beyond the intermediate level in a modern language, and (b) must select one course in politics or history dealing with the international environment, approved by his or her advisor in the department.

Please note that some classes in Economics and Business require that students have access to a computer during class time. These courses will

be noted below. Students will in some cases be expected to bring a laptop to these classes.

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Science	Science
	Language	Language
	Principles of Micro-Economics*	Principles of Macro-Economics*
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	Language	Language
	Financial Accounting*	Cost Accounting*
	Business Statistics	Bus./Econ. course

\*Accounting majors may take the accounting courses in their freshman year and the economics courses in their sophomore year

<b>Junior Year</b>	Philosophy/Theology	Philosophy/Theology
	Bus./Econ. course	Bus./Econ. course
	Bus./Econ course	Bus./Econ. course
	Elective	Elective
	Elective	Elective
<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	Bus./Econ. course	Bus./Econ. course
	Elective	Elective
	Elective	Elective
	Elective	Elective

### **ACCOUNTING MINOR**

As students assume roles of supervisors, managers and above in their future for profit and not for profit jobs, many of the metrics by which they will be judged and by which they will judge their associates are driven by the accounting function. A good understanding of the determining factors behind the numbers generating these metrics will allow a future manager to see beyond the numbers and make more informed business decisions. The Accounting minor is geared to provide this understanding as well as a good working knowledge of increasingly complex tax laws. Additionally, should a non-Accounting major decide to pursue a CPA at a later point in life, as many often do, a good solid foundation has been created to make this transition easier.

A minor in Accounting requires six courses – five requirements and one accounting elective.

**Required Courses:**

EC111 Financial Accounting

EC112 Cost Accounting  
 EC211 Intermediate Accounting I  
 EC212 Intermediate Accounting II  
 EC213 Federal Taxation I

**Electives:**

EC214 Federal Taxation II  
 EC215 Accounting Information Systems  
 EC311 Advanced Accounting  
 EC313 Auditing  
 EC321 Business Law

Students who are majoring in Business, Economics, Financial Economics or International Business may minor in accounting, with the following condition: of the six course required for the accounting minor, only 3 may overlap with required courses in the student's major (including electives).

### **ECONOMICS MINOR**

The Economics minor is available to any student with another major who wishes to pursue an interest in Economics. It consists of 2 required courses: Principles of Micro-economics and Principles of Macro-economics, plus any 3 economics classes:

EC241 Intermediate Macroeconomics  
 EC242 Intermediate Microeconomics  
 EC243 Money and Banking  
 EC244 Economics of Industrial Organization  
 EC245 Labor Economics  
 EC247 International Economics  
 EC342 Econometrics  
 EC441 Special Topics in Economics  
 EC121 (or equivalent) Statistics

At most, 2 courses can count towards other major or minor requirements. For example, since business majors are required to take EC141, 142 and 121, a business major would need to take 3 additional courses to satisfy the requirements for the Economics minor.

#### **103 Personal Finance for Non Business Majors (Juniors and Seniors Only)**

A comprehensive overview of the financial facts of everyday life. The course covers topics including but not limited to budgeting, taxes, home and car buying, insurances (home, car, health and life) as well as stocks, bonds and mutual funds.

#### **111 Financial Accounting**

Presents accounting concepts leading to the preparation of a company's financial statements. Reviews the importance of good accounting information for the capital market and for proper decision making within a company. At the end of the course, a student should be able to prepare financial statements for a small company.

### **112 Cost Accounting**

Presents the processes by which a company determines the cost of a product or service and the various internal reporting mechanisms to allow management to make proper business decisions. The development of the various components leading to an operating plan for a company are presented. Additionally, common business decisions faced by a company are reviewed.

*Prerequisite: Economics 111*

### **121 Statistics**

The study of measures of central tendency, measures of variation, probability, estimation, hypothesis testing, chi-square, regression, and correlation. Applications to economics and business are made throughout the course.

### **141 Principles of Economics: Micro**

Examines the concept of the firm and the way it operates in the economy. Topics such as price determination, resource allocation, costs, and welfare are examined.

### **142 Principles of Economics: Macro**

Designed to give the student a basic understanding of the national economy through a study of economic theory. Topics include unemployment, inflation, economic growth, the business cycle, and government stabilization policy.

### **211-212 Intermediate Accounting I – II**

Designed to build on the knowledge obtained from Financial Accounting. Theory and concepts are integrated to give the student a working knowledge of current practices and policies in the accounting profession. Opinions and policies of leading professional and research organizations are discussed and applied to practical situations through the use of problems and exercises.

*Prerequisite: Economics 112 or permission of the instructor*

### **213 Federal Income Taxation I**

Federal Income Taxation for individuals is covered in this course. At the conclusion of this course, a student should be able to complete their own tax return as well as the tax return for a typical middle class home owning (or non home owning) family with children and investments. The earned income credit as well as the other primary refundable and non refundable credits is covered giving the student the ability to help low income individuals or families. The student should also be able to complete the basic tax return of a sole proprietorship and calculate the self employment tax at the conclusion of this course. Additionally, basic tax planning is reviewed to provide the opportunity to allow better financial decisions to be made. Non business majors are encouraged to take this course.

### **214 Federal Income Taxation II**

Federal taxation of corporations, partnerships and Subchapter S corporations are covered in this course and basic tax returns will be

prepared for each entity. Additionally, business depreciation is covered and the basic tax planning concepts for a business are reviewed.

*Prerequisite: Economics 213*

### **215 Accounting Information Systems**

Examines typical business processes, including Sales/Accounts Receivable/Collections and Purchases/Accounts Payable/Payment. Objectives and procedures of internal control, business documents and reports as well as proper system documentation through flow-charts and other techniques will be examined. Hands-on experience will provide exposure to a Computer Based Accounting Information System. Requires computer work in class. If the class is not scheduled to meet in a computer lab, students will be expected to bring a laptop or other computer that can run Excel and download software intended for use in a PC.

*Prerequisite: Economics 111*

### **221 Human Resource Management**

Provides an introduction to the theory and practice of human resource management in a business setting. Topics include legal issues in employment, job analysis, recruitment and selection, performance appraisal, and compensation.

### **222 Women and Men in Business**

This course focuses on gender issues that arise in the workplace, or in relation to work. Topics covered include occupational segregation, gender stereotypes, sexual harassment, pay equity and comparable worth, and gender differences in communication and decision-making.

### **223 Organizational Behavior**

This is a theory oriented course that addresses understanding organizational behavior on three levels: individual, group and macro (organizations or departments). Cases are used to illustrate dilemmas confronted by managers, and there is an emphasis on applying theory to understand and solve organizational problems.

### **224 Management Science**

Focuses on the diverse activities required to conduct a business efficiently and effectively. Quantitative techniques used to enhance economic performance are emphasized.

*Prerequisite: A course in statistics.*

### **231 Principles of Marketing**

Introduction to the role of marketing within an organization. Topics include identifying and defining markets, basic elements of marketing programs, building customer relationships, and the effect of environmental factors on marketing. Marketing applications in domestic and international, profit and not-for-profit, industrial and consumer markets, small and large organizations, and physical goods and services contexts will be included.

*Prerequisite: Sophomore standing*

### **232 Integrated Marketing Communications**

Investigation of the methods used by organizations to create dialogue with various constituencies to create long-term, mutually beneficial relationships. Emphasizes maximizing communication impact in an ethical, socially responsible fashion by conveying consistent reinforcing messages using combinations of one- and two-way methods of communication.

### **233 Consumer Behavior**

Examines how/why consumers acquire, use, and dispose of goods and services and the implications of these behaviors for marketing. The course is built on a conceptual foundation of cognitive psychology, learning theory, sociology, literary criticism, communication, and cultural anthropology.

### **241 Intermediate Macroeconomic Analysis**

Presents a theoretical and empirical analysis of aggregate income, employment, growth and fluctuations. The classical, Keynesian and New Keynesian models of aggregate economic theory and activity are analyzed. The instruments of macroeconomic policy and their effect on the economy are also discussed.

*Prerequisite: Economics 142*

### **242 Intermediate Microeconomic Analysis**

This course presents the economic theory of demand, production and supply for different markets, in partial and general equilibrium. Economic models of consumer and business behavior are developed. Various current business strategies and government policies are then examined as applications of these models.

*Prerequisite: Economics 141*

### **243 Money and Banking**

This course examines the financial system by exploring the function of banks and other financial institutions in the determination of money in the economy. Particular attention is paid to the behavior of interest rates, government regulation of the financial system, and the conduct of monetary policy.

*Prerequisite: Economics 142*

### **244 Economics of Industrial Organization**

This course provides an economic analysis of US industries by examining their market structures, conduct and performance. Various business strategies available within oligopoly and monopoly markets are evaluated within a framework of two competing schools of thought. Public policy regarding monopoly and oligopoly is examined through several case studies.

*Prerequisite: Economics 141*

### **245 Labor Economics**

This course adds to students' knowledge of principles of microeconomic theory and applies this theory to labor markets. A significant part of the

course will be spent analyzing public policy issues regarding the workplace. Examples of topics covered are: the decision to work; the firm's mix of workers and hours; the minimum wage; discrimination; education and training decisions; labor unions; immigration; and unemployment.

*Prerequisite: Economics 141*

### **247 International Economics**

Studies the theoretical and policy determinations of international trade flows, balance of payments, exchange rate adjustments and capital flows. Examines the institutional structures which integrate and accommodate trade and payment flows in world economy.

*Prerequisite: Economics 141, 142*

### **250 Environmental Economics**

Microeconomics is applied to problems of the environment. The impact of incentives, externalities, public good and property rights on pollution are studied. Cost-benefit analysis is applied to real world problems in cases where the benefits and/or costs may be very difficult to measure. Current environmental laws and policies in the US are examined along with their effects. Global issues are discussed, including climate change and the tension between development and the environment in developing countries.

*Prerequisite: Economics 141*

### **261 Financial Management**

An analysis of the financial decision-making processes of the firm. Topics include the time value of money, risk return analysis, cash flow analysis, investment decision-making, the cost of capital, optimum capital structure, and dividend theory. Requires computer work in class. If the class is not scheduled to meet in a computer lab, students will be expected to bring a laptop or other computer that can run Excel.

*Prerequisites: Economics 111, 121*

### **262 Investments**

Introduction to various types of securities from the viewpoint of the investor, including the investment process, sources of information, and investment strategies.

*Prerequisite: Economics 111*

### **311 Advanced Accounting**

This course reviews accounting for higher level accounting issues such as purchases of a business and business consolidations. Accounting for international operations is reviewed as well as partnership accounting. Recent developments in reporting issues, including convergence of Generally Accepted Accounting Principles and International Financial Reporting Standards will be covered.

*Prerequisite: EC211, 212*

### **313 Auditing**

Auditing introduces the student to the role of the auditor in a specialized area of accounting known as “auditing.” During the semester, auditing philosophy and theory related to the examination of financial statements and internal control are studied. Auditing standards, objectives, and procedures developed by the accounting profession, as well as the legal and ethical responsibilities of the independent auditor, are discussed.

*Prerequisite: EC212 or Instructors permission*

### **321 Business Law**

The law applicable to everyday business transactions, including contracts, agency, sales, partnerships, corporations, and negotiable instruments.

### **322 International Business Management**

The objective of the course is to familiarize students with the issues and the environment that impact the international operations of multi-national firms. The emphasis will be on the managerial viewpoint rather than that of the social science approach.

### **323 Seminar in Business**

This is a course in strategic management, which integrates students' understanding of a number of business disciplines. A computer simulation allows real time decision making in product development, marketing, production and finance. Students work in teams to achieve competitive advantage for their “companies”. . Requires computer work in class. If the class is not scheduled to meet in a computer lab, students will be expected to bring a laptop or other computer that can run Excel.

### **331 Marketing Management**

This course builds on Principles of Marketing to develop decision making skills through case studies of actual marketing problems. Both qualitative and quantitative analyses will be used to determine the financial, organizational, competitive, and strategic impact of marketing decisions. Problems related to various marketing mix components, types of organizations, and types of products will be included. Students are encouraged to complete EC261 (Financial Management) before registering for this course but EC261 is not a formal pre-requisite for EC331.

*Prerequisites: Economics 231, Economics 261*

### **332 Marketing Research**

Introduction to the marketing research process, research design, and methods used to obtain, analyze, and interpret information needed for making marketing decisions. Class projects will provide experience in sampling, methods for collecting and analyzing data (including Internet techniques), and evaluating/reporting findings.

*Prerequisites: Economics 121, Economics 231*

**333 International Marketing**

International Marketing studies how companies attempt to internationalize their operations, providing an analytic framework for the development and implementation of global marketing programs. The course will examine key management decisions connected with the global marketing process, including: whether to internationalize; which markets to enter; how to enter the foreign market; how to design the global marketing program; and how to implement and control the marketing program. The course will combine class discussion, practical problem solving, and case analysis.

*Prerequisite: Economics 231*

**341 Seminar in Economics**

Current topics in the field of economics are discussed using the case-study approach.

*Prerequisite: Permission of the instructor.*

**342 Econometrics**

Introduction to the field of econometrics as a means of testing economic theories and providing quantitative estimates of the magnitudes of relationships among variables. Emphasis is on regression analysis using Ordinary Least Squares and other techniques when OLS cannot be used.

*Prerequisite: Economics 121, 141, 142*

**344 Sports Economics**

Applies economic tools to study the field of sports. Topics include the organization of sports leagues, profit maximization, the application of antitrust to sports, competitive balance, labor relations, gender and racial discrimination, and the economic impact of sports on cities and states.

*Prerequisite: Economics 141*

**345 Economics of the Great Depression**

Gives the students a background to understand the Great Depression. Explains what actually happened vs. the conflicting narratives presented by modern competing economic theories.

*Prerequisite: permission of the instructor*

**361 Financial Management II**

An expansion of the topics covered in Financial Management. In addition to treating the concepts of cost of capital, optimum capital structure and capital budgeting, the topics of convertible securities, leasing, mergers, and reorganizations are considered. Requires computer work in class. If the class is not scheduled to meet in a computer lab, students will be expected to bring a laptop or other computer that can run Excel.

*Prerequisite: Economics 261*

### **362 Portfolio Analysis**

An expansion of the topic covered in Investments. Topics covered include: valuation principles, analysis and management of bonds, analysis of stocks, and portfolio theory. Requires computer work in class. If the class is not scheduled to meet in a computer lab, students will be expected to bring a laptop or other computer that can run Excel.

*Prerequisite: Economics 262*

### **363 International Financial Management**

This course introduces the student to the theory of International Financial Management. Topics covered include: international monetary relationships and balance of payments, hedging and options, international capital budgeting and foreign investing, and international capital markets.

*Prerequisites: Economics 112, 141, 142, 261*

### **364 Investment Theories and Practices**

This course provides a rigorous treatment of numerous theories and best practices for investment management. More specifically, this course discusses the three main theories of investment management to include: (a) fundamental investment analysis, (b) technical investment analysis, and (c) efficient market investment theory. Further, a significant portion of the course focuses on the ethics of money management.

*Prerequisite: Economics 261*

### **400 Independent Study**

#### **411 Special Topics: Accounting**

#### **421 Special Topics: Business**

Within a seminar format, an in-depth examination of an issue of current interest within the business environment. Topics will be selected by the department's faculty.

#### **441 Special Topics: Economics**

This course offers, in a seminar format, the careful examination of a current topic of interest in the field of Economics. The topic will vary across semesters, but may include areas in Micro and Macroeconomics as well as History of Economic Thought.

#### **461 Special Topics: Finance**

Within a seminar format, an in-depth examination of an issue of current interest within the finance environment. Topics will be selected by the department's faculty.

#### **481 Internship (one course)**

Students are placed in a field experience situation with professional organizations.

*Prerequisite: Permission of the coordinator.*

**485 Internship (two courses)**

Students are placed in a field experience situation with professional organizations.

*Prerequisite: Permission of the coordinator*

**486, 487, 488 Washington/New York Internship**

Students are placed in a field experience in Washington, D.C., or in New York City during the Summer term.

**487, 488, 489 Washington/New York Internship**

Students are placed in a field experience in Washington, D.C., or New York City during the Fall and Spring semesters.

**481 Internship (one course)**

Students are placed in a field experience situation with professional organizations through Saint Anselm College Economics and Business Internship Office located in The Center for Experiential Learning. Hours for internship are between 8-10 hours per week. .

*Prerequisite: Permission of the coordinator.*

**485 Internship (two courses)**

Students are placed in a field experience situation with professional organizations through Saint Anselm College Economics and Business Internship Office located in The Center for Experiential Learning. Hours for internship are between 18-20 hours per week.

*Prerequisite: Permission of the coordinator.*

**490 (four courses) Washington D.C. Internship Program**

Saint Anselm College maintains partnership agreements with The Washington Center and the Washington Internship Institute. Students are placed in a field experience in Washington for the semester. Washington D.C. internships are open to all majors and are administered by The Center for Experiential Learning. Hours for internship are between 35-40 hours per week. Distance learning technology is utilized for the review and submission of all assignments

*Prerequisite: Permission of the coordinator.*

**500 (four courses) New York City Internship Program**

Students are placed in a field experience in New York City for the semester. New York City internships are open to all majors and are administered by The Center for Experiential Learning. Hours for internship are between 35-40 hours per week. Distance learning technology is utilized for the review and submission of all assignments.

*Prerequisite: Permission of the coordinator.*

**501 (four courses) San Francisco Internship Program**

Students are placed in a field experience in San Francisco, California for the semester. S.F. internships are open to all majors and are administered by The Center for Experiential Learning. Hours for internship are between 35-40 hours per week. Distance learning technology is utilized for the review and submission of all assignments.

*Prerequisite: Permission of the coordinator.*

**502 (four courses) Toronto, Canada Internship Program**

Students are placed in a field experience in Toronto, Canada for the semester. Toronto internships are open to all majors and are administered by The Center for Experiential Learning. Hours for internship are between 35-40 hours per week. Distance learning technology is utilized for the review and submission of all assignments.

*Prerequisite: Permission of the coordinator.*

**503 (four courses) Singapore Internship Program**

Students are placed in a field experience in Toronto for the semester. Singapore internships are open to all majors and are administered by The Center for Experiential Learning. Hours for internship are between 35-40 hours per week. Distance learning technology is utilized for the review and submission of all assignments.

*Prerequisite: Permission of the coordinator.*

**600 (four courses) Disney College Program (multiple locations offered)**

Students are placed in a field experience with the Disney College Program for the semester. Disney internships are open to all majors and are administered by The Center for Experiential Learning. Hours for internship are between 35-40 hours per week. Distance learning technology is utilized for the review and submission of all assignments.

*Prerequisite: Permission of the coordinator.*

## EDUCATION

### **Chairperson and Director: Laura M. Wasielewski**

Coordinator of Clinical Practice: Dianna Gahlsdorf Terrell; Assistant Professors: Kelly E. Demers, Dianna Gahlsdorf Terrell, Laura M. Wasielewski; Instructor: Kristine Allen; Lecturers: James Elefante, Robert Evans, Terri Henning, Frank Hoell, Lisa LaSalle, Victoria Stickney.

### **General Information**

The preparation of educators has played an important role in the mission of Saint Anselm College since 1920. The Department offers a state-approved teacher education program leading to initial licensure in Elementary K-6; ESOL (Teaching English Speakers of Other Languages) K-12; or Secondary. Secondary certifications include the following content areas: Mathematics (grades 7-12), Chemistry (grades 7-12), Applied Physics (grades 7-12), English Language Arts (grades 5-12), Social Studies (grades 5-12), Spanish (grades K-12), French (grades K-12), and Latin (grades K-12).

New Hampshire has reciprocity agreements with approximately 40 other states, and certification eligibility is extended to a considerably larger geographical area. It is an individual's responsibility to contact the state of choice in order to obtain licensing requirements and guidelines in other states. It is advised that the state of interest be contacted to confirm specific requirements that may differ from those within New Hampshire such as grade point averages, testing requirements, and professional experience.

The Teacher Education Program offered at Saint Anselm College is designed to integrate liberal arts general education, specialized content major and teacher education requirements. Our programs emphasize a strong theoretical base and practical experience. Its strengths lie in the use of reflective practice; electronic portfolios to demonstrate state competencies; multiple opportunities for teaching in diverse classrooms; and extensive content knowledge.

### **Philosophy and Mission**

The mission of the Teacher Education Programs is to prepare educators who thrive as leaders in the 21<sup>st</sup> Century Learning Environment. The Department believes that teaching is an intellectual and professional endeavor grounded in the strength and excellence of our liberal arts curriculum. Our comprehensive programs allow our students the necessary theory and practice to form their work in regard to the ethical, moral, political and social realities that shape education.

### **Program Goals**

The Teacher Education Programs at Saint Anselm College will:

1. produce effective 21<sup>st</sup> century teachers who embrace Life and Career Skills, Learning and Innovation Skills, and Information, Media, and Technology Skills.
2. foster students' knowledge in all areas of competence, content knowledge pedagogy, and reflective practice.
3. continue to enhance our partnerships with our local K-12 schools.

**Student Expenses:**

Expenses for students in the Teacher Education Program are the same as for other students enrolled in the College with the following additional charges subject to adjustment: 1) PRAXIS exams approximately \$300; 2) Task Stream web-based portfolio subscription \$69 for 2 years; 3) criminal records checks approximately \$25; 4) three education courses (ED 375, ED 350, and ED 432) each incur a \$25.00 lab fee.

**Transportation:**

Students are responsible for providing or arranging for their own transportation to and from the schools to which they are assigned during all practicum experiences.

**Content and Major Requirements**

All students choosing to pursue teacher licensure must complete the college's general education requirements as well as the individual department requirements for all majors.

**Requirements for Licensure:**

PRAXIS Exams (or individual state equivalent):

To obtain licensure in New Hampshire students must successfully complete the PRAXIS exams. It is the students' responsibility to arrange for the PRAXIS exams (forms/information available outside Education Department). Students are responsible for registering for the PRAXIS I: Pre-Professional Skills Test (PPST) and PRAXIS II: Subject Assessments PRAXIS I is completed during the sophomore year. PRAXIS II is completed during the semester prior to student teaching. Please see the Teacher Education Handbook for details. It is the students' responsibility to find out which tests and subtests are required by the state in which they anticipate seeking licensure.

**Criminal Records Checks:**

The Education Department at Saint Anselm College stresses the importance of strong ethical and moral conduct of those who will be teaching and influencing the lives of young people. The State of New Hampshire requires a criminal records check. All students participating in Field Experiences through the Education Department are required to be fingerprinted and have a background check prior to their first field placement embedded in ED 130 (Sophomore Early Field Experience). Returned background checks will be filed in the Education Department and should suffice for the students' remaining field experiences throughout the program. However, if a student takes courses out of order or requests a field placement outside of Saint Anselm College's partnering school network, additional background checks may be required. Please direct questions about fingerprinting and background checks to the Coordinator of Clinical Practice.

**Teacher Education Program Procedures****Advisement:**

The primary advisor for all students is a member of the content/major department faculty. Elementary Education majors are assigned an advisor

from the Education Department. When students identify themselves as pursuing licensure in secondary education, they are asked to submit a Declaration of Minor form to the Director of Teacher Education. The Director will assign an advisor for the minor to complete their plan of study and SEFE application. From this point until completion of student teaching, students meet with their advisor in the minor a minimum of once a semester to insure they are taking appropriate courses and fulfilling other experience requirements. The content/major department remains the primary advisor for these students.

**Application to Teacher Education:**

Upon successful completion of the SEFE requirement, formal application is made to enter the Teacher Education Program (TEP). Forms and directives are available from the Education Department. Applicants may be accepted, accepted conditionally or not accepted. Reason for conditional acceptance or for non-acceptance will be given. The student may appeal a non-acceptance to the Dean within ten days and present further evidence of qualifications. Please see the TEP Handbook for details of candidate assessment.

**Application to Student Teaching:**

ED432: Supervised Student Teaching is a capstone experience which takes place during the fall semester (Elementary Education Studies) or spring semester (Secondary minor) of the senior year. Additional courses: ED430 and/or a Methods of Teaching course complete the course load for the semester depending upon the major. Application should be made during the students' sixth/seventh semester (Forms and directives may be obtained from the Education Department.) To be considered for student teaching, the applicant must complete 1/3 of the electronic portfolio and submit the application form and recommendations from professors who will attest to the students' competency in basic skills, subject major content, leadership skills, and general fitness including professional behavior as an educator.

An overall cumulative grade point average of 2.5 will be required by the end of the sixth semester (elementary) or seventh semester (secondary) in order to student teach. A sophomore or junior student who has not quite reached the required grade point level is considered conditionally accepted and is permitted to remain in the program to work toward the academic averages.

The decision to permit or not permit supervised student teaching is made by the Director of Teacher Education. Those students not accepted will be informed as early as possible. If the application is not approved and the student wishes to appeal this decision, this appeal must be directed to the Dean's office as soon as possible to allow necessary time for the appeal process and appropriate registration of the student for second semester.

**Placement and Orientation to Student Teaching:**

Applicants for student teaching will be given a tentative placement in a cooperating school the semester prior to student teaching. Consideration

is given to the requests of the student whenever such placement is feasible and can be properly supervised by the college. Generally, no student is assigned to a school from which he/she has graduated or where a relative or family member is employed. In order to facilitate supervision from the campus, an effort is made to group student teachers within a geographical area. Students will complete comprehensive orientation activities the semester prior to student teaching during a Bridge Experience. All student teachers strictly adhere to the schedule of the assigned cooperating school. Secondary Education minors take the February vacation week as their spring vacation. During the SAC spring break students are teaching in the schools.

**Student Teaching Assessment:**

The Student Teaching Manual outlines the assessment and evaluation process. Please refer to the Student Teaching Manual.

**MAJOR:****ELEMENTARY MAJOR AND CERTIFICATION (K-6)**

Elementary teacher candidates major in Education Studies: Elementary Education. These candidates will be eligible for K-6 certification. Candidates must successfully pass Praxis I and Praxis II (elementary). Candidates will complete a field experience in one of each of the following grade groupings: (K-2), (3-4), and (5-6).

Students considering studying abroad, which is not required for the Elementary Education major, must decide by the end of the fall sophomore year. It is critical for planning purposes.

Students will complete core and major requirements. There are five clinical or field-based experiences that are embedded in each of the following courses offered by the department: ED130 Principles of Teaching and Learning, SEFE (Sophomore Early Field Experience), 30 hours; ED322 Inclusion, Equity, and Diversity in Education, 20 hours; ED375 Theory, Practice, & Methods of Elementary Reading, 20 hours; ED430 Methods of Teaching Reading and Math, Bridge Experience, 10 hours; and ED 432 Supervised Student Teaching, 15 weeks. Each placement will be in a school with an experienced licensed elementary teacher. It is highly recommended that a variety of sites are used: parochial, urban, and suburban.

The Education Department does not allow service learning hours to count for more than one course at a time. Therefore, Education students are able to take one service learning or field placement course per semester.

**Freshman Year****FALL**

HU101

EN103

CH100

Language

PY202 or MA

**SPRING**

HU102

EN104

CH101

Language

ED Children's Literature or EN  
Literature

### Sophomore Year

#### FALL

HU201  
 PH105  
 Language  
 ED Integrated Technology or  
 Technology Elective  
 (CS 101, 205; FAS 272, 378)  
 ED130 Principles of Teaching &  
 Learning (30 hrs.)

#### SPRING

HU202  
 TH100  
 Language  
 ED322 Inclusion, Equity &  
 Diversity in Education  
 (20 hrs.)  
 MA (110, 130, 150, 170) or  
 PY202

### Junior Year

#### FALL

Elective  
 ED340 Curriculum &  
 Assessment in Teaching  
 EN355  
 HI101  
 ED375 Theory & Methods of  
 Teaching Reading

#### SPRING

Elective  
 PH107  
 TH Elective  
 HI199  
 ED380 Theory & Methods of  
 Teaching Elementary Math

### Senior Year

#### FALL

ED430 Fundamentals of Teaching  
 Reading & Math (10 hrs.)  
 ED450 Methods of Teaching  
 Elementary Social Studies  
 and Science  
 ED432 Supervised Student  
 Teaching (counts at 3 courses)  
 (15 weeks)

#### SPRING

Elective  
 Elective  
 ED Integrating Art into  
 Teaching or Music/Art  
 Elective  
 PH Elective  
 TH Elective

### MINORS:

#### ESOL MINOR AND CERTIFICATION (K-12)

##### (History, English, French, Latin, or Spanish Major)

ESOL candidates may major in History, English, Spanish, French, or Latin and minor in ESOL. ESOL candidates will have coursework and clinical experiences which emphasize elementary and secondary education. There are five clinical or field-based experiences embedded in the following courses: A selected required core course with a service learning component to be completed at the ENA (English for New Americans Program); ED130 Principles of Teaching and Learning, 30 hours; ED322 Inclusion, Equity, and Diversity in Education, 20 hours; ED432 Bridge Experience, 10 hours semester prior to and Supervised Student Teaching for 13 weeks. One placement will occur in an elementary, middle, and high school. Each

placement will be in a school with an experienced ESOL certified teacher. It is highly recommended that a variety of sites are used: parochial, urban, and suburban.

Students considering studying abroad, must decide by the end of the fall sophomore year. It is critical for planning purposes.

The Education Department does not allow service learning hours to count for more than one course at a time. Therefore, Education students are able to take one service learning or field placement course per semester.

### **Sequence of Courses:**

The preferred sequence is designed for the student who makes an early decision to enter one of the Teacher Education Programs. Upon completion of a Declaration of Minor Form, the Director of Teacher Education will assign an advisor for the minor. An individualized plan of study is developed by the Education Department Advisor with each student. Variation will depend upon when students apply and the area of certification. Please refer to core and major requirements section of the catalog. It is not unusual that most of the students' electives must be utilized. For this reason early career decision and careful program planning are essential.

### **Sophomore Year:**

ED130 Principles of Teaching and Learning which includes at 30 hour clinical experience (SEFE).

ED322 Inclusion, Equity, and Diversity in Education, with 20 hr. service learning/clinical experience

PY202 Child Psychology OR PY203 Adolescent Psychology

Core requirement with 20 hours service learning at English for New Americans or study abroad

At completion of ED130, purchase TaskStream, apply to Teacher Education Program, take PRAXIS I/MTEL/other initial licensure testing

### **Junior Year – fall**

EN355 Introduction to Linguistics

ED360 Language, Literacy and Assessment Across the Curriculum

### **Junior Year – spring**

ED340 Curriculum, Assessment, and Teaching (spring)

ED361 Theoretical Perspectives on ESOL (spring)

Bridge Experience (6 visits/10 hours, ESOL with Elementary Education concentration only)

Apply to Student Teaching

### **Senior Year – fall:**

Complete all core and major courses

PRAXIS II/MTEL/Other in ESOL and content area

Student teaching orientation meetings (2)

Bridge Experiences (6 visits/10 hours, ESOL with Secondary Education concentration only)

ED432 Supervised Student Teaching (ESOL with Elementary Education concentration only)

**Senior Year – spring:**

ED446 Methods of Teaching ESOL

ED432 Supervised Student Teaching (ESOL with Secondary Education concentration only)

**SECONDARY MINOR AND CERTIFICATION**

The experiences and courses offered in teacher education will introduce students to the profession of teaching and help them acquire a level of competency necessary for certification. Certification in New Hampshire qualifies the student to teach in a specific content. Prospective secondary teachers may major in any of the following: Chemistry, Applied Physics, English, French, History, Latin, Mathematics, or Spanish and minor in secondary education. Emphasis in coursework is placed on middle and secondary education. There are four clinical or field-based experiences embedded in the following courses: ED130 Principles of Teaching and Learning, 30 hours; ED322 Inclusion, Equity, and Diversity in Education, 20 hours; and ED432 Bridge Experience, 10 hours the semester prior to and Supervised Student Teaching for 13 weeks. Each placement will be in a school with an experienced certified secondary teacher matching their content area. It is highly recommended that a variety of sites are used: parochial, urban, and suburban. It is not unusual that most of the students' electives must be utilized. For this reason early career decision and careful program planning are essential.

The Education Department does not allow service learning hours to count for more than one course at a time. Therefore, Education students are able to take one service learning or field placement course per semester.

**Sequence of Courses:**

The preferred sequence is designed for the student who makes an early decision to enter one of the Teacher Education Programs. Upon completion of a Declaration of Minor Form, the Director of Teacher Education will assign an advisor for the minor. An individualized plan of study is developed by the Education Department Advisor with each student. Variation will depend upon when students apply and the area of certification. Please refer to core and major requirements section of the catalog.

**Sophomore Year:**

ED130 Principles of Teaching and Learning (fall or spring) which includes at 30 hour practicum (SEFE).

PY203 Adolescent Psychology (fall or spring)

At completion of ED130, purchase TaskStream, apply to Teacher Education Program, take PRAXIS I/MTEL/other initial licensure testing

**Junior Year:**

ED322 Inclusion, Equity, and Diversity in Education, with 20 hr. service learning/practicum (fall)

ED340 Curriculum, Assessment, and Teaching (spring)

Apply to Student Teaching

**Senior Year – fall:**

Complete all core and major courses

PRAXIS II/MTEL/Other in content area

Student teaching orientation meetings (2)

Bridge Experiences (6)

**Senior Year – spring:**

ED432 Supervised Student Teaching (13 weeks)

ED440-445 Methods of Teaching in content Area specific to the major

**Chemistry**

Students should bear in mind that most chemistry courses have prerequisites. Consequently prospective teachers schedule their calculus and physics courses to be completed by the end of their sophomore year. This action will enable the students to complete the chemistry major and allow for student teaching during the second semester of senior year. In CH420 the student will plan a research project in chemical education. The project will be implemented in ED432. CH420 Research & Seminar I carries no credit. ED432 fulfills the CH421 requirement for chemistry in the educational track, provided the student fulfills the thesis presentation requirements of CH421.

**English Language Arts (English Major)**

Students are required to take EN221 Public Speaking OR EN222 Oral Interpretation as well as EN355 Introduction to General Linguistics; EN251 Shakespeare and CL222 or CL223 Classical Mythology are recommended electives.

**Classical Languages (Latin)**

Students are required to take CL321-322: Latin Prose Composition I/II; CL258: Etymologies: Words and Word Power; HI312: Ancient Rome; Prerequisites: CL103-104: Elementary Latin and CL205-206: Intermediate Latin.

**Mathematics**

Students are suggested to take MA360 Modern Geometry as well as CS115 Discrete Math or MA390 Combinatorics. Prospective teachers must also either take a computer-programming course or complete a senior project.

**Modern Languages (Spanish and French)**

Students are required to successfully complete a study abroad or immersion program for at least one semester (or equivalent summer program) in

order to receive a teaching license. The purpose is to develop linguistic competency and further appreciate the culture. If this is not a viable option, an immersion experience in the target language is required. Information on study abroad opportunities and/or immersion programs is available in the Department of Modern Languages.

### **Applied Physics**

Students are required to meet with the Physics Chairperson to select appropriate courses to meet competencies for Physics and Teacher Education. Students are required to take PS241 Statics and PS245 Electrical Circuits. Students select two additional technical electives.

### **Social Studies (History Major)**

To comply with the State's requirements, prospective social studies teachers must be able to show competence in both history and social studies more broadly (including geography, civics, economics, anthropology and sociology). In order to achieve that breadth, students are encouraged to take the U.S. history survey (HI250-251), Origins of European Civ (HI101), or World HI story (HI105). Courses on the relationship of humans and their environment have also been helpful (HI 358: New England History of HI374: Environmental History), as has Cities and Social Change (HI107). It has been helpful to students in the past to use their elective options to take an American government course (PO102, PO212, or PO219), a basic economics course (EC103, EC141-142), or a basic sociology course (SO101). Students should discuss major, core and elective courses with their major advisor to assure that all courses will fulfill requirements.

## **EDUCATION MINOR WITHOUT CERTIFICATION**

The Non-Licensure Education minor is designed for students who are majoring in a complementary or contrasting program of study. This Education minor does not lead to teacher licensure.

### **Required Courses:**

ED130: Principles of Teaching and Learning (30 hrs.)

ED322: Inclusion, Equity and Diversity in Education (20 hrs. service learning)

ED350: ST: Sociocultural Perspectives in Public Schools (20 hrs. service learning)

ED480: Internship in Education

### **And one elective from the following courses:**

ED340: Curriculum and Assessment in Teaching

ED375: Theory and Methods of Teaching Reading

ED380: Theory and Methods of Teaching Elementary Math

ED360: Language, Literacy and Assessment Across the Curriculum

ED361: Theoretical Perspectives on ESOL

ED ST: Education Department Special Topics – Children’s Literature, Integrating Arts into Teaching, or Integrating Technology into Teaching

**Course Offerings:**

**130 Principles of Teaching and Learning**

This course outlines the historical, economic, and social foundations of American education. It identifies current issues in education and explores recent efforts in school reform. The course introduces students to learning theories, classroom management, lesson plan development, assessment, and different philosophies of K-12 education. It is required of all students in one of the Teacher Education Programs (formerly Introduction to American Education). Sophomore Early Field Experience (SEFE) is a required 30 hour clinical experience embedded in this course.

**315 Human Growth and Development**

This course provides a survey of human development through the lifespan. Various theoretical perspectives on development will be explored. Students will be required to explore how theories and concepts can be applied through direct observations, projects and research.

**322 Inclusion, Equity, and Diversity in Education**

This course provides an overview of the characteristics of individuals with disabilities. Emphasis concentrates on different learning styles as well as differentiated instruction. Topics include a history of special education, federal and state regulations, classroom management, inclusive education, response to intervention and other current issues which impact teaching and learning. It is required of all students in one of the Teacher Education Programs. A required 20 hour service learning practicum is embedded in this course.

*Prerequisite: ED130*

**340 Curriculum and Assessment in Teaching**

Various theoretical approaches to instruction and assessment will be explored. Curriculum development will focus on the types of instruction provided and the goals of instruction. Assessment methods will include classroom assessment and standardized assessments for K-12. Students will develop and share a variety of assessment tools and formats for classroom use. Students will become aware of the wider scope of assessment issues beyond the classroom including national, state, and local initiatives. Students will understand the impact of these assessments on the teaching and learning process. It is a required course of all students in one of the Teacher Education Programs.

*Prerequisites: ED130 and ED322*

**350 Special Topics**

**360 Language, Literacy and Assessment Across the Curriculum**

This course examines the major principles, theories, and research of first and second language acquisition (SLA). Emphasis will be placed on application of cultural influences on language learning, school achievement, and social adjustment. Various theoretical approaches to instruction and assessment in second language acquisition will be explored. Curriculum development will focus on the types of instruction provided and the goals of instruction. Assessment methods will include classroom assessment, standardized assessment, authentic and alternative forms of assessment for ELL.

*Prerequisites: ED130, EN355, ED315 or PY202*

**361 Theoretical Perspectives on ESOL**

The purpose of this course is to provide education students with an understanding of the various theoretical frameworks used to understand how ESOL students acquire a second language. Particular focus will be paid to behaviorist, Innatist, cognitivist, and interactionist theories. Students will also explore ways of linking these theories to effective classroom practices.

*Prerequisites: ED130, EN355, ED315 or PY202*

**375 Theory and Methods of Teaching Elementary Reading**

Reading methods introduces knowledge and strategies for teaching reading and language arts at the elementary level. Students learn about instructional strategies, developing a classroom context for literacy, and the relationship between reading and assessment. Topics include guided reading, literature circles, emergent literacy, comprehension, phonics, language conventions, and children's literature. A required 20 hour clinical experience at a lab school is an integral part of this course.

*Prerequisites: ED130 and ED340*

**380 Theory and Methods of Teaching Elementary Mathematics**

Mathematics methods explores the nature of learning and teaching mathematics with an emphasis on developing student understanding through active involvement. Using experiences with a variety of instructional materials, classroom activities with children, and diverse teaching strategies, students develop an understanding of mathematical concepts and procedures. Prerequisites: ED130 and ED340 or students may obtain permission from the instructor.

*Prerequisites: ED130 and ED340*

**430 Methods of Teaching Elementary Reading and Mathematics**

This course examines the role of teacher as decision maker, introduces students to strategies to enhance learning in the various content areas, and explores characteristics of an effective teacher such as reflective practice, classroom management, etc. Current issues and trends including a standards-based curriculum in elementary reading and mathematics instruction will be explored. Prerequisites include completion of all content requirements, core college requirements, Teacher Education certification

requirements, and a minimum cumulative grade point average of 2.50. It is expected that this course will be taken concurrently with ED432 and ED450. It is only open to seniors pursuing elementary certification

*Prerequisites: ED130, ED315, ED322, ED340, ED375, ED380*

### **431 Fundamentals of Teaching (Secondary)**

This is a year-long senior seminar which examines the role of teacher as decision maker, introduces students to strategies to enhance learning in the various content areas, and explores characteristics of an effective teacher such as reflective practice, classroom management, etc. Prerequisites include completion of all content requirements, core college requirements, Teacher Education certification requirements, and a minimum cumulative grade point average of 2.50.

### **432 Supervised Student Teaching**

Supervised Student Teaching is a capstone experience. This course is a full-time teaching/ clinical experience (for a minimum of 13 weeks) in a local elementary, intermediate, middle, or high school. The primary focus is a gradual introduction to teaching through a progression of experiences from observation, to participation, to teaching. Student teaching is designed to apply theories, pedagogy, and critical thinking skills. Prerequisites include completion of all content requirements, teacher education certification requirements, and a minimum cumulative grade point average of 2.50. It is expected that this course will be taken concurrently with a Methods course. It is only open to seniors pursuing certification.

*Prerequisites: ED130, ED315, ED322, ED340*

### **440-445 Methods of Teaching Secondary Content**

This course emphasizes best practices of teaching content at the middle and high school levels. It is expected that this course will be taken concurrently with ED431 and ED432. It is only open to seniors pursuing secondary certification. Depending upon their content major, a student may select from the following offerings:

#### **440 English**

#### **441 Modern Languages**

#### **442 Science**

#### **443 Social Studies**

#### **444 Mathematics**

#### **445 Latin**

*Prerequisites: ED130, PY203 or ED315, ED322 and ED340.*

#### **446 Methods of Teaching ESOL (English Speakers of Other Languages)**

This course emphasizes best practices of teaching English Language Learners at the elementary, middle, and high school levels. It is expected that this course will be taken concurrently with ED432. It is only open to seniors pursuing ESOL K-12 certification.

*Prerequisites: ED130; PY202, PY203, or ED315; ED322, ED340, EN355, ED360, and ED361.*

#### **450 Methods of Teaching Elementary Social Studies and Science**

Methods of Teaching Elementary Social Studies and Science provides an integrative approach to ensure teachers a broad knowledge base when they enter the classroom. It is expected that this course will be taken concurrently with 430 and 432. It is only open to seniors pursuing elementary certification K-6.

*Prerequisites: ED130, PY202 or ED315, ED322, ED340, ED375 and ED380.*

#### **480 Internship in Education**

Typically students who have not met criteria to student teach take Internship in Education. The purpose of the internship is to connect theory and practice in a supervised educational setting. It is open to seniors and may be repeated. This course is required for minors without certification.

*Prerequisites: ED130, ED315, ED322, ED340, ED350*

## ENGLISH

### **Chairperson: Gary M. Bouchard**

Professors: Gary M. Bouchard, Meaghan B. Cronin, Edward J. Gleason, Elona K. Lucas, Landis K. Magnuson, Ann V. Norton; Associate Professors: Bindu M. Malieckal, Sherry R. Shepler, Jennifer J. Thorn; Assistant Professors: Rev. Jerome J. Day, O.S.B., Jonathan D. Lupo, Chani Marchiselli, Keith A. Williams; Lecturers: John Baker, Jason P. Bellipanni, Erin Brown, Jeanne M. Cavelos, Ann-Maria Contarino, Arthur R. Deleault, Jennifer DePino, Janet Lafleur, Tracy Michaels, Weston C. Miller, Jennifer L. Morton, Arlene Quaratiello, Madeline Sherlock.

The English Department claims a central place in Saint Anselm College's classic Benedictine liberal arts curriculum. It aims to teach students how to read critically and write effectively, how to appreciate the beauty and expressiveness of the English and American literary canon, and to understand the processes by which messages and meaning are constructed and transmitted.

Students pursuing the majors in the English Department should possess both theoretical knowledge and practical skills to enhance their careers and their intellectual lives. The theoretical knowledge may lay the foundation for teaching or graduate work. The practical ability to analyze or express ideas underlies many careers in industry and business and helps the student as well during a lifetime to understand personal aesthetic experience and to integrate it with philosophical and theological knowledge.

### **TWO MAJORS IN THE DEPARTMENT OF ENGLISH**

The English Department offers students the choice of two majors: English and Communication. Those pursuing the English major will complete a comprehensive study of literature, from medieval to modern. Students interested in Communication complete an interdisciplinary course of study including requirements in oral, written, and visual communication. In the senior year, students from both majors are required to complete a senior thesis in a particular area of the student's choice. A description of each major and a list of required courses follows.

#### **I. Major in English**

The English Department has a dual aim: to teach students how to read literature appreciatively and expertly, and to help them develop a mastery of written and oral expression. To accomplish the first aim, the department offers courses which require students to read widely—primarily in British and American literature—and courses which introduce students to literary theory and history. Together, both types of courses acquaint the student with the rich variety of literary works, their relationship to historical events and intellectual currents, and changing conceptions of literature. The department seeks to produce readers who can recognize literary excellence in ancient poetry or modern novels, and who can discern the humanistic values intrinsic to these works. To accomplish the second aim—skillful writing—the department offers a wide range of courses from basic

to advanced composition, journalism, and creative writing. Students are encouraged to develop clear, graceful, and effective prose.

Students majoring in English are required to take English: 106, 233, 234, 236, 237 or 238, 239 or 242, 241, and 475. Of the four remaining electives in English, at least two must be literature courses. Students pursuing teaching certification may take all four remaining electives in non-literature courses within the department as long as the courses pertain directly to a career in teaching, and they must take Introduction to General Linguistics (English 355) and either Public Speaking (English 221) or Oral Interpretation of Literature (English 222).

As requirements for graduation, English majors must write and defend a senior thesis (done within the Senior Seminar course) and take a written comprehensive examination that tests general literary knowledge.

Recommended Course Sequence for English Majors:

<b>Freshman Year</b>	<b>Fall</b> Humanities I Freshman English 103 Science Language English 106/Elective	<b>Spring</b> Humanities II Freshman English 104 Science Language English 106/Elective
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language English 236 Elective	Humanities IV Philosophy/Theology Language English 233 Elective
<b>Junior Year</b>	Philosophy/Theology English 237 or 238 English English/Elective Elective	Philosophy/Theology English 234 English 241 English Elective
<b>Senior Year</b>	Philosophy/Theology English 239 or 242 English 475 Elective Elective	Philosophy/Theology English English Elective Elective

## II. Major in Communication

Communication is fundamentally about message-sending and meaning-making. Students, therefore, will seek to understand the way in which both verbal and nonverbal symbols are used to shape the world. At its essence, the study of communication is anchored in language use and study; it is highly compatible with the literary emphases of the Department of English. While the field embraces technical and social science dimensions, its content is philosophically rooted in the humanities. While some courses

attend to the communication process, most focus on other dimensions of human activity and endeavor. A major would provide a comprehensive, grounded program for consistent study and research. Communication study, by its nature, is interdisciplinary and will enhance student ability to relate concepts and principles they encounter as they pursue the core curriculum and any electives they select.

**Course Requirements:** Students in the Communication major must take a minimum of 13 courses, as specified below.

**Foundational Courses.** Students must complete the courses listed below.

EN110 Introduction to Human Communication  
EN115 Introduction to Mediated Communication

**Oral Communication Requirement.** Students must complete one of the following classes related to oral communication.

EN221 Public Speaking  
EN222 Oral Interpretation  
EN261 Beginning Acting

**Written Communication Requirement.** Students must complete one of the following classes related to written communication.

EN207 Advanced Composition  
EN216 Principles and Practices of Journalism  
EN307 Special Topics in Writing (with advisor approval)

**Visual Communication Requirement.** Students must complete one of the following classes related to visual communication.

EN325 Special Topics in Communication: Media Criticism  
FAH260 The Cinematic Eye: A History of Film to 1945  
FAH262 Contemporary Film: 1945-Present  
FAS270 Visual Communication

**Textual Analysis Requirement.** Students must complete two of the following classes related to textual analysis.

EN240 Studies in Postmodern British Literature  
EN243 Studies in Postmodern American Literature  
EN245 Introduction to African-American Literature  
EN251 Shakespeare  
EN252 Milton  
EN255 Introduction to Postcolonial Literature  
EN345 Progress and Nostalgia: Mid-Victorian Britain in History and Literature  
EN363 Topics in the History of the Theatre

**Special Topics Classes:**

EN333 Medieval Literature  
EN334 Sixteenth Century  
EN335 Seventeenth Century

EN336 Eighteenth Century  
 EN337 Romantic Period  
 EN338 Victorian Period  
 EN339 Twentieth Century  
 EN340 Postmodern British Literature  
 EN341 Nineteenth-Century American Literature  
 EN342 Twentieth-Century American Literature  
 EN370 Irish Literature  
 EN373 Literary Genres

**Theory Requirement.** Students must complete one of the following classes related to the theories of communication.

EN210 Rhetorical Theory and Criticism  
 EN225 Communication Theory

**Elective Requirement.** Students must complete four of the courses listed below. No more than 2 from any single department recommended, though students may petition the Coordinator of the Communication program to allow electives not listed below or to exceed the 2 course maximum from a single department.

CS205 Fundamentals and Issues of Using the Internet  
 CS250 Human-Computer Interaction  
 EC223 Organizational Behavior  
 EC231 Principles of Marketing  
 EC232 Integrated Marketing Communication  
 EC233 Consumer Behavior  
 EN325 Special Topics in Communication  
 EN330 Political Communication  
 EN355 Introduction to General Linguistics  
 EN400 Independent Study  
 EN481-482 Internship  
 FAH101 Introduction to Art  
 FAH360 History of Photography  
 FAS272 Digital Art & Imaging I  
 FAS274 Graphic Design I  
 FAS376 Art and Design for the Web  
 FAS Special Topics: Illustration  
 FAS Special Topics: Mixed Media  
 FAS Special Topics: Typography  
 MU242 Studies in Film Music  
 PH214 Contemporary Philosophy  
 PH320 Critical Thinking  
 PH321 Formal Logic  
 PH336 Aesthetics  
 PO102 American Politics  
 PO104 Comparative Politics  
 PO106 International Relations  
 PO208 Elements of Political Theory Classical  
 PO209 Elements of Political Theory Modern

PO248 Public Policy Process  
 PO345 Public Administration  
 PY201 Organizational Psychology  
 PY209 Political Psychology  
 PY211 Cross Cultural Psychology  
 PY315 Social Psychology  
 SO206 Social Problems  
 SO218 Individual & Society  
 SO229 Mass Media  
 SO330 Race and Ethnic Relations  
 SO342 Social Stratification: Structures of Social Inequality  
 SO344 Political Sociology  
 TH372 Christian Social Ethics

**Capstone Requirement.** As a requirement for graduation, Communication majors must write and defend a senior thesis (done within the Senior Seminar course) and take a written comprehensive examination which tests aspects related to oral, written, verbal and visual communication, as well as communication theory. Students must successfully complete the Communication Senior Seminar.

EN470 Communication Senior Seminar

Recommended Course Sequence for Communication majors:

<b>Freshman Year</b>	<b>Fall</b>	<b>Spring</b>
	Humanities I Freshman English: EN103 Science Language EN110/EN115	Humanities II Freshman English: EN104 Science Language EN110/EN115
	<b>Sophomore Year</b>	
	Humanities III Philosophy/Theology Language Oral Comm./ Written Comm. Elective	Humanities IV Philosophy/Theology Language Oral Comm./ Written Comm. Elective
	<b>Junior Year</b>	
	Philosophy/Theology Theory/Textual Analysis Visual Comm./ Major Elective Major Elective/Elective Elective	Philosophy/Theology Theory/Textual Analysis Visual Comm./ Major Elective Major Elective/Elective Elective
	<b>Senior Year</b>	
	Philosophy/Theology EN470 Textual Analysis Major Elective Major Elective/Elective	Philosophy/Theology Major Elective Elective Elective Elective

## **ENGLISH MINOR**

The minor in English aims to help students read literature with greater expertise and appreciation and develop more fully their written and oral expression. Students will take a course that introduces them to the formal study of literature; two English literature period courses that cover canonical works within a historical context; and three electives that look closely at a genre, an author, or a specific aspect of a literary period. These courses will acquaint the student with a variety of literary works and periods and help them discern literature's intrinsic aesthetic and humanistic values. They will also provide ample opportunities for critical analysis and writing.

### **Required courses:**

EN106 Introduction to Literary Studies

### **Two English literature period courses from the following:**

EN233 (Medieval)

EN234 (Renaissance)

EN236 (Eighteenth-century)

EN237 (Romantic)

EN238 (Victorian)

EN239 (Modern British)

EN241 (Nineteenth-century American)

EN242 (Modern American).

### **Three electives in English, two of which must be in literature.**

#### **103-104 Freshman English I – II**

A two-semester sequence designed to help students become better thinkers, readers and writers and to initiate the training they need to satisfy the demands of their college education. It focuses primarily on the writing process and the interrelated stages of that process. The second semester also introduces students to research methods. All degree-candidate students must complete successfully English 103 and English 104.

#### **106 Introduction to Literary Studies**

Introduces the beginning English major to the study of literature through discussion of various critical theories and methods and through analysis of literary forms and genres.

#### **110 Introduction to Human Communication**

This course introduces the general areas and concentrations of the study of communication relating to everyday communication interactions. Students investigate concepts and basic theories related to a variety of communication contexts, including intrapersonal, interpersonal, group, organizational, mediated, gender and intercultural. This course is designed to be an entry level introduction to the discipline of Communication.

#### **115 Introduction to Mediated Communication**

This is a survey course in mass and mediated communication. By teaching issues surrounding media literacy, students are encouraged to develop a

critical and cultural framework to assess various elements of the media. Specifically, the course traces media history, governmental regulation of the media, media economics and the development of “new media” to understand the impact of the changing nature of mediated communication on politics and culture.

**207 Advanced Composition**

The study of the essay in theory and practice, its prevalent forms in journalism and scholarship.

**212 Creative Writing: Fiction**

A workshop in the composition of short fiction. After initial guidelines on the forms of writing short fiction are set out, students will read from their work-in-progress and receive critiques from their peers and from the instructor. Permission of the instructor is required.

**213 Creative Writing: Poetry**

A workshop in the composition of poetry. After initial guidelines on the forms of writing poetry are set out, students will read from their work-in-progress and receive critiques from their peers and from the instructor. Permission of the instructor is required.

**216 Principles and Practices of Journalism**

An introduction to the basic methods and techniques of writing for the print and broadcast media. The student practices clear and concise writing, effective editing, and efficient gathering and organization of news stories.

**218 – Media Writing**

An introduction to the skills of writing for various professional communication contexts, such as advertising and public relations, as well as audio-visual storytelling. Students critique the cultural, political, and economic factors that inform the production, use, and potential of media writing.

**221 Public Speaking**

Stresses building effective speaking skills necessary for professional careers and participation in civic life. Students learn various strategies that are available for assessing and meeting the demands of speaking situations. Assignments include a series of informative, persuasive, and commemorative speeches.

**222 Oral Interpretation of Literature**

Applies techniques used in the art of oral interpretation to various literary genres. Works performed are analyzed. Individual performance is required.

**233 Studies in Medieval Literature**

Selected works of medieval English literature, from Anglo-Saxon through late Middle English.

**234 Studies in Renaissance Literature**

The poetry, prose, and drama of major 16<sup>th</sup> and 17<sup>th</sup> century writers such

as Wyatt, Sidney, Spenser, Shakespeare, Jonson, More, Donne, Herbert, Marvell, Webster, Ford, and Milton.

**236 Studies in Eighteenth-Century Literature**

The study of English literature between John Dryden and Samuel Johnson; analysis and criticism of representative works of Dryden, Swift, Addison, Pope, Boswell, and Johnson. This study will be informed by the governing intellectual and poetic impulses of the Enlightenment such as rationalism, classicism, Deism, and Tory-Whig politics. The rise of the novel is studied in selected works of such authors as Defoe, Richardson, Fielding, Sterne, and Austen. Readings in selected dramatists such as Wycherly, Congreve, Gay, Sheridan, and Goldsmith.

**237 Studies in Romantic Literature**

The major writers of the English Romantic Period, with emphasis on Wordsworth, Coleridge, Byron, Shelley, and Keats.

**238 Studies in Victorian Literature**

The social and intellectual problems of the Victorian Age seen through the chief novelists, poets, and essayists.

**239 Studies in Modern British Literature**

A survey of the major writers and movements of the Edwardian and Georgian periods to 1936, with an emphasis on the Modernist literature by Conrad, Woolf, Eliot, Joyce, Yeats, and Lawrence.

**240 Studies in Postmodern British Literature**

A study of representative poetry, fiction, essays, and drama of the later twentieth century to the present, including such authors as Orwell, Auden, Pinter, Beckett, Thomas, Larkin, Waugh, Rhys, Lessing, Heaney, Stoppard, and McEwan.

**241 Studies in Nineteenth-Century American Literature**

A study of representative 19th century writers such as Irving, Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, Dickinson, Twain, and James.

**242 Studies in Modern American Literature**

A study of representative poetry, fiction, and drama of the twentieth century including such authors as James, Wharton, Eliot, Frost, Fitzgerald, Hemingway, Faulkner, Stevens, O'Neil, Hughes, Welty, Miller, and O'Connor.

**243 Studies in Postmodern American Literature**

A study of American writing from 1945 to the present, focusing on those works that challenge the premises of Modernism and examine contested identities that make up America.

**245 Introduction to African-American Literature**

A survey of the development of African-American literature from its beginnings to the present, with an emphasis on literary genres and traditions, and historical and cultural contexts.

### **251 Shakespeare**

Close reading of representative comedies, histories, and tragedies.

### **252 Milton**

The major works of Milton, including *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*.

### **255 Introduction to Postcolonial Literature**

A survey of the development of postcolonial literature as a genre that emerged following the end of the British Empire. It covers a range of periods and geographies: from 1947, when the British left India, to post 1960s, when they left Africa. It has now been expanded to include modern Empires such as the former Soviet republics, Latin America, and Ireland. The course includes contemporary Indian, African, and Caribbean literature as well as select canonical texts that can be read from a postcolonial perspective.

### **261 Beginning Acting**

An introduction to the basic vocal and physical techniques of acting with emphasis on the development of technical skills and the emotional and intellectual resources required in acting. Improvisations and theatre games are used extensively. Formal acting is explored through monologue and duet acting scenes. Cross-listed as Fine Arts 261.

### **262 Beginning Directing**

Instruction and practical experience in the art of staging plays. Selection of materials, script analysis, casting, blocking, rehearsal procedure, and techniques of communication with the actor are explored. Directing methods are examined in a major scene prepared for presentation to the class.

*Cross-listed as Fine Arts 262.*

### **310 Rhetorical Theory and Criticism**

Focuses on the history and importance of rhetorical tradition from the fifth century B.C. to the present, including the role classical rhetoric has played in the development of modern rhetorical theory. (Formerly EN210)

### **315 Communication Theory**

Various theories about the nature and dynamics of human communication are presented. A study of the language base of the discipline will open to an examination of applications in interpersonal, intergroup, mass and media communication situations. (Formerly EN225)

### **330 Political Communication**

This course is designed to introduce students to the central concepts and principles underlying the communicational process in the political arena. Students will be expected to demonstrate mastery of relevant terminology and theory, to recognize the forms and genres of political communication, to provide specific examples of such forms and genres and to critique and evaluate forms of political communication and to manifest their mastery in discussion and written assignments, as well as examinations and quizzes.

**345 Progress and Nostalgia: Mid-Victorian Britain in History and Literature**

The period between 1851–1867 constituted the high noon of Victorian England, an era when Britain enjoyed unprecedented stability and prosperity. Beneath the equipoise of these years, however, great changes took place, and Victorians attempted to deal with what they saw as the transition from the medieval to the modern world. This course identifies several areas in which significant change occurred, such as politics, art, and religion and others. Within the selected areas, students will learn to appreciate the great literature of the period and examine the historical forces influencing the art, culture and people of the mid-Victorian period. Cross-listed with HI345

**354 Introduction to Literary Theory**

General principles and trends in the theory and criticism of literature from antiquity to the twenty-first century, including classical rhetoric, formalism, structuralism, post structuralism, new historicism, and gender studies.

**355 Introduction to General Linguistics**

Designed to provide students with a grasp of fundamental linguistic principles, concentrating on the grammar of English. It emphasizes the analysis of English according to the traditional, structural, and generative transformational approaches. Included are the implications of applied English linguistics for teachers, literary scholars, and other professionals.

**356 History of the English Language**

The historical development of the English language: the phonological, morphological, and syntactic changes through the centuries governed by language laws and foreign influences.

**363 Topics in the History of the Theatre**

Various phases of theatre development are studied. Representative plays are read as examples for discussion. Sample topics: American Drama and Culture, European Masters of Drama, American Playwrights since 1945, Great Ages of the Theatre. Cross listed as FA363.

**Special Topics**

307 Special Topics in Writing

Sample Topics: Advanced Journalism

325 Special Topics in Communication

Sample Topics: Political Communication; Gender and Communication.

333 Special Topics in Medieval Literature

Sample Topics: Chaucer; Arthurian Legends; Celtic Traditions.

334 Special Topics in the Sixteenth Century

Sample Topics: Edmund Spenser; The Sonnet.

335 Special Topics in the Seventeenth Century

Sample Topics: The Metaphysical Poets.

- 336 Special Topics in the Eighteenth Century  
Sample Topics: Jane Austen; Neo-classical Satire; Eighteenth Century Novel
- 337 Special Topics in the Romantic Period  
Sample Topics: The Gothic Novel; Mary Shelley and her Circle.
- 338 Special Topics in the Victorian Period  
Sample Topics: Gerard Manley Hopkins; Thomas Hardy; The Brontes.
- 339 Special Topics in the Modern British Literature  
Sample Topics: Bloomsbury: Virginia Woolf and Her Circle
- 340 Special Topics in Postmodern British Literature  
Sample Topics: Contemporary British Novel; Postcolonial Indian Literature
- 341 Special Topics in Nineteenth-Century American Literature  
Sample Topics: Whitman and Dickinson; American Transcendentalism; Hawthorne and Melville.
- 342 Special Topics in Twentieth-Century American Literature  
Sample Topics: The Harlem Renaissance; African-American Literature, 1930-1950; Willa Cather; Postmodern American Poetry.
- 370 Special Topics in Irish Literature  
Sample Topics: Contemporary Irish Fiction; Yeats and the Irish Literary Revival; Anglo-Irish Literature; Contemporary Irish Poetry
- 373 Special Topics in Literary Genres  
Sample Topics: Tragedy: Theory and Practice; Psychological Fiction
- 374 Special Topics in Literary Theory/Criticism  
Sample Topics: Contemporary Theory.

#### **400 Independent Study**

#### **470 Communication Senior Seminar**

Required of all senior Communication majors, this course asks students to integrate the knowledge and skills they have acquired as communication majors. Being mindful of the ethical issues surrounding topics in communication studies, students are expected to develop a capstone project that culminates in both a senior thesis and a presentation of the results of their research.

*Prerequisite: EN210 Theory of Rhetoric or EN225 Communication Theory*

#### **475 English Senior Seminar**

Required of all senior majors, each student will write and present a thesis on a single major work. The seminar encourages coordination of literary knowledge by bringing literary theory, history, and criticism into conjunction with one another.

#### **481-482 Internship**

Student-originated internships, supervised by the English Department, in areas of communication, publishing, journalism, and theatre.

## ENVIRONMENTAL SCIENCE

The Environmental Science major is designed for students with a strong interest in the life and physical sciences, and a desire to improve the quality of their environment by working toward sustainable development and environmental protection. The program offers a multi-disciplinary approach with its core curriculum firmly based in the lecture and laboratory experiences of foundation courses in Biology, Chemistry, and the Physical Sciences. The major also requires courses from the economic and political sciences to introduce the student to the economic and political influences that lend complexity to environmental decision making and the implementation of environmental solutions.

Students majoring in Environmental Science will select courses with the assistance of a faculty advisor and are required to take a minimum of 6 basic science courses and 8 environmental core courses (see below). A research or internship experience is also strongly recommended. The program is designed to provide the fundamental background necessary to understand environmental issues, while providing students with the skills to both investigate these issues and to design and implement actions aimed at solving environmental problems. Overall, this program enhances students' problem solving abilities, quantitative methods, modeling skills, ability to critically review scientific literature and information, field methods, critical thinking, and communication skills. In addition, the program should foster a stronger personal environmental ethic.

Students majoring in Environmental Science are required to take:

Basic Science Courses: General Biology (103-104), General Chemistry (CH130-131), Organic Chemistry I (CH250), Biostatistics (BI345)

Environmental Core Courses: Biosphere at Risk (BI205), Aquatic Ecology (BI319), Ecology (BI320), Conservation Biology (BI328), Environmental Plant Biology (BI329), Environmental Chemistry (CH260), Principles of Microeconomics (EC141), Politics of the Environment (PO215).

Each Environmental Science student is encouraged to gain additional laboratory or field experience by (1) enrolling in either Directed Research in Biology (BI421-422 or BI423) or Research and Seminar in Chemistry (420-421), (2) developing an individual internship program with direction from the Internship Facilitator (BI451 and/or 452), or (3) participating in the Washington Internship Program (BI450). Should a student opt not to engage in one of the above research experiences, he/she must enroll in one additional non-introductory level laboratory course offered by the Biology Department.

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Language	Language
	Biology 103	Biology 104
	Chemistry 130	Chemistry 131

<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Biology 345 Chemistry 250	Humanities IV Philosophy/Theology Language Biology 305 Elective
<b>Junior Year</b>	Philosophy/Theology Biology 320 Chemistry 260 Economics 141 Elective	Philosophy/Theology Biology 329 Politics 315 Elective Elective
<b>Senior Year</b>	Philosophy/Theology Biology 319 Biology 421/ Chemistry 420  Elective Elective Elective	Philosophy/Theology Biology 328 Biology 422/ Chemistry 421  Elective Elective

See Biological Sciences Overview (starting on p. 45 for additional information)

## FINE ARTS

### **Chairperson: Katherine A. Hoffman**

Professors: Katherine A. Hoffman, Landis K. Magnuson; Associate Professors: Kimberly Kersey-Asbury, Katherine M. Bentz; Assistant Professors: Francis Kayali, Sean M. Parr; Lecturers: Rachelle Beaudoin, Megan Bogonovich, Luke Buffenmyer, Rev. Bede G. Camera, O.S.B., Karen Hillson, Rev. Iain G. MacLellan, O.S.B., Elsa Voelcker.

The Fine Arts major is designed to provide a strong foundation in the study of the visual arts and music within a liberal arts education. The course requirements for the Fine Arts major provide a focused path of study in one of three emphasis areas: Art History, Studio Art, or Music. The emphasis requirements also provide students with the opportunity to partake in the interdisciplinary nature of the Fine Arts program. The Fine Arts curriculum provides courses which develop analytical and technical skills, emphasize critical inquiry and aesthetic appreciation, and foster an understanding of the historical, cultural, and philosophical dimensions of the arts. In addition to the course requirements, all Fine Arts majors are required to complete the Senior Seminar, a Senior Thesis Project, and a Senior Comprehensive Examination. The Senior Thesis Project culminates in a public presentation representing the student's achievement in a specific area of the Fine Arts.

The Fine Arts degree program prepares students for a wide array of career opportunities in arts management and administration; museum, gallery, curatorial work; digital and graphic design; visual communications and media marketing; and graduate studies in art history, arts education, art therapy, and musicology. Several Fine Arts courses offer a service-learning option which allows students to apply their skills and talents in outreach to community organizations. Student internships are available through the on-campus gallery and performing arts center as well as off-campus sites such as local museums, galleries, advertising and graphic design companies, music schools and performing organizations. Fine Arts majors are also encouraged to study abroad. Students may participate in the annual Juried Student Art Show, attend the Fine Arts Lecture and Performance Series, and join student clubs such as the Art Society, Lucubrations, and the Anselmian Music Society. Music emphasis students have opportunities for performance in the Saint Anselm College Choir, the jazz band, or chamber music ensemble. In addition, Fine Arts classes make field trips to art exhibitions, and concert performances to art centers in the region.

A minor in Fine Arts is also available to students who wish to combine Fine Arts skills and knowledge with other majors such as Biology, Business, Classics, Computer Science, English, History, Modern Languages, Philosophy, Physics, Psychology, Politics, Sociology, or Theology.

### **Art History Emphasis Requirements:**

- Three Departmental Requirements: FAH101 or FAH110, FAS110, FAH 490.

- Five Art History Period Courses: FAH208, FAH210 or FAH212; FAH214; FAH216; FAH218; FAH220 or FAH222; or sufficient equivalents in Special Topics or Independent Study courses.
- Two Art History Specialty Courses: Selected from the following: FAH230, FAH232, FAH240, FAH258, FAH260, FAH262, FAH310, FAH312, or appropriate Special Topics courses.
- Two Fine Arts Electives: Selected from Studio Art or Music courses.

**Studio Art Emphasis Requirements:**

- Three Departmental Requirements: FAH101 or FAH110, FAS110, FAH490.
- Two Art History courses: FAH220 or FAH222, and one additional art history course.
- Four Studio courses chosen from the following: FAS220, FAS230, FAS240, FAS250, FAS252, FAS270, FAS272, or Special Topics Studio courses.
- Two Advanced Studio Courses chosen from the following: FAS210, FAS274, FAS340, FAS372, FAS376, FAS378, Studio Art Special Topics courses, or Independent Study.
- One Fine Arts Elective: Selected from Art History or Music courses.

**Music Emphasis Requirements**

Students who pursue a music emphasis are required to take a placement examination in music theory prior to the first week of classes. Students who demonstrate adequate knowledge of music theory fundamentals may enroll in MU111: Advanced Music Theory. Students who do not demonstrate adequate fundamentals knowledge are required to enroll in MU110: Introduction to Music Theory as a pre-requisite to Advanced Music Theory. (MU110 may be counted as a Music Elective in this case.)

- Three Departmental Requirements: MU111, MU140, FAH490.
- Four Music History Period Courses: MU240, MU341, MU342, MU343.
- Three Music Specialty Courses from the following: MU120, MU210, MU241, MU242, MU243, MU244, MU350, MU351, MU352, or a Music Special Topics course.
- Two Fine Arts electives: Selected from Art History or Studio Art courses.

**Recommended Course Sequence:**

Students will select courses in conjunction with an advisor, selecting courses in appropriate areas of language, philosophy, theology, etc. to fit the individual student's interests and field of emphasis. If necessary, substitutions may be made for required emphasis courses with permission of the advisor and/or department chairperson.

**Freshman Year**

Humanities I

English

Language

Science

FAH101 or FAH110/MU140

Humanities II

English

Language

Science

FAS110/MU111

<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Emphasis Course Emphasis Course	Humanities IV Philosophy/Theology Language Emphasis Course Emphasis Course
<b>Junior Year</b>	Philosophy/Theology Emphasis Course Emphasis Course Elective Elective	Philosophy/Theology Emphasis Course Emphasis Course Elective Elective
<b>Senior Year</b>	Philosophy/Theology FAH490 Elective Elective Elective	Philosophy/Theology Elective Elective Elective Elective

A student who wishes to major in Fine Arts after the first semester of the junior year must have permission of the Fine Arts Department Chair, who will also consult with appropriate faculty in the student's selected major area of emphasis. Transferring late to the major may result in enrollment in additional courses in summer school, and/or a later graduation date.

## FINE ARTS MINORS

The Fine Arts Department awards a minor for advanced work in art history, studio art, and music to full-time students not majoring in fine arts. Students may emphasize in one of these areas of study and they must register for the minor with the Coordinator of the Fine Arts Minor. Courses for the minor taken through study abroad or off campus programs must be approved by the Coordinator of the Fine Arts Minor.

### **Art history**

#### **Required Courses:**

FAH101 Introduction to Art or FAH110 Introduction to Architecture.

FAS110 Drawing I or an alternative studio art course with permission of the Coordinator of the Fine Arts Minor.

Four additional courses in art history (FAH) at or above the 200 level.

No more than one of these courses may be FAH400 Independent Study, and no more than one of these courses may be FAH492 Internship.

### **Studio art**

#### **Required Courses:**

FAH101 Introduction to Art or

FAH110 Introduction to Architecture.

FAS110 Drawing I or an alternative studio art course, with permission of the Coordinator of the Fine Arts Minor.

Four additional courses in Studio Art (FAS) at or above the 200 level.

No more than one of these courses may be FAS400 Independent Study, and no more than one of these courses may be FAS492 internship.

## **Music**

### **Required Courses:**

MU111 Advanced Music Theory. (If needed as a preparatory course, MU 110 may count as one of the electives below.)

MU140 Introduction to Music and Musicians

Two of the three music history period courses: MU341, 342, 343.

Two additional courses in music (MU) at or above the 200 level. No more than one of these courses may be MU400 Independent Study, and no more of these courses may be MU492 Internship.

## **ART HISTORY**

### **FAH101 Introduction to Art**

An introduction to the language and history of the visual arts, including the visual elements, media and methods used by artists, and a chronological survey of the major periods, artists and works in the history of art. Open to students from all backgrounds with no previous experience in the visual arts necessary. (Formerly FA101)

### **FAH110 Introduction to Architecture**

An introduction to the history of architecture, urban planning and the built environment from antiquity to the present day. The course examines the descriptive terminology of architecture, the basics of materials and structural design, modes of architectural representation, and the development of historical styles and building typologies. Topics include “the architect” in history, the development of landscape architecture, and architectural theory and criticism. Field trips will be required. No previous experience in the visual arts necessary. (Formerly FA110)

### **FAH 206 Survey of the Archaeology of Greece**

A survey of the major sites and monuments of ancient Greece. The course pays special attention to how archaeology relates to other approaches to the study of classical antiquity, e.g. history, art history, and philological studies. (Cross listed with CL277)

### **FAH207 Survey of the Archaeology of Rome**

A survey of the major sites and monuments of the ancient Roman World. The course pays special attention to how archaeology relates to other approaches to the study of classical antiquity e.g. history, art history, and philological studies. (Cross listed with CL278)

**FAH210 Art and Architecture of the Ancient World**

A survey of Egyptian, Greek, and Roman art and architecture within the historical context of the political, religious, and social practices of each culture. Topics include the depiction of the human figure, representation of mythological and historical subjects and the development of sacred and secular building types. (Cross listed as CL210. Formerly FA210)

**FAH212 Art & Architecture of the Middle Ages**

A survey of art and architecture examining the foundations of Early Christianity, the Byzantine Empire, and Western European cultures through the fourteenth century. Topics include the development of distinctive iconographies, styles, techniques, and building types to meet the needs of the religious and secular society. (Formerly FA212)

**FAH214 Italian Renaissance Art**

A survey of Italian art and architecture ca. 1300–1590. Discussions will consider works of art in their social, cultural, and historical contexts, with special attention given to the materials and methods of art; the role of art in contemporary life; patronage and collecting; and the social status of the artist. Subjects will include major masters, such as Giotto, Leonardo, Michelangelo and Titian, as well as historiographic concepts of “the Renaissance” and artistic genius. (Formerly FA214)

**FAH216 Art and Culture of the Seventeenth-Century**

An examination of European painting, sculpture and architecture of the 17th century within the religious, political, urban, and domestic spheres of society. Topics include artists such as Caravaggio, Bernini, Rubens, Velázquez, Rembrandt, and Poussin; the roles of art patrons, collectors and critics; urbanism and town planning; the development of art academies; and the art-historical notion of “baroque style.” (Formerly FA216)

**FAH218 Revolutions in Art: Nineteenth-Century Art**

An examination of revolutionary changes in painting, sculpture, and architecture, the changing role of the artist in society from courtier to critic to activist and mystic recluse. Neoclassicism, Romanticism, Naturalism, Impressionism, Post-Impressionism are among the movements studied. (Formerly FA218)

**FAH220 New Ways of Seeing: Twentieth-Century Art**

A study of revolutionary individuals and movements in the visual arts of the 20th century, including Fauvism, Cubism, Expressionism, Constructionism, Dadaism, the Bauhaus, and Surrealism. Emphasis on European works up to 1945. (Formerly FA220)

**FAH222 Contemporary Art**

An exploration of contemporary trends in the visual arts and of the role of the artist in society from 1945 to the present with emphasis on American art. Areas of study will include Abstract Expressionism, Pop art, Minimalism, Conceptualism, Earthworks, Neo-expressionism, video, performance art, Post-modernism, and the breaking of traditional media boundaries. (Formerly FA222)

**FAH230 The Arts of the United States and the Americas**

Aspects of the American experience as reflected in painting, sculpture, architecture, and photography from the colonial period to the end of World War II. Major artists, themes, and movements in the United States with consideration of artistic developments throughout the Americas. (Formerly FA230)

**FAH240 Islamic Art and Architecture**

An introduction to Islamic art and architecture and its global impact from the 7th century to the present. A study of the historical development of Islamic Art in specific Islamic regions including: Egypt, Iraq, Spain, Morocco, Turkey, India, and Central Asia. Art forms to be considered include painting, book illustration, calligraphy, metalwork, ceramics, textiles, architecture of the mosques and madrasa, and garden design. (Formerly FA234)

**FAH258 History of Photography**

An introductory chronological survey of the history of photography as a revolutionary new art form from its 19th century origins to the present. This course will address critical and historical “readings” of content, style and techniques of photographs in various cultures and time periods, including digital images in contemporary photography. Emphasis on photography as an art with some consideration of photojournalism and advertising. Lecture and discussion. (Formerly FAH360)

**FAH260 The Cinematic Eye – A History of Film to 1945**

A study of the history of film (motion pictures) as an art form from its origins to the end of World War II. Focus will primarily be on influential European and American films, and major advancements in filmmaking techniques as well as the significance of a film for the society of its time. Different genres of film will be explored as well as the work of major individual directors. (Formerly FA240)

**FAH262 Contemporary Film – 1945 to the Present**

A study of American and foreign cinema in the post World War II era. The interaction of film and society, as well as specific genres and directors will be considered. (Formerly FA242)

**FAH310 Studies in Architecture**

An advanced exploration of the history of architecture and urbanism. Topics vary between historical periods, architects, building types, and geographical locations or themes within the history of architecture. Students will complete research projects concerning specific problems in the history of architecture. (Formerly FA310)

*Prerequisite: FAH110 or permission of the instructor.*

**FAH312 History of Modern Architecture**

The course examines the clash between the progressives, those who embraced the new technologies and the search for a distinctively modern style, and the traditionalists who tried to stem the tide. It also studies

problems in housing, high-rise buildings and urban design brought to the fore by the effects of industrialization. (Formerly FA224)

**FAH363 Topics in the History of the Theatre**

Various phases of theatre development are studied. Representative plays are read as examples for discussion. Sample Topics: American Drama and Culture, European Masters of Drama, American Playwrights since 1945, Great Ages of the Theatre. (Cross listed with EN363.)

**FAH400 Independent Study**

**FAH401 Independent Study – Thesis Research**

**FAH490 Senior Seminar (Formerly FA480)**

**FAH492 Internship (one semester) (Formerly FA481)**

**FAH493–494 Internship (two semesters) (Formerly FA481–482)**

**Special Topics:**

**FAH250 Asian Art**

**FAH264 The Family in Art and Film**

**FAH270 Women Artists**

**FAH315 Michelangelo and his World**

## STUDIO ART

**FAS103 Creativity**

In this course, students will gain an understanding of creativity through study of the scientific, artistic and spiritual approaches. Study of these disciplines will be used to strengthen students' commitment to and practice of creativity in the arts and sciences and in the art of living. (Formerly FA130)

**FAS110 Drawing I**

A beginning level course open to students with little or no visual arts experience. The methods of rendering a variety of subjects, including still-life, portrait and human figure in a variety of drawing media. The works of contemporary and historical artists are examined through slide lectures. Studio and materials fees charged. (Formerly FA176)

**FAS210 Drawing II**

A continuing examination of the techniques and principles of organization which were introduced in Drawing I. The course will be divided into four focus areas—the human figure and portraiture with emphasis on anatomical structures; the enclosed environment; the open-air environment; and independent creative investigations. Slide lectures and discussion. Studio and materials fees charged.

*Prerequisite: FAS110 or permission of the instructor. (Formerly FA376)*

**FAS220 Painting I**

The principles of color theory and composition are explored in this introduction to the materials and tools of oil painting. Students work from life to create still lifes, portraits, figure studies, and landscapes. Studio work is complemented by readings, critical writings, museum visits, and discussion of artistic works of the past and present. In addition to the studio fee, students are responsible for purchase of paints and some supplies. (Formerly FA250)

**FAS230 Printmaking: Monotype, Relief, Collagraphy**

This studio course covers printmaking theory and technique through lectures, demonstrations, critiques, and individual print lab time. Students will develop imagery through an exploration of historical and contemporary art and culture and will complete a portfolio of several original images by the end of the semester. Using the state of the art Whelen XPress Intaglio Press as well as hand printing methods, students will make multiple original prints through several processes including monotype printing, relief (linoleum and wood block), and collagraphy (building image plates through collage techniques). Individual lab time is required. Students will learn to demonstrate proper studio method including the safe handling and cleaning of tools, materials, and equipment as well as studio etiquette. Studio and materials fees charged. (Formerly FA254)

**FAS240 Photography I**

An introduction to black-and-white photography, including the history, technique, and aesthetics of photography. Students are taught to operate a 35mm camera, develop black-and-white film, and make prints. Assignments stress the different elements involved in making a successful photograph. Students are expected to have their own manually operated 35mm camera. Studio and materials fees charged. (Formerly FA256)

**FAS250 Three-Dimensional Design**

An introduction to three-dimensional design as it relates to structure, process, continuity, relationships, functions, psychological necessity, and the view of total design with its environmental implications. Students will be required to solve a series of design problems utilizing hands-on materials and 3-D computer graphics. The course may serve as a foundation for sculpture, engineering, and structural design. Studio and materials fees charged. (Formerly FA277)

**FAS252 Sculpture**

Explores principles of three-dimensional work in the sculpture studio. Elements such as mass, space, time, and motion will be examined as they relate to such design concepts as scale, rhythm, balance, and contrast. Students work with a variety of materials including clay, light-weight wire, metal, wood, paper, and plastic. Studio and materials fee charged. (Formerly FA274)

**FAS261 Beginning Acting**

An introduction to the basic vocal and physical techniques of acting with emphasis on the development of technical skills and emotional and intellectual resources required for acting. Improvisations and theatre games are used extensively. Formal acting is explored through monologue and duet acting scenes. Cross-listed as EN261 (Formerly FA261)

**FAS262 Beginning Directing**

Instruction and practical experience in the art of staging plays. Selection of materials, script analysis, casting, blocking, rehearsal procedure, and techniques of communication with the actor are explored. Directing methods are examined in a series of short scenes prepared for presentation to the class. Cross-listed as EN262 (Formerly FA262)

**FAS270 Visual Communication**

An introduction to forms of visual communication in contemporary society, highlighting the creative, informative, and persuasive images in print media, computer graphics, and publishing. Lecture and studio projects. Materials fees charged. (Formerly FA278)

**FAS272 Digital Art & Imaging I**

An introduction to the use of the computer as an artistic instrument. The intent of this class is to provide students with the fundamental information and skills needed to analyze and produce digital media and apply those skills to both fine art and commercial environments. Creative and expressive approaches are favored. Materials fees charged. (Formerly FA266)

**FAS274 Graphic Design I**

Combining studio work with classroom instruction and group critiques, students will learn fundamentals of design theory and typography. Students will gain competency in industry standard software such as Adobe InDesign, Photoshop and Illustrator and will use analytical thinking and problem solving skills to produce creative, communicative design layouts and presentations in various media. Professional opportunities in the design field will be presented. Materials fees charged. (Formerly FA276: Color and Design)

**FAS340 Photography II**

A continuation of FAS240. Technical goals include the ability to use different films properly, control contrast, and produce fine quality prints on fiber based paper. Students will also be introduced to elements of digital photography. Students will work on long-range assignments. Emphasis on personal vision and making clear statements through editing and sequencing photographs. A research paper and presentation on a master black and white photographer or a service learning project providing photographic services to a venue of your own choice is required. Studio and materials fee charged.

*Prerequisite: FAS240 or permission of instructor. (Formerly FA356)*

### **FAS372 Digital Art & Imaging II**

A continuing investigation into the use of the computer as an artistic instrument. The intent of this project-oriented class is to provide students with intermediate and advanced information and skills needed to analyze and produce digital media and apply those skills to both fine art and commercial environments. We will also explore the art of storytelling, abstraction, metaphor, and narrative language. Materials fees charged.

*Prerequisite: FAS270, or FAS272, or FA376, or permission of instructor. (Formerly FA367)*

### **FAS376 Art and Design for the Web**

An introduction to media development and artful design for the world wide web and electronic publishing highlighting the creative, aesthetic, historical, and theoretical aspects of informational systems. No HTML or scripting required. Students will have the opportunity to develop graphics, web pages, and web sites utilizing Adobe Creative Suite, After Effects, and Dreamweaver, lectures, and critiques. (Formerly FA368)

### **FAS378 Motion Art**

An examination of the procedural, historical, and conceptual aspects of motion in media including motion graphics, animation, and video. The course focuses on motion art design principles and introduces two animation and video authoring software applications: Adobe Flash and Final Cut Pro. Adobe After Effects software will be introduced for use in type animation. Students will have the opportunity to develop a variety of creative products that incorporate animation and videography with an emphasis on display on the Web. The art of storytelling, abstraction, metaphor, and narrative language will also be explored. No previous programming knowledge required. (Formerly FA369)

### **FAS400 Independent Study**

#### **FAS401 Independent Study – Thesis Studio**

#### **FAS492 Internship (one semester) (Formerly FA481)**

#### **FAS493–494 Internship (two semesters) (Formerly FA481–482)**

**Special Topics: Materials fees required for all Studio Art Special Topics courses listed below.**

#### **FAS212 Illustration**

#### **FAS225 Watercolor**

#### **FAS260 Ceramics I**

#### **FAS264 Ceramic Surface Design**

#### **FAS310 Advanced Drawing Techniques**

#### **FAS320 Painting II**

#### **FAS324 Painting and Installation**

**FAS322 Painting as Narrative**

**FAS330 Printmaking: Intaglio and Alternative Processes**

**FAS342 Photo Media: Analog to Digital**

**FAS356 Mixed Media**

**FAS360 Ceramics II**

**FAS374 Graphic Design II**

**FAS375 Typography and Design**

## MUSIC

### **MU110 Introduction to Music Theory**

An analytic investigation of the basic elements of music: melody, rhythm, harmony, and form in the context of Western common-practice tonality. Topics include rhythm and meter, keys and scales, chords and their inversions, melodic construction, elementary harmonic progressions, and ear training. Some familiarity with musical notation is recommended.

### **MU111 Advanced Music Theory**

An in depth study of all the musical elements with an emphasis on melodic structure, functional harmony, and four-part writing. Musical examples from a range of historical periods will be used to demonstrate different analytical tools. Discussion will also focus on the analytical process and its relationship to the performer as well as the listener's perception of a work. A complete understanding of musical notation and the fundamental music elements is required.

*Prerequisite: MU110 or permission of the instructor.*

### **MU120 Introduction to Ear Training**

This course is designed to develop basic sight singing, listening, and dictation skills as they relate to music theory and analysis. Exercises will focus on in-class singing examples using the solfege system and dictation examples in rhythm, melody, and harmony within the diatonic system.

*Prerequisite: MU110, or MU111, or permission of the instructor.*

### **MU140 Introduction to Musical Masterpieces**

A focus on masterpieces of Western music in their historical and cultural contexts from the Middle Ages to the present. The goals of the course are to awaken and encourage an appreciation of music, to help students learn to respond intelligently to a variety of musical idioms, and to engage students in the debates on the character and purpose of music that have occupied composers and musical thinkers since Antiquity. Students will also develop listening skills through a study of the basic elements of music: notation, melody, rhythm, harmony, tone color, texture and form, and how they are employed in various musical styles. Designed expressly for the student with no musical background.

**MU210 Introduction to Music Composition**

This course is designed to allow students to explore the creative process of music composition. The course will focus on individual compositional aspects such as rhythm, melody, harmony, form, orchestration, and text setting. Students will have a variety of opportunities to foster their music writing skills and work on the various musical elements through creative composition projects. Students will also have the opportunity to meet and discuss the compositional process with a professional composer and participate in the process of a newly commissioned work to be premiered during the course.

**MU240 American Music**

The music of the United States from colonial days to the present, traced to its European roots but with primary focus on the contributions of distinctively American figures, such as William Billings, Stephen Foster, Charles Ives, Scott Joplin, George Gershwin, Duke Ellington, and Leonard Bernstein. Topics include twentieth-century American contributions to art music, the rise of American musical theatre, jazz, and rock and roll.

**MU241 American Musical Theater**

A historical survey of American musical theater from its origins in the late 19th century. The course focuses on selected works by figures such as Kern, Gershwin, Rodgers and Hammerstein, Bernstein, and Sondheim, as well as the contemporary generation. A series of case studies anchors the course, allowing students to delve into issues of race, gender, politics, musical style, performance, and the notion of the popular, as the class also explores broader cultural and musical trends.

**MU242 Studies in Film Music**

This course is designed to develop a general understanding of the technical, historical, and aesthetic aspects of film music. Students will learn how to breakdown and analyze the primary components of an individual film score and develop a basic ability to identify specific musical instruments and compositional techniques. The course will also discuss many of the influential film score composers of the 20th and 21st centuries and their contribution to the film score.

**MU243 Studies in Jazz History**

This course provides the opportunity for students to develop an understanding and ability to identify the specific musical elements of jazz through a variety of listening assignments. Students will develop a broad understanding of the distinctive features present in each style period of jazz and learn to recognize these features in their listening. Students will also have an opportunity to hear and analyze a live jazz performance during the course.

**MU244 Music and Worship of the Western Church**

Beginning with the Hebrew Psalmody of the Old Testament, this course will survey historical topics in sacred music from Gregorian chant to the present. Topics include: the chorales and psalm settings of the Reformation,

oratorios of Handel, masses of Mozart and Haydn, requiems of Brahms and Verdi, fuguing tunes of the early American Singing Schools, African-American spirituals, hymns and religious music of the Romantic Era, and the music and praise practices current in the church today.

**MU341 Music of the Medieval, Renaissance and Baroque Eras**

The changing styles of European music from the emergence of Gregorian chant through about 1750. Topics to be covered include Medieval chant, polyphony, and secular song; Renaissance motet, mass, and madrigal; and Baroque opera, oratorio, cantata, sonata, suite and concerto. Composers to be studied include Machaut, Josquin, Palestrina, Vivaldi, J.S. Bach, and Handel.

**MU342 Music of the Classical and Romantic Eras**

The development of European music styles and genres from approximately 1750 to 1900 in the works of composers such as Mozart, Haydn, Beethoven, Schubert, Berlioz, Chopin, Schumann, Brahms, Liszt, Wagner, Verdi, Tchaikovsky, and Mahler. Genres considered include symphony, concerto, string quartet, piano sonata, opera, and art song.

**MU343 Music of the Modern Era**

Western art has taken many divergent paths since Debussy and the Impressionists. Topics will include Stravinsky and neo-classicism, Schoenberg and serialism, Bartok and nationalism, Copland and populism, Cage and indeterminacy, Glass and minimalism, and others.

**MU400 Independent Study**

**MU401 Independent Study – Thesis Research**

**MU492 Internship (one-semester)**

**MU493–494 Internship (two-semesters)**

**Special Topics:**

**MU245 World Music**

**MU246 History of Rock Music**

**MU344 The Madness of Opera**

## FORENSIC SCIENCE

### Chairperson: Derk A. Wierda

Forensic Science is the application of science to answer questions of interest in the legal system. The major is based on a core of content in the sciences, specifically chemistry, computer science and mathematics, with additional options in biology and physics. Additional content within the major includes archeology, criminal justice, fine arts, psychology and sociology. The major allows students to focus their studies in the area of Forensic Science or Computer Forensics. Both take common core courses. Forensic Science students take 3 additional courses and Computer Forensic students take 4 additional courses.

<b>Freshman Year</b>	Humanities I Freshman English 103 Language Chemistry 128/130 Criminal Justice 101	Humanities II Freshman English 104 Language Chemistry 131 Criminal Justice 212
<b>Sophomore Year</b>	Humanities III Language Computer Science 228 Chemistry 220 Theology/Philosophy	Humanities IV Language Physics 104 Major Elective Theology/Philosophy
<b>Junior Year</b>	Philosophy Theology Chemistry 270 Major Elective Math option	Philosophy Theology Chemistry 310 Major Elective Elective
<b>Senior Year</b>	Philosophy/Theology Major Elective Fine Arts option Elective Elective	Major Elective* Elective Elective Elective Elective

\* Computer Forensics option only.

### Math options

MA330 Mathematical Statistics (or BI345, CS204, CJ203, EC121, PY301, SO121)

Or

MA150 The Nature of Mathematics (forensics option)

### Fine Arts options

FAS240 Photography I

Or

FAS272 Digital Art & Imaging I

## Major Electives

### Option 1 Forensic Science (4)

- CH250 Organic Chemistry I
- BI108 Microbiology
- BI346 Pharmacology
- CJ211 Evidence
- CL275 Archeology
- PY205 Psychology of Addiction and Dependency
- PY208 Psychology and Law
- PY307 Abnormal Psychology\*\*(requires General Psychology 1)
- PS104 Forensic Physics
- SO215 Criminology
- CH431-432 Internship (recommended)
- CH420/21 Research and Seminar

### Option 2 Computer Forensics (4)

#### Required

- CS230 Computer Networks and Security
- CS205 Fundamentals and Issues of Using the Internet
- Or
- CS338 Internet and Web-based systems (requires CS111 Computing 1)
- CS220 Computer Architecture and Organization
- Or
- CS325 Operating Systems

#### Choose one

- CS111 Computing I
- CS220 Computer Architecture and Organization
- CS325 Operating Systems
- CS481 Internship

## GEOGRAPHY

### **Director: Philip E. Pajakowski**

Although there is no major field of concentration in Geography, a selection of geography courses is available through the History Department. These elective courses, taught in the liberal-arts tradition, are open to all students.

### **202 Political Geography**

A systematic study of the state as the primary unit of spatial organization, including its evolution, morphology, internal processes, and external relations. Contemporary issues and problems within and between states and their geopolitical bases are emphasized.

### **212 Cultural Geography**

A systematic approach to the study of human societies within a spatial and ecological framework. Studies include development of the cultural landscape, population and spatial mobility, the role of language and religion, types and level of economic development from primitive to post-industrial cultures, urbanization and settlement patterns, and the political organization of the earth.

### **216 Physical Geography and Environmental Management**

A systematic study of environmental components with emphasis on landform development and climate. Within the diverse natural environments produced by natural physical processes, the role of human societies ranges from being active critical agents of change to being dominated by the natural elements. The course will explore the ramifications of these relationships and the need for prudent environmental management policies under ever changing socioeconomic conditions.

### **221 Economic Geography**

An introductory study of the basic interactions between people and their particular habitat, and the physical and human resources of their economy, including a critique of theories of location and economic development.

### **222 Latin American Geography**

A systematic and regional study of the natural environment and of the human society-environment nexus that produces the unique spatial patterns and contributes to the socioeconomic, demographic, and environmental problems and issues within this major world culture region.

### **223 Middle East Geography**

A systematic and regional study of the natural environment and the human society-environment nexus that produces the unique patterns characterizing this pivotal region. Emphasis on contemporary socioeconomic, demographic, and strategic problems and issues within this major world culture region.

### **230 Special Topics in Geography**

Topics to be arranged.

## HISTORY

**Chairperson: Philip E. Pajakowski**

Professors: Andrew S. Moore, Philip E. Pajakowski, Sean T. Perrone;  
 Associate Professors: Hubert F. Dubrulle, Matthew B. Masur, Beth A. Salerno,  
 Silvia C. Shannon; Assistant Professor: Rev. William J. Sullivan, O.S.B.

**TWO MAJORS IN THE HISTORY DEPARTMENT**

The History Department offers students the choice of two majors: History and American Studies. Both History and American Studies are primary undergraduate majors, preparing students for a wide range of careers. Recent graduates have entered advanced degree programs in history, law, business administration, international relations, library science, education, public administration, museum science, and religion. Most students enter the work place at graduation, going into business, government, service industries, as well as human services, education, and related fields.

**I. Major in History**

History fulfills the goal of a liberal education by freeing the student from narrowness of vision. When a person can think clearly about the past, alternatives in the present and future become more readily perceptible. Instruction in the department is designed to introduce the student to the historical process and to a sense of the past, and to present the history of civilization as a foundation for the future.

Courses at the 100 level are considered introductory courses, have no prerequisites, and are open primarily to freshmen, sophomores, and non-majors as elective courses.

Major requirements: History majors are required to take 12 courses in History, 10 of which must be courses numbered 200 or above. Two courses from three of the four areas of course offerings—Europe before 1600; Europe since 1600; United States; and Special Areas—must be included among the 10 advanced courses. All majors must take a Reading Seminar or the Research Seminar. Courses at the 200 or 300 level will count toward fulfillment of distribution requirements. However, students may take no more than five 200 level courses toward major requirements. History Internships and study abroad are endorsed by the department. Students in the Education Certificate program must take most, if not all, available electives in Social Sciences areas to qualify for the Teaching Certificate. Please consult with the Chairperson of the Education Department about the requirements for Teacher Certification.

**Sample Course Schedule for a History Major**

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Science	Science
	Language	Language
	History	History

<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	Language	Language
	History	History
	Elective	Elective
<b>Junior Year</b>	Philosophy/Theology	Philosophy/Theology
	History	History
	History	History
	Elective	Elective
	Elective	Elective
<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	History	History
	History	History
	Elective	Elective
	Elective	Elective

### **HISTORY MINOR**

A minor in History is intended to introduce students to a nuanced understanding of historical events as well as the methods of historical study. Students pursuing the history minor are encouraged to follow their interests by either gaining broad knowledge of the past of various world cultures or by focusing on the study of a particular region or period of time. To complete a minor, students must take six history courses, no more than one of which may be at the 100 level; one of the courses must be a reading seminar (HI489) or, in special circumstances, the research seminar (HI481).

## **II. Major in American Studies**

### **Director: Andrew Moore**

American Studies is an interdisciplinary field of study that integrates history, political science, literature, economics, fine arts, sociology, theology, philosophy, criminal justice, and a variety of other disciplines to explore American (typically the United States) civilization. American Studies majors ask broad questions about the nature of American culture, civilization, and identity. Students of American Studies are challenged to question why American culture developed as it did and to explore what influences have shaped this nation's identity.

All American Studies majors will take AS100, Introduction to American Studies; and in their senior year they will complete an independent research project. In addition, American Studies majors will complete three history courses from the list of eligible courses below, two Politics courses from the list of eligible courses, two English courses from the list of eligible courses, one Fine Arts course (MU240, MU241, or FAH230) and two additional courses selected from the list below.

**List of Eligible Courses**

CJ209	Criminal Law
EC225	Conceptual Foundations of Business
EN241	Studies in Nineteenth-Century American Literature
EN242	Studies in Twentieth-Century American Literature
EN243	Studies in Postmodern American Literature
EN245	Studies in African-American Literature
EN341	Special Topics in Nineteenth-Century American Literature
EN342	Special Topics in Twentieth-Century American Literature
FAH230	The Arts of the United States and the Americas
MU240	American Music
MU241	American Music Theatre
MU243	Studies in Jazz History
MU246	History of Rock Music
MU343	Music of the Modern era
HI104	The Peopling of America
HI106	US Presidency
HI250	US History to 1877
HI251	US History since 1877
HI350	Colonial North America
HI351	Jacksonian America: 1824–1850
HI352	The Civil War and Reconstruction: 1850–1877
HI353	Emergence of Modern America: 1877–1929
HI354	Contemporary America
HI355	Modern American Foreign Relations
HI356	The Old South
HI357	US Labor History
HI358	History of New England
HI359	American Women’s History
HI360	Irish America
HI385	Vietnam War
HI374	Special Topics courses
PH323	Philosophy of Education
PH341	American Philosophy
PO102	American Government
PO211	Executive Branch Politics
PO212	Constitutional Law
PO219	State and Local Government
PO235	American Foreign Policy
PO255	Campaigns and Elections
PO353	Politics of Diversity
PO355	Civil Liberties and Civil Rights
PO358	American Political thought
PO446	Selected Topics in American Politics
PY207	Psychology of Gender
PY209	Political Psychology
SO202	American Society
SO344	Political Sociology
TH220	Religion in America

**Sample Course Schedule for an American Studies Major**

<b>Freshman Year</b>	Humanities I Freshman English 103 Science Language AS100	Humanities II Freshman English 104 Science Language AS Eligible Course
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language AS Eligible Course Elective	Humanities IV Philosophy/Theology Language AS Eligible Course Elective
<b>Junior Year</b>	Philosophy/Theology AS Eligible Course AS Eligible Course Elective Elective	Philosophy/Theology AS Eligible Course AS Eligible Course Elective Elective
<b>Senior Year</b>	Philosophy/Theology AS401, Research AS Eligible Course Elective Elective	Philosophy/Theology AS Eligible Course AS Eligible Course Elective Elective

**100 Introduction to the Study of History**

This course is intended to introduce you to the ways that historians learn, know, and think. We will explore how to read, understand, and critique books and articles written by historians, and we will also begin to learn how to conduct historical research and construct arguments based on that research. We will read about history and do history in this class.

**101 Origins of European Civilization**

Western Civilization, from its Middle East origins to approximately 1600.

**103 War and Revolution in the Modern World**

Compares and contrasts various wars and revolutions since 1688 by explaining their context and place in the modern era.

**104 The Peopling of America**

An introductory level course exploring the history of the diverse ethnic and racial composition of the United States from the colonial period to the present. The course will examine the impact of mass immigration and inter-race relations in this country. The course will make use of autobiography, oral history, and primary sources to show how the United States developed into a pluralistic society. This course will discuss the experiences of European, African American, Asian and Latin American immigrants.

**105 World History, 1500–present**

This course examines the development of the modern world from approximately 1500 AD to the present. Topics include the role of European expansion and colonization in creating the new global network, and the cultural exchange between Western and non-Western civilizations.

**106 The U.S. Presidency**

The power of the U.S. President was intended to be limited, but has generally grown throughout the years since George Washington served as the first president. We explore the limits specified in the Constitution, as well as the ways in which Presidents have used institutional, Congressional, and personal strategies to expand their powers.

**107 Cities and Social Change**

An introduction to urban and social history. It examines selected cities over time, looking at their physical composition and the impact of their economic, social, political, and cultural functions on social change.

**225 Early Modern Europe**

The course explores the origins of modernity in early modern Europe, and it examines the major economic, political, social, intellectual, and cultural developments of the seventeenth and eighteenth centuries. Topics of special interest include the Thirty Years' War, witchcraft, rise of absolutism, “consumer revolution”, colonial expansion, the Scientific Revolution, the Age of Reason and Enlightenment, and the French Revolution and Napoleonic Wars.

**226 Modern European History**

A survey of the major political, economic, social, and cultural events that have shaped modern Europe since 1815. Topics discussed include the Industrial Revolution, the emergence of modern political ideologies, and the conflicts of the twentieth century.

**250 United States History to 1877**

A survey of American economic, political and social developments from colonial times through Reconstruction

**251 United States History from 1877**

A survey of American economic, political and social developments from the Gilded Age to the present.

**275 Asian Civilization**

The course introduces the history of Asia, with primary attention to East and Southeast Asia. It explores interactions among the Asian countries, and ways in which Asians made sense of social relations, politics, economic change, and culture.

**276 Early Africa, Pre-History to c.1807**

The purpose of this course is twofold. First, it will offer students a broad outline of political, economic and social developments in Africa—topics covered will include ancient trade between Africa and the Mediterranean

region, the rise of the great medieval empires of Ghana and Mali, the creation of a distinctive Swahili Coast culture and the impact of slavery and slave trade upon African societies. Second, the course will introduce students to the specific tools used by historians in the study of early Africa. In evaluating how best to write the history of non-literate peoples, students will consider, among other possibilities, the use of historical linguistics, archaeology and oral traditions. They will also assess the usefulness of Islamic and European sources for African history.

### **277 Modern Africa, 1807–present**

This course provides an introduction to the themes and events of African history from 1807 to the present. Of course, within the limited scope of a semester, it would be impossible to convey every detail of two centuries of history. Rather, the course will focus on outlining major trends and on equipping students with the basic knowledge and analytical resources needed to interpret the African past. Readings will encourage students to think about how history is written and to develop their own interpretations of primary documents. Class discussions will provide an opportunity for students to engage more creatively with the course materials and to practice thinking historically.

### **311 Ancient Greece**

A study of the political, social, and cultural history of Greece from Homer to 146 B.C. Topics include: the Age of Homer, rise of Sparta and Athens, Athenian democracy and imperialism, and Alexander the Great.

### **312 Ancient Rome**

A study of the political, social and cultural history of Rome from 509 B.C. to the Fall of the Empire. It will examine the rise of the Roman Republic, expansion and imperialism, Roman society and culture, and Roman legacy to the West.

### **313 The Early Middle Ages**

This course examines the creation of Western Medieval society after the fall of Rome by looking at the rise of Christianity, feudalism and chivalry, and the renaissance of the 12<sup>th</sup> century.

### **314 The High Middle Ages**

This course examines the flowering of medieval civilization in the 13<sup>th</sup> century, the development of the national monarchies, the Black Death and the Hundred Years War.

### **315 The Renaissance**

An intellectual, cultural, and social history of 14<sup>th</sup>–15<sup>th</sup> century Europe. Special emphasis on society and politics in Renaissance Italy, the humanists and their patrons, Machiavelli and statecraft, and the Christian humanism of Erasmus and More.

### **316 The Reformation**

This course covers the Age of the Reform in 16th century Europe. Students will study the thought of the religious reformers, the impact of the Reformations and the Counter Reformation, the interaction of religion and politics in France, England, and Germany, and the rise of toleration.

### **317 Medieval Spain**

This course examines the history of the Iberian Peninsula from the Muslim conquest in 711 to the Christian Reconquest of Grenada in 1492. The course emphasizes the chief social, political, religious and economic transformations within the Christian and Muslim peninsular Kingdom.

### **324 Special Topics: Early Europe**

Topics to be arranged.

### **325 Early Modern England**

This course covers Reformation politics under Henry VIII and Elizabeth I, and the Puritan upheavals of Oliver Cromwell.

### **326 Modern Britain**

This course investigates modern England since about 1760, concentrating on social, political, cultural, and imperial issues, and Britain's new European status since World War II.

### **327 Early Modern France**

Social, cultural and political foundations of the Ancient Regime in France from 1500 to the French Revolution of 1789. Covered in the course: the French Renaissance, the development of absolutism, French society and culture and the coming of the French Revolution.

### **328 The Habsburg Empire**

A survey of this unique Central European state from its emergence in the 16<sup>th</sup> century to its fall in 1918. Emphasis is on the 18th and 19th centuries.

### **329 Modern Germany**

The history of the German lands since 1815. Topics include Germany's unification and industrial transformation, the rise of Nazism, the country's division after World War II and its subsequent reunification.

### **330 Eastern Europe in the Twentieth Century**

Europe's most volatile and crisis-ridden region. Topics include the emergence of the independent East European states, their subsequent political and economic problems through World War II, and the rise and fall of Communist regimes.

### **331 European Socialism**

An examination of the origins of Socialism and its historical European development. Attention will be given to the thought of Karl Marx, the growth of socialist political parties, both reformist and revolutionary, and the establishment of Communist regimes in Russia and Eastern Europe.

### **332 Modern France**

Modern France will begin with the aftermath of the Napoleonic era and conclude with France of 1989, two hundred years after its famous revolution. It will cover domestic political and social issues, so intertwined in French history, and seek to appreciate France's position in the contemporary modern world.

### **333 Europe since 1945**

Devastated and impoverished in 1945, Europe lay in the shadow of the United States and the Soviet Union. Although the last sixty years have presented terrible challenges, the European people have experienced a remarkable regeneration during this period. This course will investigate this regeneration and contemplate the various difficulties Europe faced and continues to face today. Topics covered will include the Cold War, the postwar "economic miracle," Communist rule in Eastern Europe, European unification, immigration, and the Revolutions of 1989.

### **345 Progress and Nostalgia: Mid-Victorian Britain in History and Literature**

The period between 1851-1867 constituted the high noon of Victorian England, an era when Britain enjoyed unprecedented stability and prosperity. Beneath the equipoise of these years, however, great changes took place, and Victorians attempted to deal with what they saw as the transition from the medieval to the modern world. This course identifies several areas in which significant change occurred, such as politics, art, and religion and others. Within the selected areas, students will learn to appreciate the great literature of the period and examine the historical forces influencing the art, culture and people of the mid-Victorian period. Cross-listed with EN345.

### **349 Special Topics: Modern Europe**

Topics to be arranged.

### **350 Colonial North America**

This course examines Colonial North America from the founding of European colonies through the end of the American Revolutionary War. The course includes coverage of Native American history and culture, the development of slavery, conflicts with Britain, and religious issues.

### **351 Jacksonian America: 1824-1850**

A study of the market and transportation revolutions, Jacksonian politics, the rise of the west, the impact of religious revivals, and the multiple reform movements of the 19<sup>th</sup> century.

### **352 The Civil War and Reconstruction: 1850-1877**

An analysis of the complicated set of events surrounding the break down of the American political and social consensus, the war itself and the new directions taken by the nation in the post-war period.

**353 Emergence of Modern America: 1877–1929**

Explores America's dynamic growth from an agrarian nation into an urban, industrial world power beginning in the late nineteenth century. The course focuses on the new problems created by this rapid growth, and the political, cultural, and social movements that were intended to address those problems.

**354 Contemporary America**

The years since 1945 have seen immense changes in the roles of women, different ethnic groups, students, and other groups in American society. This course explores the political, cultural and social movements which surround those changes, as well the changing nature of domestic and international politics.

**355 Modern American Foreign Relations**

Surveys American foreign relations from the 1890s to the present. The course examines the emergence of the United States as a world power, the challenges of war and peace, and America in the Cold War and post-Cold War world.

**356 The Old South**

The course goal is to engage the student in the themes, issues and approaches to the history of the American South from the founding of Jamestown in 1607 until the end of the Civil War. The Old South was a joint creation of blacks and whites. It was also the most powerful slave society in the modern world. Therefore, we will look at black—white relations, especially those in the institution of slavery. Social class and gender roles will be studied as catalysts in southern history. We will look at the beginnings of southern consciousness, the rise of sectionalism, and southern nationalism culminating in the secession movement and Civil War which brought an end to the Old South.

**357 United States Labor History**

This course examines the experiences of workers and the development of organized labor movements in the United States from the colonial period to the present. It explores the intersection of class, race, and gender, and emphasizes that the American labor experience reaches beyond unions to include groups as diverse as colonial craftsmen, antebellum slaves, and twentieth-century fast food employees.

**358 History of New England**

A focus on New England's unique history and culture, and its influence and interactions with American history and development from the age of European explorations to the present.

**359 American Women's History**

A study of the history of women in the United States from early European settlement through the late 20<sup>th</sup> century. The course examines the ways in which the roles of women have changed in response to economic, political and cultural forces.

### **360 Irish America**

Irish America will examine the impact of Irish immigration to the United States. Approximately nine million Irish men and women entered this country from 1700 to the present. We will study the social, cultural, political and economic interplay between these immigrants and the United States. To understand Irish America it will be necessary to look at events happening in Modern Ireland which resulted in the exodus.

### **374 Special Topics: American History**

#### **375 Colonial Latin American History**

This course traces the development of the Central and South American nations from their discovery to 1824.

#### **376 Modern Latin American History.**

This course traces that development from independence to the present, with stress on the ABC powers and Mexico.

#### **377 History of Russia**

A survey of Russian history in the 19th and 20th centuries, focusing on the fall of the tsarist empire, the Communist superpower of the 20th Century, and its successors.

#### **378 Modern China: 1600–Present**

This course explores the history of China since approximately 1600, focusing on the transition from the Sino-centric world in existence when the Qing dynasty took power in 1644 to the challenges of European imperialism, republicanism and communism in the 19<sup>th</sup> and 20<sup>th</sup> centuries.

#### **379 Modern Japan: 1600–Present**

This course explores the history of Japan since approximately 1600, focusing on the rise and fall of the shogunate, the Meiji Restoration and emperor-system, and the rapid changes Japan's political, economic, and cultural systems have undergone during the 20<sup>th</sup> century.

#### **380 History of Southeast Asia**

This course surveys the social, economic, political, and cultural development of Southeast Asia from approximately 1750 to the present. We focus on the nature of pre-colonial societies and governments, the impact of different types of colonial rule, the varieties of struggles for independence, and the choices made by these countries as they achieved independence after 1945.

#### **381 Atlantic World, 1492–1825**

This course examines the Atlantic World from roughly 1492 to 1825. Topics include European expansion and conquest, creation of an Atlantic economy, slavery and the slave trade, and the different indigenous strategies of accommodation, resistance, and rebellion.

**382 History of the Middle East**

The course surveys the history and culture of the Middle East from the time of Muhammad to the present. Three themes are emphasized: the emergence of Islam, the Ottoman Empire, and the historical background of the contemporary problems of the region.

**383 Applied History**

This course introduces students to the methods, concerns and uses of public history or history outside the classroom. It will involve hands-on experience in applied history methods, including material culture, museum education, archival management, and historic preservation.

*Prerequisite: Two semesters of History*

**384 British Empire**

The British Empire took a leading role in globalization throughout the 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> centuries. In this course we will investigate how the British and various colonized peoples made the empire together. At the same time, we will study the various tensions and forces that made empire difficult and eventually impossible to sustain. Along the way, we will familiarize ourselves with various interpretations of imperialism, sample the empire's impact on art and literature, confront some of the moral dilemmas associated with the empire, and come to understand why the empire inspired such devotion and hatred among people throughout the world.

**385 Vietnam War**

This course focuses on American involvement in Vietnam from 1954 to 1975, though we will also discuss events before and after this period. Students should note that this is not a course in military history. We will discuss military events, but we will also take a broader view of the conflict. Topics will include the reasons for American intervention in Vietnam, the experiences of people involved in the conflict, the viability of the South Vietnamese state, the causes of America's defeat (and North Vietnam's victory), responses on the home front, the war in American memory, and political consequences of the war. The course will consist of lectures and discussions. Readings will include historical monographs, memoirs, primary sources, and literary materials.

**386 World War II**

This course will look at the people, forces, ideas, and weapons that made World War II possible. The class will start by looking at the origins of instability in both Europe and Asia. After surveying the social and political characteristics of the main belligerents, the course will study how conflict in Central Europe and Asia eventually developed into a global war. While covering the war years, the course will pay special attention to the strategies and diplomacy of the nations involved, the role of ideology in decision-making, the influence of new weaponry and tactics, the impact of war on civilians, the experience of combat among soldiers, and the great challenges imposed on states and societies by a total war of unprecedented scale.

### **390 Comparative Women's History**

This course explores the history of African, European and American women, comparing their experiences in war, politics, the legal system, capitalism and other aspects of society. This course stresses the benefits and pitfalls of comparative history, as well as the impact of gender on national and international developments.

### **391 The History of Southern Africa**

This course will explore the history of South Africa and its surrounding countries, touching on issues of racial identity, economic change, political ideologies and gender. Areas of particular focus include the relationship between Dutch and British settlers, the great Xhosa cattle-killing of 1857, the “mineral revolution” and migrant labor, and the development of the apartheid system. The course will use a variety of sources—including literature and film—to examine what makes Southern Africa a distinctive cultural, political and economic space.

### **392 Slavery and the Slave Trade in Africa**

This course seeks to introduce students to the debates surrounding the history of slavery in Africa. Did slavery in Africa predate the Atlantic Slave Trade? What impact did the Atlantic Slave Trade have on African communities? How did the Atlantic Slave Trade compare to other slave trades within and out of Africa? How were slavery and slave trading related to European dominance in Africa in the 19<sup>th</sup> century? These questions will be addressed using both primary source material and scholarly arguments from historians, anthropologists and sociologists.

### **399 Special Topics: Special Areas**

Topics to be arranged.

### **400 Independent Study**

### **475–476 Internship**

A student originated internship supervised by the history department with cultural, legal, and state agencies. Not credited to History major requirements.

### **480 Applied History Internship**

An internship in local historical or manuscript collections for history majors.

*Prerequisite: History 383*

### **481 Seminar in History Research**

A course in research methods. Students research their own topic, write a paper, and defend the research before the seminar.

### **489 Directed Reading Seminars**

Reading seminars provide upper level students with the opportunity to pursue a particular topic, selected by historical theme, epoch, or interpretation.

## AMERICAN STUDIES

### **AS100 Introduction to American Studies**

This course is intended to introduce students to the subject matter and methods of American Studies. It will examine the most common themes in the American experience, especially the intersection of race, class, and gender and their impact on what it means to be an “American.” This course also provides the interdisciplinary foundation that students will need to complete the American Studies major.

### **AS401 Independent Research**

Working closely with a member of the faculty affiliated with the American Studies major, students will write an independent guided research paper. The supervising faculty member will be chosen by the student in consultation with the chair of the History Department. In addition, successful completion of the research project will require the approval of a second reader from the American Studies related faculty, also chosen in consultation with the chair of the History Department.

## HUMANITIES

### **Director: Kevin M. Staley**

Lecturers: Jay Cormier, Mark W. Cronin, John Dillon, Elizabeth Dubrulle, Patricia Henking, Joseph M. Horton, Matthew Lomanno, Fiona Mills, Kenneth Walker, Graham L. Ward.

Faculty from the following Departments: Biology, Classics, English, Fine Arts, History, Modern Languages and Literatures, Philosophy, Politics and Theology.

All students participate in the Humanities Program, “Portraits of Human Greatness,” during their freshman and sophomore years and may elect further Humanities courses in their junior and senior years. Humanities does not offer a major program.

Through readings, lectures, seminars, and a varied program of films, concerts, exhibitions, and stage presentations, the Humanities Program seeks to confront the student with questions of value, moral choice, and the real significance of human life.

### **Humanities I and II: HU101-102 (required of all students)**

The first year consists of ten units, each a portrait of human greatness, which range from ancient Greece through the European Middle Ages. In examining these portraits, the student experiences diverse value systems and can face the questions of why and whether a given individual or portrait can be called “great.” Four credits, each semester.

The list of units is subject to ongoing evaluation and restructuring by the Humanities faculty. These ten portraits are currently offered in Humanities 101 and 102

The Warrior	The Convert
The Prophet	The Ruler
The Philosopher	The Townsman
The Citizen	The Poet
The Ancient Artist	The Teacher

### **Humanities III and IV: HU201-202 (required of all students)**

The second year consists of portraits of individuals arranged chronologically from the Italian Renaissance to the 20<sup>th</sup> century. Each individual, great in his or her own right, has far-reaching social, cultural, or political significance. Four credits, each semester.

Twelve individuals make up the current list of portraits in Humanities 201 and 202

Michelangelo	Charles Darwin
John Calvin	Leo Tolstoy
Queen Elizabeth I	Sigmund Freud
Adam Smith	Pablo Picasso
Thomas Jefferson	Albert Camus
Ludwig Van Beethoven	Martin Luther King, Jr.

**HU103-104 Conversatio****The Common Learning Experience At Saint Anselm College**

Rooted in the Benedictine vow that encourages conversion of life within community, *Conversatio* is the foundational shared learning experience for every Saint Anselm student. This year-long interdisciplinary course provides students with an intellectual orientation to studies in the Liberal Arts and acquaints them with the distinctive value of those studies within the Catholic Benedictine tradition. The first semester of *Conversatio* considers the meaning of humanity in the world by reading and discussing seminal texts that contemplate who we are as individuals, what our responsibility is within a community, and what our relationship is with the divine. Among fundamental intellectual ideas, students are introduced to the Catholic Benedictine intellectual tradition through the spiritual teachings in select readings of Saints Benedict and Anselm. In the second semester students are asked to consider three additional foundational areas of study central to the Liberal Arts: 1) Politics, rhetoric, and the emergence of democracy in human history; 2) The nature of science and the role of scientific understanding in our world; 3) The nature of beauty and the place of art in the lives of individuals and communities. As the common academic conversation orienting students to Saint Anselm College, *Conversatio* invites individuals to discover their intellectual place and voice within the Saint Anselm learning community by encouraging them to read critically, to contemplate significant questions about human existence, and to communicate their ideas to others with greater effectiveness and respect.

**Comparative Cultures**

The Humanities curriculum continues with elective courses, “Comparative Cultures.”

*Prerequisites: HU101, 102, 201, 202 or permission of instructor.*

**305 Paris and New York in the Twenties and Thirties**

Concentrates on a dramatic and clearly defined historical period in France and the United States, a period characterized by rupture with tradition on many levels of human activity. The decades after the First World War saw the values and premises of intellectual and cultural heritage challenged or discarded. The course will examine the criticisms leveled against traditional values and explore new principles for life and art which came into being during this period.

**306 Germany – U.S.A. Between the Wars**

Compares the cultures of Germany and the United States of America during the 1920s and 30s with emphasis on the literature and film of the period against the background of the failure of the Weimar Republic and the rise of National Socialism in Germany, as well as the Great Depression and the New Deal in the United States. The course format is lecture/seminar, supported by an integrated series of films, video tapes, slides, and readings.

**308 The United States and Russia**

Probes the conflict and convergence of the two dominant national cultures of our century through readings of source materials and reflective essays by contemporary scholars.

## LIBERAL STUDIES IN THE GREAT BOOKS

**Director: Dr. Robert D. Anderson**

The Liberal Studies in the Great Books Program, administered by the Philosophy Department, aims to bring about a fully integrated liberal education. Through the study of great works in the arts, literature, philosophy, science, and theology of Western Civilization, the program challenges students to seek out what is true, what is good, and what is beautiful, so that they may become wiser and better human beings. The program engages the abilities to think clearly, to write well, and to communicate persuasively. When developed, these abilities are applicable to a wide range of career options within the social, economic, and political world into which the student graduates.

In addition to pursuing an integrated understanding of a great range of human wisdom, this course of study has two other significant features. The first is an emphasis on discussion seminars rather than lecture classes. The second is the use of primary rather than secondary sources or textbooks.

Majors are required to take Great Books Seminars (GBS) 261, 262, 263, 264, 265, 266, and two preceptorials (Philosophy 467–469). In addition to Philosophy 105 Nature and the Human Person which is required of all students, majors must take Honors Ethics (PH107) and three additional courses in systematic philosophy: Formal Logic (PH321), Metaphysics (PH325) and Philosophy of Science (PH331). Majors must also successfully complete a Fine Arts elective (exclusive of studio courses) and two English Literature electives.

<b>Freshman Year</b>	Humanities I Freshman English 103 Science Language Fine Arts Elective	Humanities II Freshman English 104 Science Language GBS I-Greek
<b>Sophomore Year</b>	Humanities III Philosophy 105 Language GBS II-Roman Elective	Humanities IV Theology 100 Language GBS III-Medieval Elective
<b>Junior Year</b>	Philosophy 321 GBS IV-Renaissance Theology Elective English Elective Elective	Philosophy 107 GBS V-Modern Preceptorial English Elective Elective
<b>Senior Year</b>	GBS VI-Late Modern Theology Elective Philosophy 325 Elective Elective	Philosophy 331 Preceptorial Elective Elective Elective

## **LIBERAL STUDIES IN THE GREAT BOOKS MINOR**

The minor in Liberal Studies in the Great Books provides a variety of course options and a flexible sequence of study. The five courses capture well the point of reading classic texts and the opportunity to participate more fully in the ideal of liberal arts education. Accordingly, the minor is intrinsically interdisciplinary and horizon-expanding.

### **Required Courses:**

Three of the six Great Books seminars: PH261-266

One Preceptorial: PH467, 468, or 469

### **Select one from the following:**

A fourth Great Books seminar, a second Preceptorial, PH321 Formal Logic, PH325 Metaphysics, PH331 Philosophy of Science, an English Literature course, or a Fine Arts course in history, theory, or appreciation (no studio courses.)

### **Great Books Seminars**

The seminars provide a unique opportunity to participate in the study of the works of the major writers who have influenced the development of thought in the Western World.

#### **261 Great Books Seminar – Greek**

Selected readings are chosen from among the following: Homer, Aeschylus, Sophocles, Herodotus, Thucydides, Plato, Aristophanes, Plutarch, and Aristotle.

#### **262 Great Books Seminar – Roman**

Selected readings are chosen from among the following: Vergil, Lucretius, Cicero, Tacitus, Seneca, Plutarch, St. Augustine, and Plotinus.

#### **263 Great Books Seminar – Medieval**

Selected readings are chosen from among the following: Boethius, St. Augustine, St. Anselm, Beowulf, Dante, Song of Roland, St. Bonaventure, and St. Thomas Aquinas.

#### **264 Great Books Seminar – Renaissance**

Selected readings are chosen from among the following: Erasmus, Luther, Bacon, St. Thomas More, Machiavelli, Montaigne, Shakespeare, and Milton.

#### **265 Great Books Seminar – Early Modern**

Selected readings are chosen from among the following: Galileo, Hobbes, Descartes, Locke, Moliere, Hume, Kant, Swift, and Goethe.

#### **266 Great Books Seminar – Late Modern**

Selected readings are chosen from among the following: Madison, Hamilton, DeTocqueville, Hegel, Dostoevski, Kierkegaard, Nietzsche, Tolstoy, and Newman.

### **467-469 Preceptorial**

The preceptorial studies a single book or author. Each student chooses a topic pertinent to the material under discussion and, with the help of several individual conferences with the instructor, writes a long essay.

*Prerequisite: PH105*

Examples of Preceptorials are:

Aquinas	Dante: The Divine Comedy
Freud	Indian Philosophy
Plato: The Republic	Newman: The Idea of a University
On Friendship	Texts of Daoism
On Evil	The Life of Muhammad
Euclid: Geometry	

Courses which are not philosophical in content do not satisfy the College's three-course requirement in Philosophy. Consult the director.

## MATHEMATICS

### **Chairperson: Gregory R. Buck**

Professor: Gregory R. Buck; Associate Professors: Alexander Plyukhin, Stephen Shea.

The objectives of the Mathematics curriculum are: to develop the attitude of mind required for efficient use and understanding of mathematics; to enhance student ability to problem-solve with the aid of quantitative models; to use technology to provide stimulating opportunities for the student to experience mathematics independently as a pattern-seeking science; and to provide sufficient background for further studies in mathematics and related disciplines.

Requirements for the major include Mathematics 170-180, 210, 220, 330, 310, 430, 410, 420, 450, two mathematics or mathematics related electives, and a senior-year mathematics project.

<b>Freshman Year</b>	Humanities I Freshman English 103 104 Language Mathematics 170	Humanities II Freshman English Science Science Language Mathematics 180
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Mathematics 210 Elective	Humanities IV Philosophy/Theology Language Mathematics 220 Elective
<b>Junior Year</b>	Philosophy/Theology Mathematics 310 Mathematics 330 Elective Elective	Philosophy/Theology Mathematics 430 Mathematics Elective Elective Elective
<b>Senior Year</b>	Philosophy/Theology Mathematics 410 Mathematics Elective Elective Elective	Philosophy/Theology Mathematics 420 Mathematics 450 Elective Elective

## MATHEMATICS MINOR

The Mathematics department offers a minor field of concentration.

### **Required Courses:**

MA170 Calculus I  
MA180 Calculus II  
MA210 Calculus III

MA220 Vector Calculus and Differential Equations

MA310 Linear Analysis

One elective mathematics course

### **110 Basic Concepts of Mathematics**

A review course for students who wish to develop quantitative skills. Topics covered include: number systems, linear equations and inequalities, exponents, polynomial and rational expressions, polynomial equations, relations and functions. Not open to students with demonstrated quantitative skills.

### **130 Fundamentals of Mathematics**

A course in mathematical modelling. Topics include linear, quadratic, difference equation, linear programming, matrix, and stochastic models and their applications.

*Prerequisite: One year of high school algebra.*

### **150 The Nature of Mathematics**

A study of the nature and development of some of the most important mathematical ideas. Topics may include, but are not limited to: infinity, variation, symmetry, numbers and notation, topology, mathematics and calculating machines, dimension, coordinate systems, dynamical systems, randomness, and probability.

### **170–180 Calculus with Analytic Geometry I–II**

A study of the differentiation and integration of algebraic and transcendental functions with applications. Topics in analytic geometry include a study of conics. Four credits, each semester.

*Prerequisite: 2 years of high school algebra and a half year of trigonometry.*

### **210 Calculus III**

A continuation of Mathematics 170–180. Topics include infinite sequences and series, vectors and vector calculus, and multivariable calculus.

*Prerequisite: Mathematics 180*

### **220 Vector Analysis and Differential Equations**

A study of vector analysis and ordinary differential equations and their applications. Topics include vector fields, line and surface integrals, first order differential equations, linear differential equations, and systems of differential equations.

*Prerequisite: Mathematics 210*

### **260 Problem-Solving**

Via the solution of interesting problems, this course isolates and draws attention to the most important problem-solving techniques encountered in undergraduate mathematics. The aim is to show how a basic set of simple techniques can be applied in diverse ways to solve a variety of problems.

*Prerequisite: Mathematics 180*

**310 Linear Analysis**

A study of linear algebra with emphasis on its application to the solution of differential equations. Topics include linear systems, matrices, vector spaces, and linear transformations.

*Prerequisite: Mathematics 220*

**330–340 Mathematical Statistics**

A study of probability distributions and their application to statistical inference. Topics include probability, probability distributions, and parametric and non-parametric statistics.

*Prerequisite: Mathematics 210.*

**350 Introduction to Complex Variables**

Topics for discussion include complex numbers and their properties, analytic functions, integration in the complex plane, Cauchy's integral formula, Taylor and Laurent series, and methods of contour integration.

*Prerequisite: Mathematics 220*

**360 Modern Geometry**

An axiomatic approach to geometry including both Euclidean and non-Euclidean geometries.

**370 Introduction to Numerical Analysis**

A study of numerical methods for function evaluation, solution of equations, approximation and interpolation, integration, differential equations, and linear systems.

*Prerequisite: Mathematics 220*

**380 Operations Research**

A study of the fundamental ideas of operations research and the application of mathematics to decision problems. Topics include linear optimization models, the simplex method, network models, dynamic optimization of inventory scheduling, integer programming, combinatorial models, and optimization with a non-linear objective function.

**390 Combinatorics**

Modern combinatorics at an introductory level. Topics covered are: enumeration, equivalence relations, partitions and multisets, algebraic counting techniques, graph theory, matching and optimization, combinatorial designs and partially ordered sets.

**400 Independent Study****410–420 Advanced Calculus I – II**

Designed to bridge the gap between manipulative elementary calculus and theoretical real analysis. The fundamentals of elementary calculus are treated in a more rigorous manner. Point set topology is introduced and general theorems concerning continuity, differentiation, and integration on

the real line and in Euclidean  $n$ -space are proved. Sequences and series of constants, and sequences and series of functions are also covered.

*Prerequisite: Mathematics 210*

#### **430 Introduction to Modern Algebra**

A study of algebraic systems, including groups, rings, and fields.

*Prerequisite: Permission of the instructor.*

#### **450 History of Mathematics**

Introduction to the history and development of mathematics from prehistory to the present.

*Prerequisite: Mathematics 220.*

#### **480 Topics in Mathematics**

This course will consist of a detailed investigation of a topic important to contemporary mathematics. The topic will be chosen by the department for its relevance to current mathematical thought and its accessibility to students.

*Prerequisite: Mathematics 310 or permission of the instructor.*

#### **490 Internship**

## MATHEMATICS WITH ECONOMICS

### **Chairperson: Gregory R. Buck**

Requirements for the Mathematics with Economics major include Mathematics 170-180, 210, 220, 330, 340, 310, 410, 420, 450, Economics 141-142, 241, 242, 243 one additional economics elective, and a senior mathematics project.

<b>Freshman Year</b>	Humanities I Freshman English 103 104 Language Mathematics 170	Humanities II Freshman English Science Science Language Mathematics 180
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Mathematics 210 Economics 142	Humanities IV Philosophy/Theology Language Mathematics 220 Economics 141
<b>Junior Year</b>	Philosophy/Theology Economics 241 Mathematics 310 Mathematics 330 Elective	Philosophy/Theology Economics 242 Mathematics 450 Mathematics 340 Elective
<b>Senior Year</b>	Philosophy/Theology Mathematics 410 Economics 243 Elective Elective	Philosophy/Theology Mathematics 420 Economics Elective Elective Elective

## **MODERN LANGUAGES AND LITERATURES**

### **Chairperson: Elizabeth S. Fouts**

Professor: Teresa C. Mendez-Faith; Associate Professors: Elizabeth S. Fouts, Lourdes N. Jimenez, Nicole M. Leapley, Susanne M. Rossbach, Catherine A. Spitzer, Brother Andrew L. Thornton, O.S.B.; Assistant Professors: Julia Feldhaus, Caroline Wakaba Futamura, Jaime Orrego; Instructors: Carmen M. Sullivan, Eva S. Taber; Lecturers: Marigen Delgado, Gregory G. Hevey, Eileen Rabbath, Jessie Tsai, Renee E. Turner.

Native Speakers: Margot Amboni, Nadiya Babina, Lionel Content, Rina Ficek, Silvana Gomez, Mikaela Noreng, Maria Teresa Peguri, Monica Peguri, Robert Perreault, Sonia Urbina, Xiachong Zhao.

Language is an inherent part of the human condition. It is a fact of consciousness, a mode of being, an intentional and intellectual structuring of reality. Foreign language study engages the entire person. It improves understanding of one's own language through comparison and identification of linguistic structures. It increases intellectual capacity by exercising analytical and synthetic faculties: memory, attention, willpower, and self-discipline. It helps to exercise discrimination in the choice of words and to develop the ownership of a most valuable possession, a language sense, the feeling for correct form, for the exact word, for an elegant style; a skill that transfers into the student's daily use of English.

Through a two-year sequence of courses in Chinese, French, German, Russian or Spanish, emphasizing understanding, speaking, reading, and writing, the department seeks to develop linguistic skill and provide cultural enrichment. In addition to regular classes, students attend Native Speaker sessions once a week. The Native Speaker program complements classroom study of a foreign language by giving students the opportunity to use the target language in a setting that models real-life situations. In small groups that are relaxed and conducive to interaction, students develop their speaking and listening skills as they converse with one another and with a native speaker whose voice, vocabulary and cultural background help to provide a mini-immersion experience that can foster fluency and confidence in speaking the target language. During the junior year or during the summer, a student may take advantage of approved study abroad programs in Paris, Aix-en-Provence, Vienna, Madrid, Valencia, Granada, Geneva, Montreal, Lima, Mexico, Heidelberg, Saint Petersburg, Salzburg, and other cities.

The Modern Languages and Literatures Department has access to several study abroad programs for both majors and non-majors. For details, contact your language professor and the Education Abroad Office.

<b>Freshman Year</b>	Humanities I Freshman English 103 Science French/Spanish German Studies Elective	Humanities II Freshman English 104 Science French/Spanish German Studies Elective
<b>Sophomore Year</b>	Humanities III Philosophy/Theology French/Spanish German Studies Elective Elective	Humanities IV Philosophy/Theology French/Spanish German Studies Elective Elective
<b>Junior Year</b>	Philosophy/Theology French/Spanish French/Spanish German Studies Elective Elective	Philosophy/Theology French/Spanish French/Spanish German Studies Elective Elective
<b>Senior Year</b>	Philosophy/Theology French/Spanish French/Spanish German Studies Elective Elective	Philosophy/Theology French/Spanish French/Spanish German Studies Elective Elective

## FRENCH MAJOR

The Program of Concentration in French is designed to provide the student with a level of fluency applicable to a variety of professional situations and to give insight into the thought patterns of French culture.

Major requirements include oral and written control of the French language; adequate knowledge of historical, literary, and cultural values; ten semester courses (at least six in literature) beyond French 201-202 that meet departmental approval. At least five of the ten courses must be taken at Saint Anselm College.

Students interested in teaching French are required to successfully complete a French immersion program for at least one semester (or equivalent summer program) in order to receive a teaching certificate.

For a description of the interdisciplinary minor in French, see the section on interdisciplinary minors.

### **FR101-102 Elementary I - II**

A careful study of the fundamentals of the French language. Conversation with native speakers and online listening and speaking exercises are designed to reinforce class work in reading, writing, speaking, and listening.

The course requires three class meetings and one session of conversation with the native speaker each week for two semesters.

**FR201-202 Intermediate I - II**

A thorough review of grammar, exercises in composition, intensive readings and translations, and online listening and speaking exercises. The second semester emphasizes culture and civilization. The course requires three class meetings and one session of conversation with the native speaker each week for two semesters.

**FR301-302 Advanced Grammar and Composition I - II**

A thorough review of grammar, vocabulary-building and idioms, with exercises in composition, syntax, and stylistics. Students may take the full year course or choose FR301 or FR302 as stand-alone semester courses.

*Prerequisite: FR202*

**FR303 Conversation**

A course designed to develop oral fluency. Discussions are based on current events, themes, and films.

*Prerequisite: FR202*

**FR320 Culture and Civilization**

A study of France's past from a variety of perspectives. The role of key historical figures, the practices of various social groups, and artistic and political developments will be analyzed. Conducted in French.

*Prerequisite: FR202*

**FR321 Contemporary France**

With a view to better understanding the French and their role in the world; we will study contemporary France, including its institutions, cultural production, social practices, and worldview. Conducted in French.

*Prerequisite: FR202*

**FR325 Cinema**

An examination of French culture through film. Students will view, analyze, and discuss a great variety of French and francophone films. Conducted in French.

*Prerequisite: FR202*

**FR348 Selected Topics**

Topics to be arranged.

*Prerequisite: FR202*

**FR350-351 Survey of Literature I and II**

A general view of the main currents of French literature from the Middle Ages to the twentieth century. Conducted in French.

*Prerequisite: FR202*

**FR353 Short Story**

The theory and history of the French short story through readings and discussions which reflect a period of French literature, a common theme, or the short story in the Francophone world. Conducted in French.

*Prerequisite: FR202*

**FR354 Early Narrative Literature**

A study of Medieval and Renaissance narrative literature, pre-cursor to the modern novel. Conducted in French.

*Prerequisite: FR202*

**FR355 The Novel**

A study of the French novel from the 17th Century to the Present. Conducted in French.

*Prerequisite: FR202*

**FR356–357 Poetry I and II**

A study of French verse, designed to develop the student's appreciation of, and sensitivity to, poetic forms of expression. Conducted in French.

*Prerequisite: FR202*

**FR358–359 Theater I and II**

A study of French dramatic art in its major manifestations from the Middle Ages to the present. Conducted in French.

*Prerequisite: FR202*

**FR363 Seventeenth Century Literature: Age of Classicism**

A study and analysis of the classical authors and their works. Conducted in French.

*Prerequisite: FR202*

**FR365 Eighteenth Century Literature: Age of Enlightenment**

An examination of literature produced in France during the Enlightenment, a period of intensified scientific inquiry, public discourse, and religious tolerance which culminated in the first French and American republics. Conducted in French.

*Prerequisite: FR202*

**FR367 Nineteenth Century Literature: Age of Romanticism and Realism**

A study of the major movements, themes, and authors of nineteenth century French literature. Conducted in French.

*Prerequisite: FR202*

**FR371 Women Writers**

This course will introduce students to some of the major works and theories of French women writers. It will be taught as an overview or concentrate on a certain time period, theme, or author. Conducted in French.

*Prerequisite: FR202*

### **FR373 Francophone Literature**

This course will introduce students to the vast field of Francophone literature and culture. Students will discuss a variety of texts and films from many different countries of the French-speaking world, such as Canada, Africa, and the Caribbean. Conducted in French.

*Prerequisite: FR202*

### **FR400 Senior Seminar**

*Prerequisite: FR202*

### **FR448 Selected Topics**

Topics to be arranged.

*Prerequisite: FR202*

## **GERMAN STUDIES MAJOR**

German is the most spoken native language in the European Union, and the economic and cultural influence of Germany, Austria, and Switzerland is worldwide. Facility with the German language and familiarity with German culture and Weltanschauung are essential in today's globalized economy.

The Major in German Studies combines a strong foundation in German language with a range of study in allied disciplines. The major consists of 10 courses, five advanced courses in German language, including GR301 and GR302, and five from at least two other academic departments which center on the thought, art, history and achievements of people from German-speaking lands. At least five of the courses must be taken at Saint Anselm College.

For a description of the interdisciplinary minor in German, see the section on interdisciplinary minors.

### **GR100 German Language/Culture**

An intensive program of German language instruction at all levels, as well as full immersion into German culture, through summer programs at German universities. Saint Anselm course credit available upon completion of a written and oral exam at Saint Anselm.

*Prerequisite: GR202.*

### **GR101-102 Elementary German I - II**

A careful study of the fundamentals of the German language. Conversation with native speakers and use of audio CDs are designed to reinforce classwork in reading, writing, speaking, and understanding. This course involves three class meetings and one session of conversation weekly for two semesters.

### **GR201-202 Intermediate German I - II**

A thorough review of grammar, exercises in composition, intensive readings and translations, and use of audio CDs. The second semester is

a survey of historical, as well as current culture and civilization of German-speaking countries. This course requires three class meetings and one session of conversation with the native speaker each week, plus the use of supplemental tapes, slides and film.

*Prerequisite: GR102 or equivalent*

### **GR301–302 Advanced German I – II**

Primary emphasis is placed on the development of written and spoken German through discussion and written treatment of contemporary German press articles and modern German fiction. Use of audio CDs and advanced grammar are included.

*Prerequisite: GR202*

### **GR 320 Tales of the Brothers Grimm**

In this course, students will read in German some of the best known and least known of the Grimm Brothers' tales. They will learn some of the ways Märchen can be analyzed, understood and retold, and see how some the Märchen are treated in contemporary media. Grammar and vocabulary of the texts will be attended to, as needed.

### **GR321 Business German**

While reviewing German grammar, this course considers the usages of German business and economic terminology, and language forms. Students will read, translate, and compose German business letters, read and analyze business news and advertisements in the German press, and experience interview situations. The course will also focus on the position of the Federal Republic of Germany in the European, American, and world economic community, and on career opportunities in German business.

*Prerequisite: GR301*

### **GR322 Contemporary German Storytellers**

This course, conducted in German, seeks to help students realize three goals: to read a representative selection of the short prose literature of contemporary German-speaking authors, to analyze their various narrative techniques, and to become aware of the political and social concerns which they voice from their unique vantage point in Middle Europe. Works include stories of Bichsel, Boell, Grass, Handke, Wolf, and others.

*Prerequisite: GR301*

### **GR323 Translating German Prose**

This course, conducted in German and in English, introduces students to the science and the art of translating. Texts come from a variety of sources: history, philosophy, fine arts, biography, as well as from newspapers and web pages. Students will evolve strategies for dealing with difficult constructions and for using dictionaries effectively.

*Prerequisite: GR301*

### **GR324–325 Special Topics in German**

Topics to be arranged.

## RUSSIAN

For a description of the interdisciplinary minor in Russian Area Studies see the section on interdisciplinary minors.

### **RU101-102 Elementary Russian I - II**

A study of the fundamental structure of the language with vocabulary development, practice in reading, writing, and conversation. The course involves three class meetings and one session of conversation with the native speaker each week, for two semesters.

### **RU201-202 Intermediate Russian I - II**

An intensive review of basic grammar with spoken and written exercises including a study of idioms and training in modes of expression. The course requires three class meetings and one session of conversation with the native speaker each week, for two semesters.

### **RU129 Russian Literature in Translation**

A study, in English translation, of important writings by major 19th and 20th century Russian authors from Pushkin to the present. The readings focus on short story, novel and drama rather than poetry. Lectures supply a detailed look at social and political events which helped shape the literature. Knowledge of Russian is not required.

### **RU300-301 Special Topics in Russian**

Topics to be arranged.

### **RU350 Independent Study**

## SPANISH MAJOR

The Program of Concentration in Spanish is designed to provide the student with a level of fluency applicable to a variety of professional situations and gives the student insight into the thought patterns of Spanish and Spanish-American culture.

Major requirements include oral and written control of the Spanish language; familiarity with all periods of Spanish and Spanish-American literature, and basic understanding of the historical and cultural development of Spain and Spanish America. A minimum of ten semester courses beyond Spanish 201-202 are required and must include: Advanced Spanish Grammar and Composition (SP301-302), Introduction to Spanish and Spanish-American Literature (SP357-358) and at least two additional literature courses (one in Spanish and one in Spanish-American literature). Because of the comprehensive nature of the survey courses (SP357-358), these two courses would normally be taken at Saint Anselm College. At least five of the ten courses must be taken at Saint Anselm College.

Spanish majors interested in teaching Spanish are required to successfully complete a Spanish immersion program for at least one semester (or equivalent summer program) in order to receive a teaching certificate.

For a description of the interdisciplinary minor in Spanish, see the section on interdisciplinary minors.

**SP101-102 Elementary Spanish I - II**

A careful study of the fundamentals of the Spanish language, including conversation with native speakers and laboratory work to reinforce class reading, writing, speaking, and understanding. The weekly requirements are three class meetings and one session of conversation with a native speaker, for two semesters.

**SP201-202 Intermediate Spanish I - II**

A thorough review of grammar, exercises in composition, more intensive readings, and correlated laboratory work. The second semester places somewhat greater emphasis on culture and civilization. This course's weekly requirements include three class meetings and one session of conversation with a native speaker, and the use of supplemental slides, audio and video material.

*Prerequisite: SP102 or equivalent*

**SP301 Advanced Spanish: Grammar**

This course is designed to maintain and perfect the four main skills of language learning with emphasis on listening, writing, and reading. This thorough review of grammar allows students to synthesize and polish their skills through exercises, varied readings, and oral presentations.

*Prerequisite: SP202 or equivalent*

**SP 302 Advanced Spanish: Composition**

This course is designed to maintain and perfect the four main skills of language learning with emphasis on composition. Students are required to master a variety of writing genres, while perfecting syntax, semantics, and morphology in Spanish.

*Prerequisite: SP301 or equivalent*

**SP353 Advanced Spanish Conversation**

This course is designed to further develop and improve oral fluency through discussion of contemporary items from the Hispanic press as well as other media. The class also includes frequent oral presentations and reports based on current themes and extemporaneous speaking on assigned topics.

*Prerequisite: SP301 or equivalent.*

**SP355 Introduction to Spanish Culture and Civilization**

A study of the origins and development of the Spanish civilization which examines the development of modern Spain as the cumulative result of external and internal geographical, historical, and cultural factors. The course will provide a context in which to better understand the literary evolution studied in the upper-level literature courses. Conducted in Spanish.

*Prerequisite: SP301 or equivalent.*

**SP356 Introduction to Latin-American Culture and Civilization**

A study of Latin-American culture from its origins to the present time, emphasizing the contemporary situation, the transformation of Latin-American societies, their present problems and dilemmas as reflected in their artistic and cultural output. Conducted in Spanish.

*Prerequisite: SP301 or equivalent.*

**SP357 Introduction to Spanish Literature**

A survey course, conducted in Spanish, considers the general development of Spanish literature from the earliest times to the present.

*Prerequisite: SP301 or equivalent.*

**SP358 Introduction to Spanish-American Literature**

A survey course, conducted in Spanish, considers development of Spanish-American literature from the earliest times to the present.

*Prerequisite: SP301 or equivalent.*

**SP361 Spanish Literature before 1700**

A comprehensive survey, conducted in Spanish, studies the origins and development of Spanish prose, poetry, and drama from the Middle Ages up through the Siglo de Oro.

*Prerequisite: SP301 or equivalent.*

**SP362 18th and 19th Century Spanish Literature**

A study, conducted in Spanish, of the evolution of Spanish prose, poetry and drama from the close of the Golden Age through 19th century realism and romanticism.

*Prerequisite: SP301 or equivalent.*

**SP363 Contemporary Spanish Literature**

This course, conducted in Spanish, involves reading, analysis, and discussion of selected, representative works of 20th century Peninsular Spanish poetry, prose, and drama. Works are viewed in literary context but critical assessment of individual texts is stressed.

*Prerequisite: SP301 or equivalent.*

**SP364 Colonial Through 19th Century Spanish-American Literature**

A critical reading and discussion of selected texts, conducted in Spanish, ranging from Columbus' Diario to works by Ruben Dario and other representatives of the Spanish-American "modernista" movement. Although emphasis is placed on the texts themselves, an attempt is made to delineate the socio-historical and literary contexts wherein they originated.

*Prerequisite: SP301 or equivalent.*

**SP365 Modern Spanish – American Literature**

A study, conducted in Spanish, of the major patterns of thematic and formal development in the literature of Spanish America, concentrating on the individual study of selected texts written between 1900 and 1950.

*Prerequisite: SP301 or equivalent.*

**SP366 Contemporary Spanish-American Literature**

A critical reading and assessment of the more recent Spanish-American literature (1950–present) in the light of modern theory and criticism. Conducted in Spanish.

*Prerequisite: SP301 or equivalent.*

**SP367 Hispanic Short Story**

This course, conducted in Spanish, traces the development of the Hispanic short story from its beginning to the present. Although it moves from the didactic tone of El Conde Lucanor to the magic realism of current Latin-American Writers, emphasis is placed on the output of the 20th and 21st centuries.

*Prerequisite: SP301 or equivalent.*

**SP368 Problems in Spanish and Spanish-American Culture and Civilization**

An investigation of selected issues crucial to the understanding of the Hispanic world. It is offered as required. Conducted in Spanish.

*Prerequisite: SP301 or equivalent.*

**SP371–372 Selected Topics in Spanish**

Topics to be arranged.

*Prerequisite: SP301 or equivalent.*

**SP400–401 Spanish Senior Seminar**

Selected topics.

*Prerequisite: SP301 or equivalent.*

**SP 450 Independent Study**

**SP480 Spanish Internship**

A student originated internship with Spanish speaking agencies: governmental, cultural, health care, law enforcement and non profit organizations; supervised by a member of the Spanish section. All work to be done in the target language of Spanish. The student must demonstrate advanced level proficiency before beginning the internship. The intern must comply with the guidelines and policies as established by the Office of Internships.

*Prerequisite : SP302 or equivalent*

## **SPANISH MINOR**

The Modern Languages and Literatures Department awards a minor in Spanish to full-time degree-candidates.

The requirements of the minor are:

1. Five courses in the Spanish language beyond the intermediate level.
2. Two of the courses must be in literature or culture.
3. Students must strike a balance between Spanish and Spanish American literature and culture courses.
4. Two of the five courses can be taken at other institutions and transferred to the minor. Courses taken at another institution must be pre-approved by the director of the Spanish minor in order to count for the minor.
5. A minimum average of “C+” must be earned in the five courses for certification. No course will be accepted in which a grade below “C” is assigned.

## **CHINESE**

### **CN101-102 Elementary Chinese I - II**

An introduction to spoken Mandarin and written Chinese providing a foundation in speaking, listening, reading, writing and communication skills. The course involves three class meetings and one session of conversation with the native speaker for two semesters.

### **CN201-202 Intermediate Chinese I - II**

A thorough review of grammar, exercises in composition, intensive reading and translations. The course requires three class meetings and one session of conversation with the native speaker each week for two semesters.

### **CN300-301 Special Topics in Chinese**

Topics to be arranged

### **CN350 Independent Study**

## NATURAL SCIENCE

Natural Science is an interdisciplinary major combining mathematics with the physical and biological sciences. It is designed to offer maximum flexibility and scope for an individual's interest within the sciences, while also providing opportunities to investigate other disciplines. Students planning to attend a graduate or professional school should include organic chemistry among their courses of study.

Each student, in consultation with an advisor, will select a series of courses to provide preparation for individual goals or interests. Students majoring in Natural Science are required to take Biology 103-104, Chemistry 130-131, Physics 121-122. The student is also required to complete successfully six additional courses from the Departments of Biology, Chemistry, Computer Science, Mathematics, Physics or Psychology. Note: CH110-111, CH120-121, and PS111-112 do not count as electives for the Natural Science major.

Since scientific research is an important aspect of an education in science, Natural Science majors are encouraged to replace one of the six required courses with one of the following:

- (1) under the direction of a faculty member, participate in Directed Research (BI421-422 or BI423);
- (2) develop, with direction from the Internship Facilitator, an individual internship program (BI451 and/or 452);
- (3) participate in the Washington Internship Program (BI450); or
- (4) participate in Research and Seminar I and II (CH420-421).

<b>Freshman Year</b>	Humanities I Freshman English 103 Language Biology 103 Chemistry 130	Humanities II Freshman English 104 Language Biology 104 Chemistry 131
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Science/Mathematics Elective	Humanities IV Philosophy/Theology Language Science/Mathematics Elective
<b>Junior Year</b>	Philosophy/Theology Physics 121 Science/Mathematics Elective Elective	Philosophy/Theology Physics 122 Science/Mathematics Elective Elective

<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	Biology 421/Chemistry 420	Biology 422/ Chemistry 421
	Elective	Elective
	Elective	Elective
	Elective	Elective

See Biological Sciences Overview (starting on p. 45) for additional information.

## PEACE AND JUSTICE STUDIES

### **Director: Dennis M. Sweetland**

Professors: Peter J. Cordella (Criminal Justice), Dennis W. MacDonald (Sociology), Elaine M. Rizzo (Criminal Justice), Dennis M. Sweetland (Theology); Associate Professors: Loretta C. Brady (Psychology), Daniel Daly (Theology), Jennifer C. Lucas (Politics), Ahida Pilarski (Theology); Assistant Professor: Sara Smits Keeney, (Sociology).

The interdisciplinary Peace and Justice Studies major prepares students with the theoretical and practical knowledge and critical thinking skills needed to help shape a more just and peaceful world. Courses familiarize students with the major ideas, concepts, and theories of peace and justice; detailed knowledge of problems, issues and challenges such as poverty, racism, and war; and various approaches to solutions.

Requirements for the program include five core courses which provide an introduction to major themes (PJ101), a theoretical overview (PJ301, 302), research skills (SO211 or PO203, or CJ202) and a senior capstone (PJ400). In consultation with her/his advisor, the student will select a minimum of six elective courses developed around a major theme (e.g. international conflict, conflict resolution, social inequality, gender or race, etc.). These will include a minimum of two descriptive courses and two normative/theoretical courses. In addition, students will immerse themselves in the issues of peace and justice through an experiential component involving service learning, internships, and/or study-abroad in appropriate settings.

### **Elective Courses, Peace and Justice Major (6 courses)**

Students will complete a minimum of six of the following electives. At least two must be selected from the Descriptive courses and at least two from the Normative/Theoretical.

### **Descriptive**

Courses seen as descriptive are those that primarily involve the empirical study of the economic, political, social, and cultural realities of society, and the historical events that produce them.

BI205	Biosphere at Risk
BI328	Conservation Biology
CH120	Chemistry and Society
CH260	Environmental Chemistry
CJ102	Comparative Models of Justice
CJ/SO221	Deviance & Social Control
CJ223	White Collar Crime
CJ231	Juvenile Justice System
CJ350	Victims of Crime and Social Injustice
CJ361	Women & Crime
CJ367	Special Topics (Some would be appropriate – subject to approval of program director)
EC222	Women and Men in Business
EC245	Labor Economics

- EC343 History of Economic Thought
- GE212 Cultural Geography
- GE221 Economic Geography
- HIXXX Any history appropriate to the student's major theme – selected in consultation with advisor.
- PO106 International Relations
- PO214 International Law
- PO224 International Organizations: United Nations
- PO230 The Politics of Rich and Poor States
- PO248 Public Policy Process
- PO250 Gender and Politics
- PO353 Politics of Diversity
- PY209 Political Psychology
- PY211 Cross Cultural Psychology
- SO204 Sociology of Aging, Dying and Death
- SO206 Social Problems
- SO230 Social Movements
- SO255 Social Welfare: Poverty & Public Policy
- SO309 Gender & Society
- SO330 Race & Ethnic Relations
- SO332 Peace, Conflict and War
- SO333 Sociology of Genocide
- SO334 Global Society
- SO335 Law & Society
- SO342 Social Stratification: Structures of Social Inequality
- SO343 Economy & Society
- SO351 Special Topics (Some would be appropriate – subject to approval of program director)

### **Normative/Theoretical**

Courses seen as normative/theoretical primarily use models and theories to draw conclusions from past and present experience. They usually involve a moral judgment on existing societies; study of alternative possibilities; and analysis of the moral values at stake.

- CJ 201 Theories & Practice of Punishment
- CJ 225 Law in Theory & Practice
- PH: Integrated Studies Seminar: Social Justice
- PH240 19<sup>th</sup> Century Philosophy
- PH332 Political Philosophy
- PH333 Business Ethics
- PH335 Philosophy of Law
- PH343 Marxism
- PH450 Philosophy Seminar (Some would be appropriate-subject to approval of program director)
- PH455 Integrated Studies Seminar (Some would be appropriate-subject to approval of program director)
- PO275 Human Rights
- PO347 Justice and War in International Relations
- PO356 Liberalism, Pluralism, and Community

- PO442 Selected Topics (depending on the appropriateness of the course)
- PO359 Contemporary Christian Political Thought
- PO201 The Problem of Liberty
- SO325 Social Theory
- TH354 Liberation Theology
- TH372 Christian Social Ethics
- TH369 Special Topics (Some would be appropriate-subject to approval of program director)

**Experiential Learning**

Integrative learning is a key feature of the Peace and Justice Studies major. Its aim is to provide students with the opportunity to combine insights from different disciplines so as to develop a broad understanding of the integrated nature of peace and justice; to explore how their own serious questions about faith, peace and justice are related to concrete work for peace and justice.

In matters of peace and justice, integrative learning cannot occur without a significant focus on experience and the concrete. Through both individual and communal service learning experiences, students will engage in an “Experiential Learning Cycle” providing a framework for understanding the nuances and complexities of issues of peace and justice.

The integrated experiential component must be broadly related to the student’s senior thesis project. Additional experiential learning may include service learning, communal service projects for majors in the local community or in international experiences (i.e. Peru summer program).

Students interested in the Peace and Justice Studies major must complete one of the following experiential learning components:

1. Service Learning in TWO of the Peace and Justice Studies major courses  
OR
2. an internship OR
3. a program of international study or urban immersion OR
4. an alternative experiential component as approved by the program director.

**Recommended Course sequence for Peace and Justice Studies majors:**

<b>Freshman Year</b>	<b>Fall</b>	<b>Spring</b>
	Humanities I	Humanities II
	Freshman English: EN103	Freshman English: EN104
	Science	Science
	Language	Language
	PJ 101	PJ 301

<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language PJ 302 Elective	Humanities IV Philosophy/Theology Language SO211/PO203/J202 Elective
<b>Junior Year</b>	Philosophy/Theology Major Elective Major Elective Elective Elective	Philosophy/Theology Major Elective Major Elective Elective Elective
<b>Senior Year</b>	Major Elective Major Elective Elective Elective Elective	PJ 400 Elective Elective Elective Elective

### **PEACE AND JUSTICE STUDIES MINOR**

The Peace and Justice Studies minor is an interdisciplinary program that prepares students with the theoretical and practical knowledge and critical thinking skills needed to help shape a more just and peaceful world. Courses familiarize students with the major ideas, concepts, and theories of peace and justice; detailed knowledge of problems, issues and challenges such as poverty, racism, and war; and various approaches to solutions.

#### **Courses for the minor (5-7):**

- A minor in Peace & Justice Studies consists of 6 courses
- There are two required courses: PJ101 (Introduction to Peace & Justice Studies) and PJ301 (Theories of Peace & Justice)
- Of the 4 electives, at least one must come from courses we have called Descriptive (those that primarily involve the empirical study of economic, political, social, and cultural realities of society, and the historical events that produce them. See below) and at least one must come from courses we have called Normative/Theoretical (those that primarily use models and theories to draw conclusions from past and present experience. They usually involve a moral judgment on existing societies; study of alternative possibilities; and analysis of the moral values at stake. See below).
- The remaining two electives are free electives, but normally should be courses from the Descriptive list, the Normative/Theoretical list, or PJ302 (Conflict Resolution).

No more than two elective courses may be taken from the same department.

## Free Electives

### Descriptive Courses

- BI205 Biosphere at Risk
- BI328 Conservation Biology
- CH120 Chemistry and Society
- CH260 Environmental Chemistry
- CJ102 Comparative Models of Justice
- CJ/SO221 Deviance & Social Control
- CJ223 White Collar Crime
- CJ231 Juvenile Justice System
- CJ350 Victims of Crime and Social Injustice
- CJ361 Women & Crime
- CJ367 Special Topics (Some would be appropriate – subject to approval of program director)
- EC222 Women and Men in Business
- EC245 Labor Economics
- EC343 History of Economic Thought
- GE212 Cultural Geography
- GE221 Economic Geography
- HIXXX Any history appropriate to the student's major theme – selected in consultation with advisor.
- PO106 International Relations
- PO214 International Law
- PO224 International Organizations: IO United Nations
- PO230 The Politics of Rich and Poor States
- PO248 Public Policy Process
- PO250 Gender and Politics
- PO353 Politics of Diversity
- PY209 Political Psychology
- PY211 Cross Cultural Psychology
- SO204 Sociology of Aging, Dying and Death
- SO206 Social Problems
- SO230 Social Movements
- SO255 Social Welfare: Poverty & Public Policy
- SO309 Gender & Society
- SO330 Race & Ethnic Relations
- SO332 Peace, Conflict and War
- SO333 Sociology of Genocide
- SO334 Global Society
- SO335 Law & Society
- SO342 Social Stratification: Structures of Social Inequality
- SO343 Economy & Society
- SO351 Special Topics (Some would be appropriate – subject to approval of program director)

### **Normative/Theoretical Courses**

- CJ201 Theories & Practice of Punishment
- CJ225 Law in Theory & Practice
- PH: Integrated Studies Seminar: Social Justice
- PH240 19<sup>th</sup> Century Philosophy
- PH332 Political Philosophy
- PH333 Business Ethics
- PH335 Philosophy of Law
- PH343 Marxism
- PH450 Philosophy Seminar (Some would be appropriate-subject to approval of program director)
- PH455 Integrated Studies Seminar (Some would be appropriate-subject to approval of program director)
- PO275 Human Rights
- PO347 Justice and War in International Relations
- PO356 Liberalism, Pluralism, and Community
- PO442 Selected Topics (depending on the appropriateness of the course)
- PO359 Contemporary Christian Political Thought
- PO201 The Problem of Liberty
- SO325 Social Theory
- TH354 Liberation Theology
- TH372 Christian Social Ethics
- TH369 Special Topics (Some would be appropriate-subject to approval of program director)

### **101 Introduction to Peace and Justice**

This course introduces the study of peace and justice from an interdisciplinary perspective.

Topics include: violence, refugees, peace-building, and others

### **301 Theories of Peace and Justice**

This course is a survey of major theories of peace and justice from the perspectives of philosophy, theology, sociology, and politics. Emphasis may include ancient Greek philosophy, biblical, liberation theories, contemporary theories justice, Catholic social tradition and others.

### **302 Introduction to Conflict Resolution**

This course provides an introduction to the study of conflict and its resolution by exploring the basic theoretical concepts of the field. Students will also learn and practice skills for intervening and resolving conflicts.

### **400 Senior Seminar**

The senior seminar course will focus on readings and discussion on topics in peace and justice studies. Each student in consultation with the instructor and other seminar participants will select a topic based on previous work in the major. Appropriate reading and discussion questions will be assigned for each of the topics. Students will prepare and present a seminar paper and lead discussion on their individual topic.

## PHILOSOPHY

### **Chairperson: Montague Brown**

Professors: Robert D. Anderson, Robert M. Augros, Montague Brown, Susan Krantz Gabriel, James M. Mahoney, Joseph S. Spoerl, Kevin M. Staley; Associate Professors: David M. Banach, Sarah Glenn, Thomas R. Larson, Max J. Latona; Assistant Professors: Kyle Hubbard, Joshua L. Tepley.

The study of philosophy is an indispensable part of a liberal education. In its critical function, philosophy teaches students to analyze arguments and to assess the value of various claims of knowledge. In its systematic function, it develops an integral view of the world, with a special focus on the human person and with final reference to God as the highest cause. In its ethical function, philosophy presents an account of the rational principles which ought to guide one's moral life. Accordingly, the Philosophy program endeavors to sharpen students' critical skills, integrate their knowledge of reality, and assist them in living a more rational and more worthy life.

All students take 3 courses in philosophy: Nature and the Human Person, Ethics, and a philosophy elective. Students who major in philosophy follow a program in the history of philosophy and in the major branches of systematic philosophy. This is usually a three-year program, but students who become majors at the end of their Sophomore year will be able to complete their requirements. After graduation, many philosophy majors attend law school or graduate school; others pursue employment in a variety of capacities, such as managerial positions in business and government.

Majors are required to take 10 courses in philosophy, including the histories of ancient, medieval, modern, and contemporary philosophy, Nature and the Human Person, Formal Logic, Honors Ethics, Metaphysics, Philosophy of Science, and Philosophy Seminar. In addition, majors must select two Seminars in Liberal Studies in The Great Books.

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Language	Language
	Science	Science
	Philosophy 105 or Elective	Elective
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Language	Language
	Philosophy 211	Philosophy 212
	Philosophy 105 or Elective	Philosophy 321
	Theology	Elective

<b>Junior Year</b>	Philosophy 213 Philosophy 107 Great Books Seminar Elective Elective	Philosophy 214 Theology Great Books Seminar Elective Elective
<b>Senior Year</b>	Philosophy 325 Theology Elective Elective Elective	Philosophy 331 Philosophy 450 Elective Elective Elective

### **PHILOSOPHY MINOR**

The minor in Philosophy is designed to complement other interests for the student whose major is not Philosophy and who desires to increase his or her philosophical understanding and background.

#### **Required Courses:**

PH105 Philosophy of Nature and the Human Person

PH107 Ethics

#### **Choose at least one from the following:**

PH211 Ancient Philosophy; or PH212 Medieval Philosophy; or

PH213 Modern Philosophy.

Three further courses are to be chosen by the student in consultation with a member of the philosophy department who has agreed to serve as the student's adviser for the minor in philosophy. These courses should provide a focus for the minor, for instance, on history of philosophy, or on some aspect of value theory (ethics, aesthetics, political philosophy), or on speculative philosophy. In exceptional cases, with sufficient rationale provided by the student, one non-philosophy course may be accepted in fulfillment of requirements for the philosophy minor, provided that course does not also count toward the student's major.

#### **104 Philosophical Inquiry**

An elective course for freshmen who wish to explore the field of philosophy, introducing them to the method and topics of philosophical study.

#### **105 Nature and the Human Person**

An introduction to the traditional topics of speculative philosophy, pertaining to nature, the human person, and God.

#### **107 Ethics**

A presentation of the rational principles of moral conduct, with application to specific cases; includes discussion of major ethical theories.

*Prerequisite: PH105*

### **211 Ancient Philosophy**

A survey of Western philosophy from its pre-philosophical beginnings to the closing of the Academy in 529 A.D., including the Presocratics, Plato, Aristotle, and the Hellenistic philosophers.

*Prerequisite: PH105*

### **212 Medieval Philosophy**

A survey of the major medieval thinkers, including Augustine, Anselm, Thomas Aquinas, Bonaventure, and John Duns Scotus.

*Prerequisite: PH105*

### **213 Modern Philosophy**

The history of philosophy from Descartes to Kant, with emphasis on epistemological and metaphysical issues.

*Prerequisite: PH105*

### **214 Contemporary Philosophy**

A survey of Western philosophy from Hegel to 1970. Emphasis may vary among the following topics: British idealism; Anglo-American philosophy; Continental philosophy; phenomenology; existentialism.

*Prerequisite: PH105*

### **240 Nineteenth Century Philosophy**

A survey of philosophy in the 19th century, including treatment of Hegel, Marx, Kierkegaard, and Nietzsche.

*Prerequisite: PH105*

### **308 Ethics Tutorial**

A textual study and discussion of several major works in ethical theory: Nicomachean Ethics (Aristotle); Treatise on Law (Thomas Aquinas); Inquiry Concerning the Principles of Morals (Hume), and Foundations of the Metaphysics of Morals (Kant).

*Prerequisite: PH105*

### **320 Critical Thinking**

A study of logical methods of analysis involved in the critical evaluation of arguments, technical prose, and in problem solving. Covers basic formal methods in classical and propositional logic, fallacies, and argument forms of ordinary language, scientific and causal reasoning, and systematic methods of problem solving.

### **321 Formal Logic**

A critical study of deductive reasoning, including classical syllogistic logic, statement logic, and predicate logic, as well as formal and informal fallacies.

### **322 Epistemology**

A study of the different views of the nature and value of the modes of knowledge, with an attempt to formulate an adequate critical theory.

*Prerequisite: PH105*

### **323 Philosophy of Education**

An examination of classical and modern theories of education, focusing on the nature and purpose of learning and teaching, with application to current policies in the United States.

*Prerequisite: PH105*

### **324 Philosophy of Mind**

A philosophical study of the human person, including issues regarding the soul, consciousness, cognitive functions, and freedom.

*Prerequisite: PH105*

### **325 Metaphysics**

A discussion of the basic metaphysical conceptions of Western philosophy through a historical and systematic analysis. Major attention is given to Plato, Aristotle and Thomas Aquinas.

*Prerequisite: PH105*

### **326 Philosophy of God**

A study of the fundamental philosophical questions regarding the existence and nature of God, our knowledge of God, and the character of religious belief.

*Prerequisite: PH105*

### **331 Philosophy of Science**

An inquiry into the nature, method, and significance of scientific knowledge.

*Prerequisite: PH105*

### **332 Political Philosophy**

A study of the nature of political order, with particular emphasis on the connections between ethics and politics.

*Prerequisite: PH105*

### **333 Business Ethics**

An examination of ethical issues in business, including management/employee relations, social justice, advertising, the environment, and the moral responsibilities of multinational corporations.

*Prerequisite: PH105 and PH107*

### **334 Philosophical Issues in Management**

An examination of the philosophy of leadership, authority, work, motivation, wealth, freedom, and other issues related to a free-market economy.

*Prerequisite: PH105*

### **335 Philosophy of Law**

A study of theories of law, including the nature of law, legal systems, law and morality, theories of punishment, and jurisprudence.

*Prerequisite: PH105*

### **336 Aesthetics**

A study of the major philosophical theories of art.

*Prerequisite: PH105*

### **338 Contemporary Images of Human Life**

A study of some of the influential 20th century visions of individuals and society as found in fiction and in philosophical treatises.

*Prerequisite: PH105*

### **341 American Philosophy**

A study of the most influential American thinkers from the colonial intellectual to the philosophers of the American Golden Age and the current period.

*Prerequisite: PH105*

### **342 Existentialism**

A survey of the existentialist philosophers, focusing on such issues as the meaning of existence, anxiety, individuality, authenticity, and the confrontation with death.

*Prerequisite: PH105*

### **343 Marxism**

A study of the philosophical writings of Hegel, Marx, Engels, and Lenin, followed by an examination of Marxism-Leninism and other related trends.

*Prerequisite: PH105*

### **344 Scientific World Views**

An investigation of the contrasting world views of 19th and 20th century science with a focus on their philosophic implications.

*Prerequisite: PH105*

### **345 Modern Christian Philosophers**

A discussion of the works of prominent 19th and 20th century Christian philosophers, including S. Kierkegaard, J. H. Newman, J. Maritain, C. S. Lewis, E. Gilson, J. Pieper and others.

*Prerequisite: PH105*

### **346 Confucian Thinkers**

Through central texts of the Confucian tradition, the course introduces students to patterns of thought, vocabulary, and argumentation that characterized the thought of Confucius and his followers. The views of Confucius, Mencius, Xunzi and others will be the basis for coming to understand the way of thinking embodied in one of the world's most important and widespread traditions.

*Prerequisite: PH105*

### **400 Independent Study**

### **450–452 Philosophy Seminar**

A seminar required of all philosophy majors. It may also be taken by non-majors. Students prepare and deliver research papers on a topic chosen annually by department members.

*Prerequisite: PH105*

### **455, 456, 457 Integrated Studies Seminars**

*Prerequisite: PH105*

### **480 Philosophy Internship**

Student-originated internships, supervised by the Philosophy Department, with some connection to philosophical issues. For Philosophy majors only; not credited to Philosophy major requirements.

Additional Philosophy courses are found under the Liberal Studies in the Great Books Major.

## PHYSICS

### **Chairperson: David V. Guerra**

Professor: David V. Guerra; Associate Professor: Ian T. Durham, Assistant Professor: Jeffrey W. Schnick; Laboratory Instructor: Kathleen Shartzler.

The ideas of physics have a profound significance for anyone who would think about nature and its intelligibility. The department offers a sequence of courses that provides an opportunity for students to study the models, theories, and laws that have been developed in an attempt to describe the physical universe. In addition to serving the general liberal arts education, the department offers majors in physics, applied physics, and engineering physics (3-2 engineering program). The department also offers minors in physics and engineering science.

### **The Physics major consists of the following required courses:**

PS131-132 Classical Physics I & II  
 PS231 Modern Physics  
 PS242 Dynamics  
 PS346 Thermodynamics  
 PS380 Electricity and Magnetism  
 PS383 Quantum Mechanics  
 PS386 Mathematical Methods of Physics  
 PS449\* Topics in Physics  
 PS451<sup>†</sup>-452 Independent Research I & II (taken in senior year)  
 MA170-180 Calculus with Analytic Geometry I & II  
 MA210 Calculus III  
 MA220 Vector Analysis and Differential Equations  
 MA310 Linear Analysis

\* In the past, this course has included such topics as Laser Physics, Modern Astrophysics, General Relativity, History of Physics, Quantum Cryptography, and Elementary Particle Physics.

<sup>†</sup>This is a zero-credit course but is a prerequisite to PS452.

<b>Freshman Year</b>	Humanities I	Humanities II
	English 103	English 104
	Mathematics 170	Mathematics 180
	Physics 131	Physics 132
	Language	Language
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	Physics 231	Physics 242
	Mathematics 210	Mathematics 220
	Language	Language

<b>Junior Year</b>	Philosophy/Theology Physics 380 Mathematics 310 Elective Elective	Philosophy/Theology Physics 346 Physics 383 Physics 386 Elective
<b>Senior Year</b>	Philosophy/Theology Physics 449 Physics 451 <sup>†</sup> Elective Elective Elective	Philosophy/Theology Physics 452 Elective Elective Elective

### **PHYSICS MINOR**

This minor provides a foundation in physics. Students are introduced to the science through the foundational courses in Newtonian Physics, Fluid Dynamics, and Thermodynamics, Electromagnetism, Optics, Relativity, and Quantum Mechanics. Students then must choose three intermediate level courses to become familiar with the analytical methods used physics.

#### **Required Foundational Courses:**

1. PS131: Classical Physics I
2. PS132: Classical Physics II
3. PS231: Modern Physics

#### **Select three courses from the following:**

PS242: Dynamics,  
PS346: Thermodynamics,  
PS380: Electricity and Magnetism,  
PS383: Quantum Mechanics,  
PS386: Mathematical Methods of Physics  
PS449: Topics in Physics

#### **Prerequisites:**

Many of the courses listed for this minor require prerequisites in the Mathematics Department. Please check the catalogue for details

#### **Engineering Science Minor:**

This minor provides a foundation in Engineering Science. Students are introduced to the physics background of engineering through two foundational courses, Classical Physics I (Newtonian Physics, Fluid, and Thermodynamics) and Classical Physics II (Electromagnetism and Optics). All students in the minor must take Dynamics, which is an intermediate level course in the application of Newton's Laws to engineering systems. Students then must choose three intermediate level courses to become familiar with the analytical methods used in different types of engineering.

**Required Foundational Courses:**

PS131: Classical Physics I  
 PS132: Classical Physics II  
 PS 242: Dynamics

**Select three courses from the following:**

PS231: Modern Physics  
 PS241: Statics  
 PS243: Strength of Materials  
 PS346: Electrical Circuits  
 PS346: Thermodynamics  
 PS347: Fluid Dynamics

**Prerequisites:**

Many of the courses listed for this minor require prerequisites in the Mathematics Department. Please check the catalogue for details

## APPLIED PHYSICS

The Applied Physics major consists of (a) ten course foundation, which provides a firm grounding in the concepts and procedures of physics; (b) a choice of four technical electives that allows students to focus their studies on a particular aspect of the science; and (c) an optional research course. The ten course foundation consists of: PS131, 132, 231, 242; MA170-180, 210, 220, 310; and CS111. The four technical electives must be chosen, in consultation with the student's departmental advisor, from any physics courses with a number above 240 or from the following list of courses offered by other departments: CH130, CH131, CH280, CH281, and CS112.

<b>Freshman Year</b>	Humanities I Freshman English 103 Mathematics 170 Physics 131 Language	Humanities II Freshman English 104 Mathematics 180 Physics 132 Language
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Physics 231 Mathematics 210 Language	Humanities IV Philosophy/Theology Elective Mathematics 220 Language
<b>Junior Year</b>	Philosophy/Theology Comp. Sci. 111 Mathematics 310 Elective Technical Elective	Philosophy/Theology Technical Elective Physics 242 Elective Elective

<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	Elective	Technical Elective
	Elective	Elective
	Elective	Elective
	Technical Elective	Research/Elective

## PHYSICS (TEACHER CERTIFICATION IN PHYSICS)

A program of studies in physics, which meets the requirements of the State of New Hampshire Department of Education for teacher certification (grades 7-12) is offered. Interested students should consult with the department of education for specific requirements.

## ENGINEERING PHYSICS (3-2 ENGINEERING PROGRAM)

Saint Anselm College offers a five-year liberal arts and engineering program in cooperation with several universities. The student spends three years at Saint Anselm College following the liberal arts curriculum and the science and mathematics prerequisites for engineering. In an additional two years, at the cooperating university chosen by the student, the remaining engineering requirements are fulfilled. Under this arrangement, the student receives the Bachelor of Arts degree from Saint Anselm College with a major in Engineering Physics. Following fulfillment of the requirements for graduation and, upon successful completion of the fifth year, the student then receives an engineering degree from the partnering university's school of engineering. Official partnerships exist with the University of Notre Dame (South Bend, IN); the University of Massachusetts-Lowell (Lowell, MA); the Catholic University of America (Washington, D.C.); and Manhattan College (Riverdale, New York). In consultation with the Dean of Students and their advisors, students may also pursue completion of the program with a non-official partner school. In such cases, admission to the partner institution is not guaranteed since no official agreement is in place between the schools. Recent graduates have successfully completed the engineering program with Worcester Polytechnic Institute (Worcester, MA), Rensselaer Polytechnic Institute (Troy, NY), and Wentworth Institute of Technology (Boston, MA).

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Mathematics 170	Mathematics 180
	Physics 131	Physics 132
	Language	Language
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	Language	Language
	Mathematics/Chemistry	Mathematics/Chemistry
	Engineering	Engineering

**Junior Year** Program varies with the choice of engineering disciplines. For details, contact the Physics Department chairperson.

### **MINOR IN ENGINEERING SCIENCE**

This minor provides a foundation in Engineering Science. Students are introduced to the physics background of engineering through two foundational courses, Classical Physics I (Newtonian Physics, Fluid, and Thermodynamics) and Classical Physics II (Electromagnetism and Optics). All students in the minor must take Dynamics, which is an intermediate level course in the application of Newton's Laws to engineering systems. Students then must choose three intermediate level courses to become familiar with the analytical methods used in different types of engineering.

#### **Foundational Courses:**

1. PS131: Classical Physics I
2. PS132: Classical Physics II
3. PS242: Dynamics,

#### **Choose three of the following courses**

PS231: Modern Physics  
PS241: Statics  
PS243: Strength of Materials  
PS346: Electrical Circuits  
PS346: Thermodynamics  
PS347: Fluid Dynamics

*Prerequisites: Many of the courses listed for this minor require prerequisites in the Mathematics Department. Please check the catalogue for details*

#### **101 Astronomy**

An introduction to the current understanding of the universe combined with an observational component which involves familiarization with the night sky and telescopic observation of the moon, planets, stars, star clusters, nebulae, and galaxies.

#### **102 Geology**

An introduction to physical geology with emphasis on three topics: (1) the origin, classification, and identification of minerals, rocks, and related structures; (2) plate tectonics; and (3) processes that shape the earth's surface. The course does not have a separate laboratory component but some class time is used for hands-on familiarization with rock and mineral samples as well as topological map reading exercises. The course also includes one or more field trips for the investigation of local geological features.

#### **103 Meteorology**

An introduction to the physical principles that are used to understand the mechanisms that control the Earth's atmosphere. Topics covered

will include: the Earth's Heat Budget, the Hydrologic Cycle, Atmospheric Stability, Cloud Formation, Global Circulation Patterns, Wave Cyclone Theory, and climate Change Theories. The class will also provide insight into understanding the fundamental science behind issues such as global climate change, stratospheric ozone depletion, acid rain, and air pollution.

#### **104 Forensic Physics**

This is a one-semester course that looks at the application of physics to forensics. Topics covered include, but are not limited to, ballistics, blood spatter analysis, vehicular accidents, radiation monitoring and exposure, acoustic forensics, and combustion. This is an optional course for the Forensic Science Certificate.

#### **111-112 Fundamentals of Physics I – II**

A conceptual physics course offered to non-science majors. The mathematical knowledge necessary for the course is studied and reviewed as required. This course can be used to fulfill the general College requirement of a freshman science for non-science majors.

Three hours of lecture a week and two hours of laboratory each week for two semesters. Four credits, each semester.

#### **121-122 General Physics I – II**

An introductory physics course on of the phenomena and fundamentals of mechanics, waves, heat, electricity, magnetism, light, the atom, the nucleus, and special relativity. Some knowledge of algebra, plane geometry, and elementary trigonometry required. Calculus is not required. This course fulfills the physics requirement of students majoring in Biology and Natural Science.

Three hours of lecture, one hour of recitation, and two and one-half hours of laboratory each week for two semesters. Five credits, each semester.

#### **131-132 Classical Physics I-II**

An introductory physics course on the phenomena of mechanics, waves, heat, electricity, magnetism, and optics at a level more sophisticated than General Physics, since the emphasis is more theoretical and calculus is used as a tool. This course fulfills the physics requirement of students majoring in Physics, Chemistry, Applied Physics, and Engineering Physics (3-2 students)

Three hours of lecture, one hour of recitation, and two and one-half hours of laboratory each week for two semesters. Five credits, each semester.

*Co-requisite: Mathematics 170-180 or equivalent.*

#### **231 Modern Physics**

A one-semester course that naturally follows the two-semester Classical Physics sequence. Topics include special relativity, quantum mechanics, atomic structure, nuclear structure and reactions, and statistical physics.

Three hours of lecture and one hour of recitation each week. Four credits.

*Prerequisite: Physics 131-132 or permission of the instructor.*

**241 Statics**

A study of rigid-body mechanics that provides a foundation for the design and analysis of structural and mechanical systems. Topics covered include force vectors, structural analysis, internal forces, and moments of inertia.

Three hours of lecture and one hour of recitation each week. Four credits.

*Prerequisite: Physics 131-132 or permission of the instructor.*

**242 Dynamics**

A study of Newtonian mechanics applied to the motion of particles, systems, and rigid bodies. Topics covered include analysis in several coordinate systems, conservation laws, rigid-body analysis, and engineering concepts of dynamics.

Three hours of lecture and one hour of recitation each week. Four credits.

*Prerequisite: Physics 131-132 or permission of the instructor.*

**243 Strength of Materials**

This standard course in the engineering area is referred to alternately as mechanics of solids, mechanics of materials, or strength of materials. Topics covered include stress analysis, strain, the Mohr circle, yield and failure criteria, torsion, and bending of beams.

Three hours of lecture and one hour of recitation each week. Four credits.

*Prerequisite: Physics 241 or permission of the instructor.*

**245 Electrical Circuits**

This is an intermediate level course in the analysis of electrical circuits, devices, and systems. The course utilizes differential equations and other techniques to analyze circuits, including those with operational amplifiers and other active and passive elements. The course includes a laboratory and providing the basis for continued study in physics and electrical engineering.

Three hours of lecture, one hour of recitation, and three hours of laboratory, each week. Five credits.

*Prerequisite: Physics 131-132 or permission of the instructor.*

**346 Thermodynamics**

This is an intermediate level course in Thermodynamics and Statistical Physics. The course studies the laws and fundamental assumptions of thermodynamics and statistical physics, providing the framework for studies of entropy, thermodynamic cycles, and other such processes.

Three hours of lecture and one hour of recitation each week. Four credits.

*Prerequisite: Physics 131-132 or permission of the instructor.*

**347 Fluid Dynamics**

This is an intermediate level course in Fluid Dynamics. The laws of mechanics and those for conservative quantities are used to analyze fluids at rest and in motion. Concepts such as; Bernoulli's law; the continuity

equation; dimensional analysis; viscous flow; and boundary-layer theory; will be discussed.

Three hours of lecture and one hour of recitation each week. Four credits.

*Prerequisites: PS131 and MA220.*

### **380 Electricity and Magnetism**

This is an intermediate level course in Electromagnetism. The course is focused on the application of mathematics at a level of differential equation to the investigation of electromagnetic phenomena. Topics such as electro- and magneto-statics, Maxwell's equations, waveguides, radiation patterns, and antenna design will be discussed.

Three hours of lecture and one hour of recitation, each week. Four credits.

*Prerequisites: PS132 and MA220.*

### **383 Quantum Mechanics**

This is a one-semester course for students in the physical sciences, mathematics, and computing that introduces the modern formalism and phenomenology of quantum physics. It begins with a review of linear algebra before introducing the basic postulates of quantum mechanics. These postulates are used to discuss a diverse range of topics including but not limited to the hydrogen atom, Schrödinger's equation, Bell's theorem, and quantum computing. Three hours of lecture and one hour of recitation, each week. Four credits.

*Prerequisites: PS131-132 (required), PS231 (recommended), MA310 (recommended); or permission of instructor. Note: PS121-122 may be used in place of PS131-132 if the student has also taken or is planning to concurrently take MA310.*

### **386 Mathematical Methods of Physics**

This course is a discussion of mathematical methods with emphasis on their applications to physics. The topics covered include: complex numbers, complex algebra, Fourier series, integral transforms, and group theory.

Three hours of lecture and one hour of recitation, each week. Four credits.

*Prerequisite: MA310 Linear Analysis and PH242 Dynamics or permission of the instructor.*

### **400 Independent Study**

Qualified students may study a topic with a professor in the department.

*Prerequisite: Permission of the instructor and completion of required forms in the Office of the Registrar.*

### **449 Topics in Physics**

This course will consist of a detailed investigation of a topic important to contemporary physics. The topic will be chosen by the department for its relevance to current research in physics and its accessibility to students.

*Prerequisite: Physics 131-132 and permission of the instructor.*

**451 Independent Research in Physics I**

The student plans a research project and conducts library research under the direction of a faculty advisor. This course is recommended for Applied Physics majors and required for Physics majors. Open to qualified students in other majors with the permission of both department chairpersons. This course carries no credit, but is a prerequisite for Independent Research in Physics II.

*Prerequisite: Permission of the department chairperson.*

**452 Independent Research in Physics II**

The student conducts research under the direction of a faculty advisor. The student presents an oral report to students and faculty, writes a thesis describing his/her research, and may be required to present the results in poster presentations. This course is recommended for Applied Physics majors and required for Physics majors. Open to qualified students in other majors with the permission of both department chairpersons. Successful completion of this course earns three credits.

*Prerequisite: Independent Research in Physics I and permission of the instructor.*

**475–476 Physics Internship**

Qualified students may be offered the opportunity to develop an internship experience relevant to their academic goals. PS475 and PS476 are each typically the equivalent of one academic course. Students may not register for PS476 alone; it is to be taken in conjunction with PS475. Students will earn a letter grade for PS475 and PS476 will be graded on a pass/fail basis.

## POLITICS

### **Chairperson: Barbra Sundberg Baudot**

Professors: Barbara Sundberg Baudot, Dale Kuehne; Associate Professors: Peter B. Josephson, Christine A. Gustafson, Jennifer C. Lucas; Assistant Professor: Christopher J. Galdieri; Instructor: Eric Cleven; Lecturers: Joseph Constance, Lou D'Alessandro, Brother Isaac S. Murphy, O.S.B.

Aristotle tells us that the science of politics is “the master science in the realm of action” because politics both makes use of and gives direction to other studies. As Aristotle explains, the student of politics is in the special position of examining both universal ideas of justice and particular applications of those ideals of combining theory and practice. We learn about politics by studying the world and reflecting on what we have observed. We examine political systems, institutions, and processes; modes of citizen participation; and political regimes, cultures, and values. This study requires empirical training and statistical literacy as well as concern for the enduring questions of liberty, power, and justice. In the process, we seek to develop students’ critical thinking, research, and organizational skills as well as their ability to articulate precisely, both in written and oral form, the ideas necessary for thoughtful contributions to public life. In the end, the study of politics involves the study of human nature as that nature is developed and expressed in particular political settings—local, national, or international. While our students examine citizenship in the United States and many countries around the world we also wonder about the limits of politics. Following Aristotle, our courses therefore also emphasize that work and study of political actors in the pursuit of the public good—the life of action—should ultimately point beyond itself toward contemplation of the Divine.

### **THREE MAJORS IN THE DEPARTMENT OF POLITICS**

Students in the Department of Politics may choose one of three majors we offer: Politics, International Relations, and Environmental Politics. Students of Politics complete studies in each of the four fields within the discipline (American government, international relations, comparative government, and political theory.) The International Relations major offers students an interdisciplinary course of study including bilateral, multilateral and global politics, theories relevant to international relations, comparative systems, international law, and regional and universal institutions. The Environmental Politics major offers a diverse set of courses that combines both the social sciences and natural sciences. In the senior year, students from all three majors are required to produce a significant piece of original scholarship in a particular area of the student’s choosing. A description of each major, and list of required courses, follows.

### **I. MAJOR IN POLITICS**

The major in Politics introduces students to the main themes, issues and questions of the academic study of politics, and rests upon two related bases: first is to provide training in the four sub-fields of politics. The

second is to pay attention to the normative and philosophical dimensions of politics and public policy.

Course Requirements: Students must take a minimum of 12 courses, listed below.

PO102 American Government

PO104 Comparative Politics

PO106 International Relations

PO203 Political Science Research Methods

Two Political Theory courses including either PO208 Elements of Political Theory: Classical or PO209 Elements of Political Theory: Modern. Courses that qualify as the theory elective are denoted by an \*

**PO478 Senior Seminar**

Five electives taken from any of the other courses offered by the politics department.

**Washington Internship and Study Abroad:** Students are strongly encouraged to gain real political experience during their undergraduate years through study abroad, travel and internships.

**Senior Comprehensive Examination:** All students must take a written comprehensive exam in their senior year.

Ordinary Course Sequence for the Politics Major:

<b>Freshman Year</b>	<b>Fall</b> Humanities I Freshman English 103 Science Language American Politics	<b>Spring</b> Humanities II Freshman English 104 Science Language International Relations
<b>Sophomore Year</b>	<b>Fall</b> Humanities III Philosophy/Theology Language Political Theory/ Elective Comparative Politics	<b>Spring</b> Political Theory/Elective Humanities IV Philosophy/Theology Language Politics Elective
<b>Junior Year</b>	<b>Fall</b> Philosophy/Theology Political Theory Elective Politics Elective General Elective General Elective	<b>Spring</b> Philosophy/Theology Methods Requirement Politics Elective General Elective General Elective

Senior Year	Fall	Spring
	Philosophy/Theology	Philosophy/Theology
	Senior Seminar	General Elective
	Politics Elective	Politics Elective
	General Elective	General Elective
	General Elective	General Elective

## II. MAJOR IN INTERNATIONAL RELATIONS

The program of study in International Relations combines a rigorous and diverse set of courses from the social sciences and the humanities to help students develop conceptual and problem solving skills to address global issues that are by nature complex and interdisciplinary. The International Relations major is administered by the Department of Politics, in consultation with the History, Economics and Business, Modern Languages and Classics Departments.

**Course Requirements:** Students in the International Relations major must take a minimum of 12 courses, as specified in the 9 key rules below.

**Rule 1. International Politics Requirement.** Students must complete the following three core courses in international politics:

PO104 Comparative Politics  
PO106 International Relations  
PO330 International Political Economy

**Rule 2. International Political Institution Requirement.** Students must complete one of the following international political institution courses:

PO214 International Law  
PO324 International Organization

**Rule 3. International Relations Theory Requirement.** Students must complete one of following theory courses

PO205 Diplomacy  
PO320 International Relations Theory  
PO347 Justice and War in International Relations

**Rule 4. History Requirement.** Students must complete any three of the following History courses:

HI275 Asian Civilization  
HI277 Modern Africa  
HI330 Eastern Europe in the Twentieth Century  
HI331 European Socialism  
HI333 Europe Since 1945  
HI355 Modern American Foreign Relations  
HI376 History of Latin America  
HI377 History of Russia  
HI378 History of Modern China

HI379 Modern Japan  
HI382 History of the Middle East  
HI384 British Empire  
HI 385 Vietnam War

**Rule 5. Geography Elective.** Depending on scheduling availability, one geography course may count for one of the three required history courses. Students may complete any one of the following courses:

GE202 Political Geography  
GE212 Cultural Geography  
GE221 Economic Geography

**Rule 6. Economics Requirement.** Students must complete one of the following Economics courses:

EC249 International Economics (Please note: this course has two prerequisites, EC141 Principles of Micro Economics and EC142 Principles of Macro Economics)  
EC322 International Business Management  
EC333 International Marketing (Please note: this course has a prerequisite EC231 Marketing I

**Rule 7. Language Requirement.** Students must complete study of a foreign or classical language through the first semester of the advanced (Advanced I) level. If the student's chosen language does not offer advanced-level courses, a literature course may be substituted. Students are also strongly encouraged to complete a language minor.

**Rule 8. Research Methods Requirement.** Depending on the area chosen for senior research, students must complete one of the following research method courses typically during the spring semester of their junior year:

PO203 Research Methods in Political Science  
HI481 Seminar in History Research

**Rule 9. Senior Seminar Requirement.** Students must complete PO478 (Senior Seminar). Students must choose a thesis topic and prepare the thesis in Senior Seminar. Research topics must address an international topic, and be approved by the faculty advisor.

**Senior Comprehensive Examination:** Comprehensive examinations, both written and oral, are required. The oral exam will require the student to discuss different aspects of international relations before a committee composed of faculty from the Politics, History, and Business and Economics departments. These comprehensives will have a language component. The individual student's selected foreign language will determine which professor from the modern language or classics department will be asked to participate in a particular student's oral examination. Students completing language minors do not have to take the language component of the comprehensive examination.

**Study Abroad:** Students are strongly encouraged to gain real international experience during their undergraduate years through study abroad, travel and internships.

Ordinary Course Sequence for the International Relations Major:

<b>Freshman Year</b>	<b>Fall</b>	<b>Spring</b>
	Humanities I Freshman English 103 Science Language Comparative Politics	Humanities II Freshman English 104 Science Language International Relations
<b>Sophomore Year</b>	<b>Fall</b>	<b>Spring</b>
	Humanities III Philosophy/Theology Language General Elective Economics Elective	Humanities IV Philosophy/Theology Language History Elective International Relations Institution Elective
<b>Junior Year</b>	<b>Fall</b>	<b>Spring</b>
	Philosophy/Theology History Elective Advanced Language International Political Economy General Elective	Philosophy/Theology History Elective Methods Requirement IR Theory Requirement General Elective
<b>Senior Year</b>	<b>Fall</b>	<b>Spring</b>
	Philosophy/Theology Senior Seminar General Elective General Elective General Elective	Philosophy/Theology General Elective General Elective General Elective General Elective

### III. MAJOR IN ENVIRONMENTAL POLITICS

The program of study in Environmental Politics combines a rigorous and diverse set of courses from the social sciences and natural sciences and the humanities to help students develop conceptual and problem solving skills to address global issues that are by nature complex and interdisciplinary. The Environmental Politics major is administered by the Department of Politics, in consultation with the History, Economics and Business, Modern Languages, and Classics Departments.

**Course Requirements:** Students in the Environmental Politics major must take a minimum of 12 courses, as specified in the 3 key rules below.

**Rule 1. Core Courses.** Students must complete the following seven core courses in environmental politics:

PO215: Politics of the Environment

PO330: International Political Economy  
 EC141: Principles of Micro Economics  
 BI205: Biosphere at Risk  
 CH120/121: Chemistry and Society

**Rule 2. Major Electives.** Students must complete four of the following courses. Including either 214 or 224.

EC 250: Environmental Economics  
 PO205 Diplomacy  
 PO214 International Law  
 PO224 International Organization and the UN System  
 PO270 Theories and Ideologies in Environmental Politics  
 HI100 Intro to History: Environmental History  
 SO343 Economy and Society  
 PO248 Public Policy  
 CL275 Archeology

**Rule 3. Senior Seminar Requirement.** Students must complete PO478 (Senior Seminar). Students must choose a thesis topic and prepare the thesis in Senior Seminar. Research topics must address an international topic, and be approved by the faculty advisor.

**Internships:**

Students will be encouraged to work with different institutions and agencies in the state and the larger region, for example, the regional administration of the Environmental Protection Agency (Boston), NH Department of Environmental Services, The Society for Protection of NH Forests, the NH Chapter of the Audubon Society, or the Appalachian Mountain Club, The Environmental Defense Fund, all of which may engage students in a practical application of their training.

Ordinary Course Sequence for the Environmental Politics Major:

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Chemistry & Society 120	Chemistry & Society 121
	Language	Language
	Politics of the Environment	Principles of Micro-Economics
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	Language	Language
	Politics of the Environment	Biosphere at Risk
	General Elective	Politics Elective

<b>Junior Year</b>	Philosophy/Theology Politics or Classics Elective International Political Economy General Elective General Elective	Philosophy/Theology Politics 214 or 224 General Elective General Elective General Elective
<b>Senior Year</b>	Philosophy/Theology Senior Seminar Politics Elective General Elective General Elective	Philosophy/Theology Politics Elective General Elective General Elective General Elective

### **New Hampshire Institute of Politics (NHIOF)**

In conjunction with the academic programs of study offered by the Department of Politics, the New Hampshire Institute of Politics at Saint Anselm College provides students with state-of-the-art facilities. These include a resource center with online and print materials, and an instructional area, where interested students are encouraged to exchange ideas on the major issues of the day.

The New Hampshire Institute of Politics at Saint Anselm College was established in 1999 to serve as a resource for students, scholars, politicians and the general public. Founded on the premise that an educated citizenship is vital for a healthy democracy, the Institute conducts programs and research that are designed to enlighten and encourage people for a lifetime of civic participation. The Institute has no alliances, formal or informal, with any political party, organization or agenda. It seeks to develop programming, and to foster scholarship and dialogue, encompassing a diverse range of political topics, opinions and issues. It also seeks to foster undergraduate research in politics and international relations.

### **MINORS**

The Department offers two minors, in Politics and in International Relations, which are described below. In addition, the Department encourages students to consider minors in Campaign Management and in Public Policy Studies, which are described later in the catalogue.

### **POLITICS MINOR**

This minor introduces students to the main themes, issues, and questions of governance and public policy. It covers the theoretical and practical dimensions of affairs of state and the relations between the state and citizenry on local, national, and international levels. It is designed to introduce students to the core of the discipline and, with three free electives, to give students the option to focus on any of its subfields.

The minor requires completion of six politics courses.

I. Students must complete three of the core courses of the Politics discipline:

This requirement is as follows:

1. PO102 American Government
  2. Either PO104 Comparative Politics or PO106 International Relations
  3. And, either PO208 Elements of Political Theory: Classical or PO209 Elements of Political Theory: Modern.
- II. Students must complete any three courses from any of the other offerings of the politics department.

### **INTERNATIONAL RELATIONS MINOR**

Current political, economic, and social trends indicate that the world is changing from a system of predominantly self-contained nation states towards a globally integrated community with multiple independent actors, including regional custom unions, economic communities, transnational enterprises, and individuals. Those wishing to compete successfully in the global society must understand the new complexities of the international environment. This minor is designed to introduce students to some of the more salient aspects of international phenomena, and thus to help in preparing them for a responsible role in the world.

1. The minor in International Studies is available to full-time, degree-candidate students who have a cumulative grade point average of 2.33 or higher.
2. To qualify for the minor, students must demonstrate proficiency in a modern foreign language. Proficiency can be demonstrated either by: a) completing a minor in a modern foreign language or b) completing one advanced-level modern language course.
3. The program requires completion of five specific international courses including:

From the Politics Department, students must complete two of the following courses:

PO104 Comparative Politics  
 PO106 International Relations  
 PO214 International Law  
 PO224 International Organization  
 PO330 International Political Economy  
 PO347 Justice and War in International Relations

\* Politics majors may apply only one course of the core politics courses to the IR minor

- From the History Department), students must complete any two of the following courses (of which only one may be a geography course):

HI275 Asian Civilization  
 HI277 Modern Africa  
 HI330 Eastern Europe in the Twentieth Century

HI331 European Socialism  
HI333 Europe Since 1945  
HI355 Modern American Foreign Relations  
HI376 History of Latin America  
HI377 History of Russia  
HI378 History of Modern China  
HI379 Modern Japan  
HI382 History of the Middle East  
HI384 British Empire  
HI385 Vietnam War  
GE202 Political Geography  
GE212 Cultural Geography  
GE221 Economic Geography

• From the Economics and Business department, Students must complete one of the following courses:

EC249 International Economics\*  
EC322 International Business Management  
EC337 International Marketing\*

\* denotes that course has prerequisites

4. Prior to preregistration for the fall of their senior year, students must declare to the director of the minor their intention to work towards completing the minor.
5. To obtain the minor, students must have achieved at least a C+ (2.33) average in the minor courses.

## **COURSES**

### **102 American Government**

An introduction to the constitutional framework, institutions, and political processes of American government. Required of Politics majors.

### **104 Comparative Politics**

A comparative study of politics and political structures in selected countries. Emphasis is on patterns of political organization and behavior, with particular attention to government institutions, political parties, elections, political participation and social movements. Required of Politics majors and of International Relations majors.

### **106 International Relations**

An investigation of the scope and methods of international politics. Emphasis will be placed on analysis of the distinctive characteristics of the international arena and the recurrent patterns of interstate action. Required of Politics majors and of International Relations majors.

### **201 The Problem of Liberty\***

This course is an introduction to concepts of politics by means of an in-depth examination of theories of freedom. Seminars, readings, and

coursework will explore topics of political liberty, religious liberty, natural rights, free will, and the moral responsibilities of free persons. Texts include works by Augustine, Madison, Locke, Berlin, Tocqueville, and Mill.

### **203 Political Science Research Methods**

Designed to equip students with the basic skills of research design, measurement, data collection, and processing for the study of political phenomenon. It promotes the ability to think systematically and critically about social and political problems, and to analyze material in professional journals. Required of Politics majors. Fulfills methods requirement for International Relations majors.

### **205 Diplomacy**

Diplomacy embraces the art, skills and practice of the conduct of relations and negotiations between countries as well as between countries, international organizations, and institutions of civil society. It covers the activities, the culture and the behavior of the diplomatist whether they be national emissaries or international civil servants; the methods by which international relations and their practical problems are managed by diplomats in embassies, consular services, and other relevant institutions; and the regulation of international relations by multilateral negotiation.

### **207 The Nature of Politics\***

Aristotle tells us that “Man is by nature a political animal,” but what does this mean, and what is the nature of politics? The nature of politics involves the distribution of power in complex communities for the purpose of securing interests and honors. The distribution of power requires a justification of power or authority – in other words, a regime’s account of justice. Looked at in this way we can see that a number of themes emerge: the enduring problem of faction, and the distinction of public and private goods; the shaping of a “public” and the ordering of a regime; the empowerment – and disempowerment – of reason in public life; the relationship between justice and power; the interaction of nature and convention in politics. The texts include works by Aristotle, Xenophon, Montesquieu, Shakespeare and Machiavelli.

### **208 Elements of Political Theory: Classical**

An examination of the nature, functions, and goals of political society in the classical period, with special attention to the concepts of justice and power, the individual and the community, and the common good. Readings include Plato’s Republic, selections from Aristotle’s Politics, and works chosen from Xenophon and Cicero, among others. PO208 or PO209 is required of Politics majors.

### **209 Elements of Political Theory: Modern**

This course examines the nature, functions, and goals of political society in the modern period (roughly, since 1500) through careful readings from the works of Machiavelli, Locke, Rousseau, and Nietzsche, among others. Special attention is paid to the concepts of justice and power, the individual and society, and equality and rights. PO208 or PO209 is required of Politics majors.

**210 Congressional Power**

An examination of the composition, organization, and procedures of legislative bodies, with special emphasis on Congress.

**211 Presidential Power**

This course examines central themes in the development, organization, and functioning of the Executive Branch, with a particular emphasis on the American presidency. The course combines the study of executive behavior with an analysis of the evolving institutional framework within which that behavior occurs. It views the Executive Branch as a complex institution, one that requires the president to simultaneously play multiple political roles. The course separates these roles into their institutional and behavioral components, in order to understand their significance in an integrated theoretical and empirical conception of executive governance.

**212 Constitutional Law**

A study of the American Constitution in light of judicial interpretation. Basic constitutional principles defining governmental powers in the federal system and the relationship between government and the people are examined. Skills in case analysis, briefing, and argument stressed. Students prepare a moot court presentation.

**214 International Law**

An examination of principles, customs, and rules recognized as binding sovereign states, legal persons, and certain individuals; and application of this body of law to issues of war, socio-political justice, the environment, economic relations, and national security under nuclear and terrorist threat. Develops skills in case analysis and briefing, legal writing, and oral argument. This course fulfills the international political institution requirement for International Relations majors.

**215 Politics of the Environment**

This course imparts awareness of the complexity of environmental issues from political—economic standpoints as well as knowledge of the policy tools, options, and obstacles met in dealing with negative environmental conditions. Presents conceptual and empirical approaches at various levels of decision making and teaches about the analytical, diplomatic, and communication skills necessary for problem solving and policy making.

**219 State and Local Government**

An examination and study of American politics and government at the state and local levels. Topics covered include governors and state legislatures, county government, city government, and the New England town meeting.

**224 International Organization: Global governance and The United Nations System**

An examination of the historical and conceptual questions of international organization. Emphasis is on the structural characteristics of the United Nations system as well as its activities, including peace keeping, development, technical assistance, and social justice. Comparisons are made with other international and regional organizations, such as the

European Union, and with non-governmental organizations. This course fulfills the international political institution requirement for International Relations majors.

**227 European Politics**

A comparative study of politics and political structures in selected European countries individually, with special focus on France, German and England. The gradual building of the European Union receive special attention.

**228 East Asian Politics**

This survey course is designed to help students appreciate the forces of change and continuity in the political systems of East Asia embracing the regions of the Northeast (significantly China, Japan, Vietnam and the Koreas) and the Southeast (specifically Thailand, Indonesia, the Philippines, and Burma). Students will be taught the distinctiveness of the political ethos of East Asian countries. Several factors are considered including political culture, modernization, military conflicts, class politics, party and elite politics, civil society, power structure, external relations and globalization to shed light on politics and the dynamics of change in these political systems.

**229 Politics of Sub-Saharan Africa**

This course provides an introduction to the politics of contemporary Sub-Saharan Africa, a region of the world viewed by many as “left behind.” It takes a cross-national and cross-temporal comparative approach to help students understand the current challenges and opportunities faced by Sub-Saharan African states. Students will be encouraged to see Sub-Saharan Africa’s connections to the world and to use the Sub-Saharan African experience to interrogate traditional social science concepts such as that of the nation-state.

**230 The Politics of Rich and Poor States**

This course examines the relationships among rich and poor states in the post-World War II international political economy. It explores alternative theoretical approaches to the problem of “development:” liberal internationalism, structuralism, neo-liberalism, Marxism, feminism and post-modernism. It examines historically the conflicts, institutions and policies related to development. It then applies these theoretical and historical insights to contemporary issues in North-South relations, such as globalization, environmental sustainability, war and reconstruction, and reform of international institutions.

**235 American Foreign Policy**

An analysis of American foreign policy. Emphasis is on the Vietnam War, the Cold War, and post-1989 developments. Attention is also given to the present administration’s response to changes in the international environment.

**248 Public Policy Process**

An examination of the creation of public policy at the federal and state levels. Attention will be given to the actors and politics of agenda-building,

formulation, legitimization, and implementation. Emphasis is on the political and ethical context in which policy decisions are made.

**250 Gender and Politics**

This course examines the role of gender in political life, with an emphasis on U.S. politics. The course addresses the history of women's political development and social movements, and political theories of gender, including both masculine and feminine. Students will examine the role of gender in shaping patterns of political participation (both traditional and non-traditional) and public policy issues.

**255 Campaigns and Elections**

This course examines campaigns and elections in the American context, including voting, political parties, trends and tactics in campaigning, and campaign finance. These are examined at both the presidential and congressional levels.

**270 Theories and Ideologies in Environmental Politics**

Given the extents of world attention and political controversy generated by different perceptions of environmental change and its potential impact on the human condition, it is important that students be exposed to the wide ranging political thinking and interests on the subject, which stem from the different theories, ideologies and values of the actors. This course will pilot students through controversies— the arguments and counter arguments— that separate the scientist's observations of developments, the public perceptions of problems. It will be up to the students to dig further into the ideas that are presented—gathering other positions and bringing into the light the broad spectrum of theoretical thinking and ideological programs that underlie decisions for action or inaction on a particular issue.

**275 Human Rights**

Human rights is presented as an ideal, a movement, a subject of international law and world politics. The course covers the origins of human rights, their scope, evolution, conflict and confluence with national sovereignty. Examined is the question of the centrality of human rights in the building of a just and peaceful world community.

**320 International Relations Theory\***

An examination of the primary approaches in the field of International Relations (IR), including realism, liberalism, and constructivism. Topics covered include the causes and prevention of major wars, the relationship between human nature and international politics, popular culture and identity formation, globalization, and the return of normative and religious concerns to the study of IR. Readings will draw from a mixture of the traditional IR canon and innovative new ways of examining these subjects.

*Prerequisites for the course: The course is open to Politics and IR major who have completed PO104 and PO106.*

**326 Latin American Politics**

This course examines the government and politics of Latin America, taking both a regional and country-specific approach. It examines region-wide patterns such as the colonial inheritance, relations with the United States, and experiences with democratization and economic development. It also examines a number of individual Latin American countries in-depth, focusing on their government structures, political cultures, records of regime change, and state-society relations. Additionally, the course considers contemporary policy challenges, such as regional integration, immigration, and illegal trafficking.

**327 Middle East Politics**

The purpose of this survey course is to familiarize students with the culture, institutions, and peoples of the modern Middle East. The class examines patterns of modernization and development across several regional polities, with particular attention devoted to the effect of colonial legacies and strategies of resistance, pan-Arab nationalism, the re-emergence of political Islam, economic underdevelopment and the politics of oil.

**329 Russian Area Politics**

Analysis of contemporary politics in Russia. The course emphasizes those historical, geographical, and economic features which have influenced Russian political development. Attention is also given to the uniqueness of Russian political thought and its cultures.

**330 International Political Economy**

A practical inquiry into the global framework for international economic relations and its regulation; considers the interactions of states, cultures, institutions and markets in transforming international relations. It offers theoretical analysis of the politics and principles governing global relations in trade, finance, monetary affairs, foreign investment, development, as well as the impacts of all these activities on the world food supplies and the environment. This course provides students with familiarity with the major ideological perspectives of the actors on the world political—economic state as well as skills in analyzing and resolving conflicts thereon.

**331 Politics of South Asia**

This course examines politics and government in the two leading South Asian nations of India and Pakistan. It will also serve as an introduction to some of the major intellectual and theoretical concerns in the field of South Asian political studies, including the legacies of colonialism, political instability, the role of the military, the threat of nuclear war, ongoing problems of poverty, the situation in Kashmir and religious tensions.

**345 Public Administration**

This course considers several analytic perspectives for understanding the dynamics of public administration, with a particular emphasis on the president's role in that process. The course examines how the president interacts with the federal bureaucracy to formulate and implement policy, and negotiates with Congress to pass legislation enacting that policy.

The course also considers the impact of these central relationships on the broader institutional and electoral contexts in which these political actors function.

### **347 Justice and War in International Relations\***

This course studies two great theoretical themes, justice and power, as they are worked out in times of war. We begin with selections from Thucydides, who defines and describes the problem of justice and power for us. We conclude with Kant, who offers a hope that justice and power may be brought into accord (if not entirely reconciled). Several questions emerge: What causes wars, and what makes the cause right? Is patriotism a moral duty? Is war or peace the more natural condition for states? Is it possible to combine justice with power? Are some regimes better for this purpose than others? To engage these questions we read the works of leading thinkers from the perspectives of the Christian just war tradition, political realism, and international law, including Cicero, Augustine, Aquinas, Machiavelli, Vitoria, and Grotius.

### **350 Political Catholicism**

This course taught in a seminar format examines the political role of the Roman Catholic Church from a social science perspective. The focus is both on the church as an international actor and as a domestic political force in various countries. Topics considered will include issues of church and state, religious freedom, Catholicism and democracy, Catholicism and dictatorships, and the church as an actor on issues of peace and war. The course will also begin with a brief consideration of Saint Augustine's political theology and end with a consideration of contemporary Catholic social teaching.

### **352 Political Theory and Contemporary Problems: The Economy\***

This course aims to unite the study of political theory and contemporary politics by analyzing the problem of political economy as it currently exists in the United States in light of the understandings of this problem proposed by various political theorists. The course is a combination of lecture and discussion, involving the analysis of empirical literature on the problem of political economy, faction, and the extent of government power in America today as well as the careful reading of primary texts in political theory. Thinkers to be read include Aristotle, Locke, Smith, and others, and, from an American perspective, Madison, Hamilton, Herbert Croly, Friedrich Hayek, Reinhold Niebuhr, and Tocqueville.

### **353 Politics of Diversity\***

This course focuses on the question: How can a pluralistic democracy, specifically America, deal justly with diversity? In order to address this question, we will divide our inquiry into two parts. First, we will look at issues concerning racial, religious, moral, intellectual, gender, and sexual diversity in America. Second, we will examine various democratic political options for dealing justly with diversity. Students will be asked to formulate their response to this question and defend their position both orally and in writing.

**354 Media and Politics**

This course examines the role of media in U.S. politics. The focus of the course is to analyze how the media shapes American government and politics, particularly through its influence on public opinion, elections, governance, and public policy, and the strategic use of the media by political actors.

**355 Civil Liberties and Civil Rights**

A study of the American Bill of Rights. This course will examine civil liberties (individual rights to act and be protected in the criminal process) and civil rights (protections against discrimination) in terms of four broad areas: the relationship between Church and State, freedom of expression, equal protection of the laws, and criminal rights. By means of a careful study of Supreme Court opinions as well as commentaries on some of these controversial issues, this course will explore how our understanding and interpretation of these liberties and rights have evolved over time.

**356 Liberalism, Pluralism and Community\***

One of the fundamental and enduring political problems is finding the right balance between the goods of individuals and the good of the community. Over the last century this problem was explored by liberals (who emphasized the liberty of individuals), pluralists (who describe political life not as an association of individuals but rather a dynamic interaction of identity groups), and by critics of these two approaches who tend to give emphasis to the claims of community and the maintenance of public ethics. This course explores key texts in this contemporary debate. Each of the authors we consider (Rawls, Hayek, Sandel, MacIntyre, and others) is looking to explain how a contemporary political community can incorporate individual freedom with social cohesion – liberty with community.

*Prerequisites for the course: Open to Junior or Seniors*

**357 Medieval Political Thought \***

The medieval political philosophers – Christian, Jewish, and Muslim – confronted the inherent and inevitable tension between the demands of faith and the necessities of the nation most deeply. It is this issue above all that distinguishes the medieval political thinker from the ancient (whose polytheism means the problem does not surface) and the modern (whose doctrine of toleration buries the problem without fully addressing it). Why do philosophers like Augustine recognize such a distance between the city of God and the human city? What does that distance imply for political practice? What do our faith commitments require of us in our political lives, and what limits might the political world impose on those commitments? To address these questions and others, seminars will examine texts by Augustine, Aquinas, Maimonides, al-Farabi and others.

**358 American Political Thought\***

Selections from a variety of authors, with special attention to the prominent figures like Jefferson, Hamilton, Madison, Lincoln, and Tocqueville. A number of enduring political issues emerge from these readings (federal-

state relations, the role of government in the private sector, the relationship between liberty and equality, the American science of politics, the place of commerce and industry in a free society, the character of a free people), and we will trace the development of these themes.

**359 Contemporary Christian Political Thought\***

This course is a survey of the variety of Christian understandings of politics that have developed in the wake of WWII. Readings will include various papal encyclicals, as well as primary texts by authors like Reinhold Niebuhr, John Howard Yoder, and Yves Simon that cover topics like the best kinds of government, economics, race, human rights and war. As a combination of lecture and group discussion, students are required to read the assignments carefully and to participate actively in class.

**360 Comparative Democratization**

A study of the process of democratization in light of the recent worldwide expansion of democratic regimes. The course reviews the principal theories of democratization, and then compares and contrasts selected cases.

**365 Globalism and Nationalism**

This course explores the origins and different forms of nationalism and nationalism as a reaction to globalization. Several case studies of nationalism in the North and South are examined. Topics covered include the links between identity and institution building, extreme nationalism, state conflict, and the relationship of religion and other belief systems to national collective identity.

**400 Independent Study**

Students wishing to explore topics of their own choosing may design courses of independent study with the advice and consent of a member of the department.

**425 Selected Topics in Political Thought \***

Topics vary by semester, and may include theoretical approaches to works of literature, religion and politics, or advanced courses dedicated to the study of a particular political thinker or school of thought.

**442 Selected Topics in World Politics**

This course will examine a contemporary topic confronting world politics. Its objective is to provide an opportunity for a critical examination and discussion of relevant issues in world affairs. Topics vary by semester, and may include the Mideast Peace Process, ideological approaches to global politics, Islamic fundamentalism, and social justice issues in the Third World.

**446 Selected Topics in American Politics**

An examination of a current topic in American politics and society. Topics vary by semester, and include campaigns and elections, legislation and lobbying, media relations in politics, women in politics, and ethical issues in politics.

**456 Integrated Studies Seminar**

*Prerequisite: PH105*

**478 Senior Seminar**

This seminar is required of all Politics and International Relations majors during the senior year. Seniors are expected to write an independent guided research paper which constitutes the senior thesis.

**480 Government Internship (One course)**

Students are placed in a federal or state government agency.

*Prerequisite: Permission of the Chair.*

**485 Government Internship (Two courses)**

Students are placed in a federal or state agency.

**486 Internship – Summer School**

**487–488–489 Washington Internship**

Students are placed in a federal agency in Washington, D.C.

*Prerequisite: Permission of the Chair*

**490 Concord Experience Program (3 courses)**

**491, 492, 493 New York Internship Program (Five courses)**

**494 Campaign Internship**

Students will work with a national, state or local campaign for a candidate for public office.

## PSYCHOLOGY

### **Chairperson: Elizabeth P. Ossoff**

Professors: Paul E. Finn, Kathleen A. Flannery, Elizabeth P. Ossoff, Joseph R. Troisi; Associate Professors: Loretta L.C. Brady, Maria W. McKenna; Assistant Professor: Adam J. Wenzel.

The Psychology major is designed for students to study the science of human and animal behavior. Departmental courses provide the student with the opportunity to gain a general understanding in four different areas: Cognition and Neuroscience, Culture and Development, Social and Personality, and Clinical and Health Psychology. Courses include hands-on laboratory and field work experiences for students to gain competency and skills within the field of Psychology.

Courses within the department are designed to prepare students for graduate studies in a variety of fields ranging from legal, medical, research or business and equip them with marketable skills for a complex, dynamic global workforce.

Student learning opportunities culminate in senior capstone experiences including a required senior research thesis and options for internships in a variety of legal, clinical, educational, political and business settings. Additional research or field experience can be achieved through Independent Study and/or Internship.

Major requirements include Psychology 101, 301, 302, 303, 400, any three of the following: Psychology 304, 305, 306, 307, 312, 313, 315 plus any three of the following: Psychology 201, 202, 203, 204, 205, 206, 207, 208, 209, 211, 308, 309, 310, 311, 314, 316, 402, 403.

<b>Freshman Year</b>	Humanities I Freshman English 103 Science Language Psychology 101	Humanities II Freshman English 104 Science Language Psychology
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Psychology Elective	Humanities IV Philosophy/Theology Language Psychology Elective
<b>Junior Year</b>	Philosophy/Theology Psychology 301 Psychology Elective Elective	Philosophy/Theology Psychology 302 Psychology Elective Elective

<b>Senior Year</b>	Philosophy/Theology	Philosophy/Theology
	Psychology 303	Psychology 401
	Psychology	Elective
	Elective	Elective
	Elective	Elective

## **PSYCHOLOGY MINOR**

The Psychology minor is designed to provide the student with an exposure to and engagement with the science of the mind and behavior. Students will sample from both broad areas of the field as well as more specific applications of the science after completing the introductory courses. Students must complete the introductory course in Psychology prior to the start of their senior year to complete the minor.

### **Required Courses:**

PY101 General Psychology

PY301 Behavioral Statistics (or another statistics course to be agreed upon by the chairs of Psychology and the other department), and three electives.

### **At least one elective must come from the following:**

PY304, PY305, PY306, PY307, PY312, PY313, PY315 AND

### **At least one elective must come from the following:**

PY201, PY202, PY203, PY204, PY205, PY206, PY207, PY208, PY209, PY210, PY211, PY212, PY400, PY402–403.

### **101 General Psychology**

Introduces the student to the science of human and animal behavior. The scientific basis of psychology is examined. Basic topics covered are biological and cognitive foundations of behavior, individual differences, measurement techniques, personality theories and development, motivation and emotion, normal vs. abnormal behavior, perception, social behavior and learning.

### **201 Organizational Psychology**

Examines the application of psychology to the general field of industry and organizations. Specific areas covered are measurement and analysis of jobs and job proficiency, personnel selection procedures, interview techniques, psychological testing, and conditions affecting work productivity.

### **202 Child Psychology**

The psychological development of the individual from conception to pre-adolescence, including areas of cognition, personality, learning, as well as the physical and the emotional development of the child.

### **203 Adolescent Psychology**

The psychological development of adolescence. Areas covered are the development of the physical, intellectual, emotional, social, and moral aspects of adolescence. Special consideration is paid to family interaction and the current forces affecting the behavior of youth today.

### **204 Psychology of Adulthood and Aging**

This course examines the biological, intellectual, personal and social development of adults beginning with early adulthood and continuing to the end of life. Students will explore the research that has been conducted in the field of adulthood, and study the events of adulthood, such as occupational choice, marriage, parenthood, and retirement. Some of the fundamental concerns and controversies that accompany the study of adult development and aging are also addressed.

### **205 Psychology of Addiction and Dependency**

The psychological aspects of addiction and dependency are surveyed. The construct of addiction is entertained in this framework. Chemicals that modify human behavior and emotion are studied as they relate to Psychopathology and the functioning of the healthy individual. Other compulsive non-chemical addictions are also discussed. Additional topics include behavioral pharmacology and clinical treatment of addiction and dependency.

### **206 Health Psychology**

The role of psychological factors in four health-related areas: the prevention and treatment of mental and physical illness; the development of mental and physical illness; the promotion and maintenance of good health behavior; and the organization and formation of health-care policy and the health-care system. The student will be exposed to the underlying psychological theories and methods employed in this area, as well as their clinical applications.

### **207 Psychology of Gender**

This course explores the meaning and significance of “gender,” focusing on the view of this construct from within psychology. Included are investigations of most of the major subfields within psychology (e.g. perception/cognition, neuroscience, social/ personality, developmental). Relevant psychological theories, approaches to research, and research results are critically discussed and evaluated. Related topics covered include biological differences between males and females, intimate relationships, stereotypes, and language.

### **208 Psychology and Law**

This course addresses psychological knowledge as it pertains to law. Emphasis is in two broad areas. First, is presentation and critical analysis of the application of Psychology-based research to areas of law, such as the influence of sensation and perception on witness memory. Second, is the presentation of usual and customary practice of Psychology in areas of law, such as assessing police personality, jury selection, child abuse evaluations and effects of imprisonment on behavior.

### **209 Political Psychology**

Application of psychological theory to the practical political realm to identify rationales and motivations associated with political thinking processes and

behavior. Topics include political communication, information processing, persuasion, socialization, social conflict, negotiation and bargaining, and mass media effects.

**210 Special Topics in Psychology**

Detailed examination in a seminar format, of a topic of current psychological interest or concern. The department will choose and announce the topic prior to course registration.

**211 Cross Cultural Psychology**

This course is designed to explore the research and application of cross cultural psychology to understand the ways in which culture explains differences in perception, communication, personality, and social processes. Students will gain knowledge about recent research while also exploring ways in which their cultural experience has shaped their personality, perception, and communication patterns. Special emphasis will be placed on creating greater cultural competency when working with members of non-dominant cultures. Using text, primary source material, media, experiential learning activities and writing assignments the course will introduce students to major theoretical orientations and provide opportunities for critical evaluation of cross cultural theory.

**212 Sports and Exercise Psychology**

Research and clinical applications in the study of sport and exercise psychology are offered in this course. This course includes cognitive, affective, behavioral and social factors involved in the assessment and application of psychological principles to this discipline.

**301 Behavioral Statistics**

This introductory course begins with a review of basic mathematics. Next, descriptive and inferential statistics are presented. Descriptive to include single subject methods and inferential to cover both parametric and non-parametric methods. This course will introduce the student to laboratory resources and use of computers in assisting design, analysis and presentation of results.

*Prerequisites: Psychology 101*

**302-303 Experimental Psychology: Research Methods and Design I-II**

Introduction to the methods of conducting psychological research including ethics. Laboratory activities include practice in designing, conducting, analyzing, and writing reports. The second semester is devoted to completing the senior thesis with collaborative problem-solving and close faculty supervision.

*Prerequisites: Psychology 101, 301*

**304 Cognitive Psychology**

The scientific study of the workings of the human mind. Topics to be covered include perceptual processes and attention, memory, mental

imagery, language, reading, problem solving, reasoning, decision making, and cognitive and language development. The basic theme is the examination of how humans process information.

*Prerequisites: Psychology 101, or permission of the instructor*

### **305 Behavioral Neuroscience**

This course introduces the neurobiological foundations of mental processes and behavior. In addition to the mechanics and gross anatomy of the regulatory systems, topics covered in this course include: sensory systems, motivational systems (e.g., sleep and hunger), emotion, memory and psychopathology.

*Prerequisite: Psychology 101, or permission of the instructor.*

### **306 Psychology of Personality**

An explanation of personality structure, function, dynamics, and development. The scientific bases of the study of the personality are established. Main points of view of leading personality theorists are analyzed. The normal personality is emphasized.

*Prerequisite: Psychology 101 or permission of the instructor.*

### **307 Abnormal Psychology**

This course introduces the theoretical approaches and empirical research regarding the etiology, assessment, classification, prevention and treatment of personality and psychological disorders such as antisocial personality disorder and obsessive-compulsive disorder (OCD) to name two.

*Prerequisite: Psychology 101 or permission of the instructor.*

### **308 Methods of Clinical Psychology**

A review of the status of clinical psychology. Evaluation and diagnostic techniques are presented and the growth of psychotherapy is examined from Freud to recent behavioral modification techniques. Individual and group methods are evaluated.

*Prerequisite: Psychology 101, 307, or permission of the instructor.*

### **309 Contemporary Issues in Psychology**

The consideration of current advancements and challenges in the study of Psychology are considered in this course. Primary readings, films, laboratory and field experiences will be utilized for students to gain insight regarding topics related to the faculty member's expertise.

*Prerequisite: PY101 or permission of the instructor*

### **310 Humanistic Psychology**

Concentrates on the developments of the Humanistic movement from the 1950s to the present. Emphasis is placed on the normal and fully actualizing human, as well as other areas of human behavior ignored by traditional psychology.

*Prerequisite: Psychology 101, 306, or permission of the instructor.*

**311 Neuropsychological Assessment**

An introduction to the theory and practice of Neuropsychology. Students will gain an understanding of the field through clinical case studies and the tests and measurements utilized by neuropsychologists. Students will gain experience administering some tests, evaluating individual differences, and completing summary reports.

*Prerequisite: Psychology 101 and 301.*

**312 History and Systems of Psychology**

The historical roots of the development of modern psychology are entertained. Major areas include the behavioral and cognitive revolutions. Additionally psychoanalysis and reactions from the developing field are considered. Current topics and their roots include neuroscience, perception and intelligence.

*Prerequisite: Psychology 101 or permission of the instructor.*

**313 Psychology of Learning and Motivation**

Traditional approaches to studying the science of behavior are discussed including classical (Pavlovian) conditioning, operant conditioning, and their interactions. Several laboratory projects are conducted throughout this course. Many applications of learning theory are also entertained. Additional topics include motivation, emotion, drives, and incentive learning. Major theorists and their contributions to learning theory are discussed.

*Prerequisite: Psychology 101 or permission of the instructor.*

**314 Childhood Psychopathology**

An examination of childhood psychological disorders, including etiology, approaches to treatment and research issues. Topics include autism, mental retardation, anxiety disorders, and learning disabilities, as well as the child's interaction with family and society.

*Prerequisite: Psychology 202 or permission of the instructor.*

**315 Social Psychology**

This course deals with the psychology of the individual interacting with his/her social environment, that is, how we influence and are influenced by friends, groups, organizations, and cultures. Topics include social thinking, understanding the psychological causes of our social behaviors and beliefs, attitudes and attitude change, group psychology, romantic attraction, aggression, prejudice, and altruism.

*Prerequisite: Psychology 101*

**316 Sensation and Perception**

This course introduces the neurobiology of the sensory systems, the acquisitions of environmental energy, and the formation of perception. The five traditional senses are examined with an emphasis on the visual system and visual perception (e.g., depth and color).

*Prerequisite: Psychology 101, or permission of the instructor.*

#### **400 Independent Study**

Under the supervision of a faculty member in the department, a student may explore a topic of their own choosing which is not listed as a course offering.

*Prerequisite: Permission of the instructor*

#### **401 Seminar in Psychology**

Written papers and presentation of individual research projects which reflect an integration of the field of psychology. Required of all senior psychology majors.

*Prerequisite: Psychology 303*

#### **402-403 Internship**

Qualified students may be offered the opportunity to work as interns in agencies which offer significant roles for psychologists, e.g., schools, clinics, rehabilitation centers, or in industry or other typical organizations which offer opportunities to integrate academic studies in the liberal arts and in psychology with the practical aspects available in the site locations.

*Prerequisite: Junior or Senior Standing in the major*

## SOCIOLOGY

### **Chairperson: Dennis W. MacDonald**

Professors: Dennis W. MacDonald, Michael W. Smith; Associate Professor: Karen Lynch Frederick, Assistant Professors: Tauna S. Sisco, Sara Smits Keeney; Lecturers: Kimberly Calhoun, Jennifer Durant, Gary Eager, Daniel Forbes, Catherine Kuhn.

The study of Sociology gives the student an understanding and appreciation of the nature of society, social institutions, and people as social beings and creators of culture. Through systematic investigation and analysis, students gain knowledge and insight into the complex systems of relations constituting the modern world. Thus, students will be better prepared to make intelligent judgments in their own lives and to contribute more effectively to shaping society and the world.

Sociology provides a background for pursuing further study in sociology, business, law, social work, social services, counseling, communications, and other related areas. Sociology also prepares students for employment in the public and private sectors in such areas as management, public relations, human resources, applied research, public policy, administration, and teaching.

Sociology students may elect the general sociology or social work emphasis. In addition, sociology majors may in consultation with their advisors, concentrate their studies in a particular aspect or discipline. Current concentrations are in Law and Society, Global Studies, and Social Justice.

Major requirements: All majors are required to complete Sociology 101, 211, 212, 325, and 453. Students selecting the general sociology emphasis take an additional six sociology courses (excluding Sociology 357, 358, 454, and 455). Students selecting the social work emphasis, in addition to the above-mentioned requirements, and four additional courses in Sociology (excluding SO434 and 455), also take Sociology 255, 256, 357, and 358 or 359. Students with an interest in social work may select either the social work emphasis or the social work minor.

### **GENERAL SOCIOLOGY**

<b>Freshman Year</b>	Humanities I	Humanities II
	Freshman English 103	Freshman English 104
	Science	Science
	Language	Language
	Sociology 101	Sociology
<b>Sophomore Year</b>	Humanities III	Humanities IV
	Philosophy/Theology	Philosophy/Theology
	Language	Language
	Sociology	Sociology
	Elective	Elective

<b>Junior Year</b>	Philosophy/Theology Sociology 211 Sociology 325 Elective Elective	Philosophy/Theology Sociology 212 Sociology Elective Elective
<b>Senior Year</b>	Philosophy/Theology Sociology 453/Sociology Sociology Elective Elective	Philosophy/Theology Sociology/Sociology 453 Elective Elective Elective

### **SOCIAL WORK EMPHASIS**

<b>Freshman Year</b>	Humanities I Freshman English 103 Science Language Sociology 101	Humanities II Freshman English 104 Science Language Sociology
<b>Sophomore Year</b>	Humanities III Philosophy/Theology Language Sociology 255 Elective	Humanities IV Philosophy/Theology Language Sociology 256 Elective
<b>Junior Year</b>	Philosophy/Theology Sociology 211 Sociology 325 Sociology 357 Elective	Philosophy/Theology Sociology 212 Sociology Sociology 358 (359) Elective
<b>Senior Year</b>	Philosophy/Theology Sociology 453/Sociology Sociology Elective Elective	Philosophy/Theology Sociology/Sociology 453 Elective Elective Elective

### **SOCIOLOGY MINOR**

The Sociology minor provides an opportunity for students from other majors to explore aspects of the field of Sociology of interest to them. Students should consult with the department chair or another member of the Sociology faculty in order to design a program of study that complements their major and academic interests.

#### **Required Course:**

SO101 Introduction to Sociology

**Select one from the following:**

SO211 Research Methods  
SO212 Social Statistics  
SO325 Sociological Theory

**Select four other Sociology courses**

**SOCIAL WORK MINOR**

The Social Work minor equips students with the tools to: effectively engage in self-reflective social work practice to ensure an accepting, nonjudgmental and empowering approach with clients; better analyze social beliefs and attitudes regarding unmet human needs and current societal responses to those needs; apply important theories of human behavior to improve understanding and responses to individuals and groups; and assess social interventions.

Requirements for the Social Work minor include seven courses – four Social Work courses (SO255, 256, 357 and 358), Introductory Sociology, one elective course and a supervised fieldwork experience in some area of social work practice, typically a one-course internship (SO455) or the equivalent experience approved by the Director of the Social Work program.

SO101 Introductory Sociology  
SO255 Social Welfare: Poverty and Public Policy  
SO256 Social Services  
SO357 Social Work: Therapeutic Interviewing  
SO358 Social Work: Support Network Interventions or SO359 Special Topics in Social Work  
SO455 Internship/Fieldwork

**One elective selected from the following:**

SO204 Sociology of Aging, Dying, and Death  
SO205 The Family  
SO206 Social Problems  
SO215 Criminology  
SO216 Juvenile Delinquency  
SO221 Deviance and Social Control  
SO228 Sociology of Health and Illness  
SO230 Social Movements: People, Power and Change  
SO309 Gender and Society  
SO330 Race and Ethnic Relations  
SO335 Law and Society  
SO342 Social Inequality  
CJ328 Crisis Intervention  
CJ350 Victims of Crime and Social Injustice  
PY202 Child Psychology  
PY203 Adolescent Psychology

PY204 Psychology of Adulthood and Aging  
PY205 Psychology of Addiction and Dependency  
PY206 Health Psychology

### **101 Introduction to Sociology**

An introduction to the scientific study of human behavior in its social context. It explores the nature of social interaction, social structures and processes, and social institutions. It introduces basic sociological principles, methods, and major social theories.

### **202 American Society**

A study of the changing composition of the American social scene underscoring the factors relating to this change in the past and the current picture of American social institutions.

### **204 Sociology of Aging, Dying, and Death**

Aging is examined as a social process that occurs throughout an individual's life course until death. Topics include aging in relation to social institutions such as economy, family, education, and health. Differences in the aging process by race and ethnicity, social class, health status and disability are addressed. Cultural contrasts across societies and changes through history are studied. Sociological theories of aging are applied and compared.

### **205 The Family**

An analysis of the family as a social institution and of marriage as a system of social interaction. Emphasis is given to the family in America and the sub-cultures which form its history. Interactions between family members will be analyzed using a socio-psychological model and will focus on courtship practices and the problems of marital adjustment.

### **206 Social Problems**

An analysis of some of the fundamental problems of modern society. War and violence, hunger and poverty, problems of the workplace and the environment are among the problems typically explored.

### **211 Research Methods**

This course is designed to provide an overview of social research methods, the theory behind them, and their successful application. Students will explore how sociologists use scientific methods to answer questions about social problems, examine the different methods used to conduct research, and design a research project. Both quantitative and qualitative approaches will be explored.

*Prerequisite: SO101 or permission of the instructor*

### **212 Social Statistics**

An introduction to the logic and techniques of statistical analysis as applied to human behavior, including organization and presentation of statistical data, measures of centrality and dispersion, probability, sampling, hypothesis testing, estimation, tests of association and significance, and an introduction to multivariate techniques.

### **215 Criminology**

An examination of the relationship between crime and modern social life. The course will focus on the nature and types of crime and criminality, theories of crime and law, crime as a social problem, as well as the agencies and institutions through which society attempts to prevent and control crime.

### **216 Juvenile Delinquency**

An examination of juvenile delinquency and society's response to it. The course will focus on the nature and extent of the delinquency problem, theories of delinquency, delinquency policy, and the juvenile justice system.

### **218 Individual and Society**

An examination of social behavior among individuals in social and cultural contexts. Explored are the influences and consequences of social interaction in various social settings such as work, politics, and personal life.

### **221 Deviance and Social Control**

An examination of the origin, nature and scope of socially disapproved behavior. Special attention will be directed to mechanisms of social control utilized by different societies to limit deviant behavior. Among the substantive areas to be covered will be mental illness, addiction, violence, suicide and corporate and organizational deviances. In addition the course will compare and contrast images of deviance and social control historically and cross culturally.

### **228 Sociology of Health and Illness**

An examination of how societies address the health of their populations. Topics include cultural values, the meaning of health and illness, societies' economic forms, standard of living and social resources including income, gender, race, ethnicity as related to health. Also examined are ways societies organize to maintain health and provide care for health and illness, including economic and political processes, the health care delivery organizations, and the roles and statuses enacted by individuals.

### **229 Mass Media**

An examination of mass communication, its media, its content, and its effect on an audience. Inquiry is also directed toward the process and institution of public opinion and its place in the communication network. Propaganda is investigated as it offers a perspective on the nature of communication.

### **230 Social Movements: People, Power and Change**

Social Movements are organized for the purpose of promoting or resisting social change. This course explores major theoretical perspectives on social movements as well as concrete examples, including , but not limited to the peace movement, environmental movement, and civil rights movement. Students will research a social movement of their choosing and create a portfolio that illustrates the elements of the movement.

**309 Gender and Society**

An examination of the social and cultural significance of gender. The social and cultural processes that contribute to gender, the organization of gender within social institutions such as education, economy, politics, and family, and the relation of gender to social differences such as class, age, and race are explored and critiqued using relevant sociological theory and method.

**325 Sociological Theory**

A survey of the development of sociological theory from the Enlightenment to the present, the course will explore classical theory of Durkheim, Marx, Weber and its relationship to the development of contemporary social theory.

*Prerequisite: Sociology 101 or permission of the instructor.*

**330 Race and Ethnic Relations**

An examination of race and ethnicity with a particular emphasis on race and ethnic relations in society. Major themes and concepts include assimilation, power, exploitation, solidarity, inequality, prejudice, stereotyping, discrimination, racism, and ethnic conflict, both domestic and international, at the individual and institutional level. Issues and policies that have had an impact on racial and ethnic relations will be explored. Particular attention will be paid to the ways in which racism and ethnic conflict can be combated and social justice promoted.

**332 Peace, Conflict, and War**

This course is designed as a survey of the topics pertaining to peace, conflict, and war from a sociological perspective. The study of peace, conflict, and war is broad and diverse field and therefore this course highlights only a few subareas. Historical moments of peace, conflict, and war will be discussed. Students will scrutinize both how scholars understand and how people experience these moments. The course focuses on the cultural and structural elements of peace, conflict, war and violence in our daily lives to help us critically assess its importance and influence.

**333 Sociology of Genocide**

Genocide provokes heated, emotional debates due to the complexity, controversy and ambiguity of these political crimes against humanity. Through a socio-historical, interdisciplinary, cross-cultural and comparative case study approach, students will critically evaluate the root causes, responses, prosecutions, and future prevention of genocide. Our critical examination and analysis will include, but will not be limited to, the following genocides: Armenian, Soviet Union, Rape of Nanking, the Holocaust, Cambodian, Rwandan, and Sudanese.

**334 Global Society**

An examination of the global nature of social life in the modern world. Special emphasis will be given to globalization and development, important global social institutions and global social issues, particularly poverty, conflict and environmental degradation.

### **335 Law and Society**

This course is sociological analysis of law and legal structure in its social context. Students will evaluate law and legal institutions, especially in relation to equality, justice, and fairness, and how law is involved in the processes of social control, social conflict, and social change.

### **342 Social Inequality**

This course examines social stratification, the structures of inequality that are central to an understanding of group relations and individual opportunity. The main focus will be on inequality in the United States, but global inequality will also be examined. Major systems of stratification to be discussed are economic class, race, ethnicity, and gender. Other systems of inequality, such as those based on age, sexual orientation, religion, and disability, will also be examined.

### **343 Economy and Society**

This course is a sociological investigation of the relationship between the economy and society. The structure and function of economic institutions and their impact on individuals and groups will be examined. Topics that will be explored include, but are not limited to, industrialization, capitalism, wealth and social inequality, work, corporations, and globalization.

### **344 Political Sociology**

An analysis of how American political institutions, influence society and the social life of its citizens. Topics of discussion include economy, power, authority, media influence on politics and citizen participation.

*Prerequisite: Sociology 101 or Politics 104, or permission of the instructor.*

### **351 Special Topics in Sociology**

Detailed examination in a seminar format of a topic of current sociological interest or concern. The department will choose and announce the topic prior to course registration.

### **400 Independent Study**

### **453 Senior Seminar**

A required integrative course engaging seniors in empirical research. The student, under direction of a faculty member, develops theory, designs methods of research and data collection, analyzes data and, finally, presents conclusions in a formally structured research report. Open only to senior Sociology majors.

### **454/ 455 Internship**

The primary objective of the internship is to provide students with an opportunity to develop and apply their academic knowledge and skills through a supervised experience in a professional setting. The internship may be in the private or public sector in such settings as hospitals, schools, human services agencies, non-profit organizations, businesses, law offices, and the courts. SO454 is a six credit course and SO455 is a three credit course. Students may take up to nine credits of internship. Open to juniors and seniors.

## COURSES IN SOCIAL WORK

### **255 Social Welfare: Poverty and Public Policy**

Study of the philosophy and development of private and government welfare activities, with special emphasis on approaches to prevent and alleviate poverty. Included are examination and evaluation of public and private efforts in the areas of health, housing, food, and income maintenance.

### **256 Social Services**

A study of the areas in which social work is practiced, including common problems encountered and the role of the social worker. Areas covered include family and child services, work with the aged, mental health, medical and school social work, and corrections.

### **357 Social Work: Therapeutic Interviewing**

An introduction to social work practice, values, and principles. Special emphasis is given to developing the knowledge and skills required for therapeutic interviewing and problem-solving with clients.

### **358 Social Work: Support Network Interventions**

An introduction to the operation of social-support networks and to the complexities of informal non-professional helping. Special emphasis is given to the role of the worker in establishing, maintaining, and enhancing informal networks.

### **359 Selected Topics in Social Work**

Detailed examination of important social work topics. The department will choose and announce the topic prior to course registration.

## THEOLOGY

### **Chairperson: Daniel J. Daly**

Professors: Rev. Benedict M. Guevin, O.S.B., R. Ward Holder, Kevin A. McMahon, Sr. Maureen E. Sullivan, O.P., Patricia A. Sullivan, Dennis M. Sweetland; Associate Professors: Daniel J. Daly, Ahida Pilarski, Kelley E. Spoerl; Assistant Professor: Bede Benjamin Bidlack; Instructor: Nichole M. Flores.

In a Catholic liberal arts college, the study of theology occupies an essential position in the core curriculum. Generally speaking, theological inquiry seeks an understanding of the mystery of God and of the human condition. Specifically, the task of Christian theology is to express meaningfully the revelation of Jesus, and to examine and explain the faith of the Christian community in its historical and contemporary context. Theology is equally concerned with the practical implications of living a life of faith, particularly in its moral, spiritual, and liturgical dimensions.

Students majoring in Theology complete 12 courses in Theology. These include Theology 100, 255 or 256, 270, 320, 351, and one additional course in each of the following areas: Old or New Testament, systematic theology, and theological ethics. The remaining courses are electives, one of which must be in seminar format. The successful completion of a comprehensive examination is also required of theology majors.

<b>Freshman Year</b>	Humanities I Freshman English 103 Science Language Theology 100	Humanities II Freshman English 104 Science Language Theology
<b>Sophomore Year</b>	Humanities III Philosophy/Elective Elective Language Theology	Humanities IV Philosophy/Elective Elective Language Theology
<b>Junior Year</b>	Philosophy/Elective Theology Theology Elective Elective	Philosophy/Elective Theology Theology Elective Elective
<b>Senior Year</b>	Philosophy/Elective Theology Theology Elective Elective	Philosophy/Elective Theology Theology Elective Elective

## **THEOLOGY MINOR**

The Theology minor is intended to provide the opportunity for developed reflection on the content of Christian faith as well as non-Christian religious traditions, and to permit the integration of these interests with study in other academic fields, from literature, philosophy and ethics to sociology, psychology, and politics.

The minor in Theology will require six courses including a bible course, either TH351 (Christology) or TH352 (The Trinity), a course in historical theology, a course in theological ethics, and any other two courses offered in the Department of Theology.

### **100 Biblical Theology**

An introduction to Divine Revelation enabling students to gain an understanding of the total Bible—the Old Testament and the New Testament.

### **220 Religion in America**

A study of the role of religion in the American experience from the colonial period to the present. The focus of the course is on the place of religion in the history and culture of the United States. The course examines the development of Protestant, Catholic, and Jewish traditions as well as Native American religions and new and alternative religions in American society.

### **250 Catholic Vision**

This course provides an introductory survey of the distinctive vision of the Catholic tradition as that vision has been articulated in doctrine, practice, and culture.

### **251 The Sacraments**

The sacramental life of the Church, from New Testament times to the recent reforms, is studied using scriptural, patristic and liturgical sources, conciliar teachings, and theological reflection.

### **252 The Eucharist**

Studies the Eucharist in the life of the Church in its historical roots in the life of Christ, in the early Church, in medieval developments and modern reforms, particularly since Vatican II. Theological reflections on biblical data and patristic and medieval practices are complemented by contemporary studies.

### **253 Christian Spirituality**

An historical overview of the practice of Christian discipleship through the centuries, with a specific focus on several major schools of Catholic Christian spirituality including desert monastic, Benedictine, Franciscan, Dominican, Carmelite, Jesuit, and Salesian traditions.

### **254 Christian Saints**

A study of Christian saints and their ecclesiological, historical, liturgical and spiritual importance to Catholic Christians especially. The course examines official church documents pertaining to the saints, the Church's

procedures for declaring sainthood, writings of and about the saints, historical and systematic studies of saints and sainthood, and popular traditions associated with the saints.

### **255 Religions of the West**

A study of the major monotheistic religious traditions originating in the Ancient Near East: Judaism, Christianity, and Islam. The course concentrates on the history, thought, and practice of the three great Abrahamic traditions. Special attention is given to the contemporary varieties of each tradition.

### **256 Religions of Asia**

A survey of the major religious traditions of South and East Asian origin, and the Church's response to them. Topics have included: Hinduism, Jainism, Buddhism, Sikhism, and the traditional and new religions of China, Korea, and Japan.

### **270 Christian Moral Life**

Examines the eucharistic character of Christian moral life. It studies the virtues of this life, precepts derived from Scripture and the teaching Tradition of the Church, the application of these precepts to contemporary issues, and the nourishing of moral life through the Sacraments.

### **300 The Pentateuch**

Considers the first five books of the Old Testament and the historical development of the oral and written traditions that went into their making.

### **301 The Prophets**

A study of the writings of the prophets of the Old Testament.

### **310 The Gospels**

A study of the Gospels of Matthew, Mark, Luke and John which examines the sources, literary character, and theological purpose of each Gospel.

### **315 Writings of Saint Paul**

Investigates the life of Paul and the content of his letters, with emphasis on his characteristic theological ideas.

### **320 The Early Church**

An introduction to the history of the early Christian movement up to 450 A.D., which addresses institutional, theological, and devotional developments in this foundational period as revealed through primary texts and the statements of Church councils.

### **321 Medieval Theology**

A study of the major figures whose thought influenced the shape and content of Western theology from the time of Augustine to the 13th century.

### **322 Reformation Theology**

An examination and critical evaluation of the theologies of the Reformation period, including those of the Humanist, Lutheran, Calvinist, Radical and Catholic reformers.

### **330 Women in the Catholic Tradition**

This course examines the historical contributions of women to the thought and practice of the Catholic religion from New Testament to modern times. Lectures and readings in primary texts examine women's involvement in early Christian martyrdom, in monasticism, ministry, and Church reform, as well as women's contributions in the areas of doctrine and spirituality. Figures studied have included Perpetua of Carthage, Hildegard of Bingen, Catherine of Siena, Teresa of Avila, Teresa of Lisieux, and Mother Teresa of Calcutta.

### **331 Protestant Theology**

A study of the development of Protestant religious thought from the 18th century to the present.

### **350 Approaches to God**

An inquiry into the manner in which contemporary Christians come to an awareness of God and how, once aware, people respond to and live in relationship to this Mystery.

### **351 Christology**

A study of the significance of the person and work of Jesus Christ as presented in the New Testament and Church councils, and interpreted in the writings of the Fathers of the Church, and of theologians.

### **352 The Trinity**

A study of the origin, history, and meaning of the doctrine of the Trinity and its implications for Christian life.

### **353 The Church**

An investigation of the nature of the Church as both mystery and institution, emphasizing the Church in biblical imagery, the ministry, the idea of reform, and the future of the Church.

### **354 Liberation Theology**

Examines this contemporary and distinct theological method beginning with its roots in Latin America, and its historical, socio-political, and pastoral ramifications.

### **355 Christian Marriage**

Marriage viewed in its sacramental dimension as a Christian mystery. The biblical, theological, and canonical foundations of the relationship of man and woman are presented.

### **369 Special Topics**

A study of selected issues in Theology.

### **370 Sexual Ethics**

This course introduces the student to the Church's teaching on sexual ethics. Scripture and tradition will serve as the foundation for an examination of a variety of sexual issues, as well as the virtue of chastity.

**371 Medical Ethics**

An investigation of the moral problems which can arise in the practice of modern medicine. A brief historical survey of medical ethics is followed by a study of the basic Christian principles of morality. Questions discussed include the concept of health and illness, the inception, preservation, and termination of human life.

**372 Christian Social Ethics**

A study of the Christian social tradition, with special emphasis on Catholic social thought. The course begins with the scriptural foundations of Christian social ethics, as well as foundations located in the Christian tradition. The remainder of the course addresses questions concerning issues of justice in the contemporary world from a Christian perspective. Issues include poverty, globalization, war and peace, the environment, and consumerism.

**400 Independent Study**

**401 Seminar**

An opportunity for critical examination of a selected topic or a particular theologian. It is designed for theology majors. Non-majors may register for the course with the consent of the instructor.

**480 Theology Internship**

Student-originated theology internships, supervised by faculty of the Theology Department

## NURSING

### **Dean of Nursing: Sharon A. George**

Program Coordinator: Karen S. Grafton; Professors: Margaret A. Carson, Kathleen O. Perrin; Associate Professors: Catherine J. Fogg, Deborah McCarter-Spaulling, Antonia Nelson, Maureen O'Reilly, Caryn A. Sheehan; Assistant Professor: Margaret J. Walker; Instructors: Ann L. Fournier, Lynne Sheppard; Clinical Nursing Faculty (full-time): Laurie A. Bennett, Destiny Brady, Kathleen Cahill, Kelly Nordstrom, Ellen Sanborn, Pamela Preston-Safarz, Jane K. Sobolov; Nursing Lab Instructor: Stacy Toupin, Clinical Nursing Faculty (part-time): Dana Bisson, Brenda Cooper, Lise deLongchamp, Amy Dooley, James Gaynor, Mary Ann Kelly, Danielle Leone, Jane Leonard, Carolyn Lopiano, Martha Lynch, Kelly White; Lecturer: Grace Trivers.

### **Philosophy**

The Philosophy of the Department of Nursing is consistent with the Philosophy of Saint Anselm College, a Catholic liberal arts institution in the Benedictine tradition. The nursing program builds on the foundation of a liberal arts baccalaureate education and Christian/Catholic values and ethics. The Department of Nursing views nursing as a profession which utilizes both art and science in the provision of patient-centered care that is creative, goal-directed and evidence-based. The primary commitment of the nurse is to the health and well-being of the patient and society.

### **Mission**

In keeping with the mission of Saint Anselm College and the Catholic, Benedictine tradition, the Mission of the Department of Nursing is to educate the Saint Anselm student nurse to become a professional who can:

- think critically
- provide safe, high quality care based on the most current evidence
- utilize information technology
- practice holistically and collaboratively while caring for diverse individuals, families, communities and populations
- demonstrate leadership in a variety of settings
- engage in service to others
- pursue lifelong learning

### **General Information regarding the Department of Nursing**

The Department of Nursing offers three programs in nursing education: a generic Baccalaureate Program, an RN to BSN Degree Program, and a Continuing Nursing Education Program. The degree program in the Department leads to the Bachelor of Science degree in Nursing. Courses taken in the Department of Nursing are not applicable to the Bachelor of Arts degree.

## Admission Requirements

A candidate for admission to the nursing program is considered individually by the committee on admissions and must meet all college requirements. The high school transcript must show that the student has completed at least 10 of a total 16 units in the following areas: English, mathematics, language, social, physical and biological sciences. A college preparatory chemistry course is required. The minimum mathematics requirement must include Algebra I & II and Geometry.

The nursing major at Saint Anselm College is a four-year program with a determined number of participating students. Therefore, the College limits the number of students accepted into the nursing program. Candidates interested in the nursing major should indicate this preference at the time of submitting an application. An Open House for senior high school students is conducted as part of the College Open House. Information may be obtained from the College Admissions Office.

**Personal Qualifications:** Personal qualities, such as maturity, sense of responsibility, emotional stability, integrity, respect for others, and moral character determine to a great degree whether a student will be successful in the field of nursing. Health status must meet all requirements of the nursing program. All students are required to have a criminal background check and drug screen as part of the admission process.

**Class Attendance:** When enrolled in a nursing course, a student may not be absent without express permission of the program coordinator of the Department of Nursing or the faculty member involved. Absence from class or the clinical area will be excused only in case of illness or other serious cause. Make-up time for clinical absences is required.

**Student Representation:** Nursing majors serve as members on each standing committee of the department.

**Cooperating Health Care Agencies:** Numerous area health care agencies.

**Student Expenses:** Expenses for nursing majors are the same as for other students enrolled in the College with the following additional charges subject to adjustment: 1) Uniforms and equipment approximately \$250; 2) Annual Student Liability Insurance Premium of approximately \$20.00 commencing sophomore year, and 3) Annual clinical fee of approximately \$1,520 for each of the junior and senior years, and \$390 for sophomore year, for second semester only; 4) Clinical absence make-up fee.

**Transportation:** Each student must have use of a car as early as second semester sophomore year due to individual community and clinical assignments.

**Health Requirements:** Health and immunizations are monitored to meet the basic requirements of clinical affiliations and to assist in the maintenance of physical and emotional health necessary to meet the demands of the curriculum. Required immunizations include: Current TB (Mantoux) test within one year (two step TB is required prior to entering the Junior year); two doses of Measles-Mumps-Rubella (MMR); Tetanus/Diphtheria/Pertussis (Tdap) within 10 years; Hepatitis B series. A Varicella titer and Hepatitis-B titer are required before entering sophomore year. During the

sophomore, junior and senior years, students must provide evidence of yearly tuberculosis testing. A Flu Shot is highly recommended for all nursing majors. Preexisting health problems must be brought to the attention of the Dean of Nursing. The problems remain the responsibility of the student and/or parents or guardians and may not interfere with the goals of the program. In the fall, a flu shot or a signed waiver is required for nursing majors. The flu shot can be obtained at the College Health Services for a small fee. Please note: Most clinical sites require that staff/students who do not receive a flu shot must sign a waiver and wear a mask when providing patient care.

**Criminal Background Check:** All students are required to have a criminal background check and drug screening prior to entrance into the nursing program. Some agencies require annual background checks.

**CPR Certification** – By August 1st of the Sophomore year, nursing majors must provide evidence of completion of a CPR course for health care providers.

**Hospitalization and Health Insurance:** Neither Saint Anselm College nor the cooperating agencies provide student hospitalization or health insurance coverage. An insurance plan is available for the convenience of students who are not already enrolled in a family plan. Sophomore, junior and senior nursing majors must provide evidence of current health insurance coverage.

### **Class Standing and Promotion**

#### **Policy:**

Candidates for a Bachelor of Science (in Nursing) degree must complete all of the following:

1. Successfully complete 40 courses.
2. Achieve a grade of “C-” or higher in Anatomy and Physiology I, Anatomy and Physiology II. Achieve a grade of “C” or higher in each of the nursing courses including Pathopharmacology I and Pathopharmacology II.
3. Maintain a cumulative grade point average (CGPA) of 2.2 or higher by the completion of Freshman year and every semester thereafter.
4. Successfully pass a multi-part comprehensive examination.

#### **Procedures:**

1. Freshmen must (1) achieve a grade of “C” or higher in Introduction to Professional Nursing, and (2) have completed successfully 10 courses with a CGPA of 2.2 or higher to qualify for promotion to sophomore year.
2. First and second semester sophomores must (1) achieve an average of “C” or higher in the exam portion and the overall grade of the nursing courses. Students receiving a “C-” or less on the exam portion of the grades will receive no more than a “C-” for a final course grade, (2) achieve a grade of “C-” or higher in Anatomy and Physiology I and Anatomy and Physiology II, (3) have a CGPA of 2.2 or higher and complete 20 courses to qualify for promotion to junior year.

3. First and second semester juniors must (1) achieve an average of “C” or higher in the exam portion and the overall grade of the nursing courses. Students receiving a “C-” or less on the exam portion of the grades will receive no more than a “C-” for a final course grade, (2) have a CGPA of 2.2 or higher and complete 30 courses to qualify for promotion to senior year.
4. First and second semester seniors must (1) achieve an average of “C” or higher in the exam portion and the overall grade of the nursing courses. Students receiving a “C-” or less on the exam portion of the grades will receive no more than a “C-” for a final course grade, (2) pass a multi-part comprehensive examination, (3) have a CGPA of 2.2 or higher and successfully complete a total of 40 courses to qualify for graduation.

A “C” in the nursing courses is considered to be the numerical equivalent of 70-73.9.

Failure of any clinical rotation will result in failure of the course. Upon receipt of a clinical failure, the student will receive an “NP” No Pass notation for the entire course. If the student is allowed to repeat the course, the student will receive no more than a grade of “C” for the course. Refer to Clinical Failure Policy.

A student is allowed to repeat one nursing course only.

### **Course Sequence**

#### **Freshman Year – First Semester**

BI107 Elementary Biochemistry  
 PY101 General Psychology I  
 HU101 Humanities I  
 EN103 Freshman English  
 SO101 Intro to Sociology

#### **Freshman Year – Second Semester**

NU110 Introduction to Professional Nursing  
 BI108 Microbiology  
 HU102 Humanities II  
 EN104 Freshman English  
 PH105 Philosophy / TH100 Theology

#### **Sophomore Year – First Semester**

NU126 Health Assessment & Fundamentals of Nursing  
 BI331 Anatomy & Physiology I  
 HU201 Humanities III  
 PH105 Philosophy / TH100 Theology Elective #1

#### **Sophomore Year – Second Semester**

NU127 Nursing Care of the Elderly and Chronically III  
 NU238 Pathopharmacology I  
 BI332 Anatomy & Physiology II  
 HU202 Humanities IV

**Junior Year – First Semester**

NU236 Adult Medical Surgical Nursing  
NU239 Pathopharmacology II  
\*PH107 Ethics / Elective #2  
ED315 Human Growth & Ethics Development

**Junior Year – Second Semester**

NU340 Critical Care Nursing  
NU343 Psychiatric-Mental Health Nursing  
SO212 Statistics / TH371 Medical Ethics  
\*PH107 Ethics / Elective #2  
THE Theology /\*\*PHE Philosophy  
or  
NU341 Pediatric Nursing  
NU342 Maternal-Newborn Nursing  
SO212 Statistics / TH371 Medical Ethics  
\*PH107 Ethics / Elective #2  
THE Theology /\*\*PHE Philosophy

**Senior Year – First Semester**

NU340 Critical Care Nursing  
NU343 Psychiatric-Mental Health Nursing  
NU448 Professional Nursing  
SO212 Statistics / TH371 Med Ethics  
PHE Philosophy / THE Theology  
or  
NU341 Pediatric Nursing  
NU342 Maternal-Newborn Nursing  
NU448 Professional Nursing  
SO212 Statistics / TH371 Medical Ethics  
PHE Philosophy / THE Theology

**Senior Year – Second Semester**

NU449 Community Health Nursing  
NU450 Nursing Synthesis  
PHE Philosophy / THE Theology / Elective #3

\* PH107 Ethics should be taken before TH371 Med Ethics

\*\*PH105 and PH107 should both be taken before Philosophy elective

**Course Sequence- Class of 2016****Freshman Year – First Semester**

- BI107 Elementary Biochemistry
- PY101 General Psychology I
- HU101 Humanities I
- EN103 Freshman English
- SO101 Intro to Sociology

**Freshman Year – Second Semester**

- NU110 Introduction to Professional Nursing
- BI108 Microbiology
- HU102 Humanities II
- EN104 Freshman English
- PH105 Philosophy / TH100 Theology

**Sophomore Year – First Semester**

- NU126 Health Assessment & Fundamentals of Nursing
- BI331 Anatomy & Physiology I
- HU201 Humanities III
- PH105 Philosophy /TH100 Theology Elective #1
- NU125 Mental Health Nursing

**Sophomore Year – Second Semester**

- NU127 Nursing Care of the Elderly and Chronically III
- NU238 Pathopharmacology I
- BI332 Anatomy & Physiology II
- HU202 Humanities IV

**Junior Year – First Semester**

- NU236 Adult Medical Surgical Nursing
- NU239 Pathopharmacology II
- \*PH107 Ethics / Elective #2
- ED315 Human Growth & Development

**Junior Year – Second Semester**

- NU340 Critical Care Nursing
- NU449 Community Health Nursing
- \*PH107 Ethics / Elective
- TH371 Medical Ethics / Elective\*
- THE Theology /\*\*PHE Philosophy/ Elective  
or
- NU341 Pediatric Nursing
- NU342 Maternal-Newborn Nursing
- \*PH107 Ethics / Elective
- THE Theology /\*\*PHE Philosophy/ Elective

### **Senior Year – First Semester**

NU340 Critical Care Nursing  
NU449 Community Health Nursing  
NU448 Professional Nursing  
TH371 Medical Ethics/Elective\*  
PHE Philosophy / THE Theology / Elective\*  
or  
NU341 Pediatric Nursing  
NU342 Maternal-Newborn Nursing  
NU448 Professional Nursing  
TH371 Medical Ethics/Elective\*  
PHE Philosophy / THE Theology / Elective\*

### **Senior Year – Second Semester**

SO212 Statistics  
NU450 Nursing Synthesis

\* PH107 Ethics should be taken before TH371 Med Ethics

\*\*PH105 and PH107 should both be taken before Philosophy elective

## **Course Descriptions**

### **110 Introduction to Professional Nursing**

This course introduces the student to the art and science of the profession of nursing. A historical perspective allows students to explore nursing history, the development of nursing theory, research, and the role of the nurse within the health care system. Issues and challenges that impact the profession are explored. Three credits.

Note: This course and those that follow in the nursing sequence apply only to the Bachelor of Science in Nursing degree and may not be used to fulfill the requirements for a Bachelor of Arts degree.

### **125 Mental Health Nursing**

This course introduces the student to the art and science of mental health nursing. Mental illness is a biochemically based process, occurring across a health illness continuum, impacted by developmental, sociocultural, psychological, physiological, and spiritual variables. A lifespan approach is incorporated into the course in order to provide appropriate care to the individual, family, and the community. Three credits.

### **126 Health Assessment & Fundamentals of Nursing**

Course content focuses on the development of health assessment and basic skills essential to professional nursing practice utilizing guided classroom and clinical/laboratory learning opportunities. The nursing process and functional health patterns provide a framework for the assessment of clients across the lifespan. Four credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it.*

**127 Nursing Care of the Elderly and Chronically III**

The focus of this course is on the care of patients with chronic illness, with a concentration on interventions for geriatric patients. Course content is integrated into classroom, laboratory, simulation and clinical settings. Clinical assignments are in rehabilitation/long term care facilities. Six credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it.*

**236 Adult Medical Surgical Nursing**

The focus of this course is on the care of acutely ill adult patients, with a concentration on interventions for common medical and surgical disorders. Course content is integrated into classroom, laboratory, simulation and clinical settings. Clinical assignments are on medical and/or surgical units in the hospital setting. Eight credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it.*

**238 Pathopharmacology I**

This course focuses on the pathophysiology of disease and its relationship to pharmacological interventions. Utilizing the nursing process, the student will examine disease states affecting the neurological, neuromuscular, endocrine, cardiac, renal, respiratory, ophthalmological and otological systems. Emphasis will be on the role of the nurse in creating a safe patient environment and in evaluating the patient's response to drug therapy. Format will be lecture and seminar for case study analysis. Three credits.

**239 Pathopharmacology II**

This course focuses on the pathophysiology of disease and its relationship to pharmacological interventions. Utilizing the nursing process, the student will examine disease states affecting the endocrine, cardiovascular, immune, gastrointestinal, renal and reproductive systems as well as antibiotic therapy. Emphasis will be on the role of the nurse in creating a safe patient environment and in evaluating the patient's response to drug therapy. Format will be lecture and seminar for case study analysis. Three credits.

**340 Critical Care Nursing**

This course focuses on development of students' ability to utilize the nursing process to care for acutely ill adult patients. Students will use communication skills, therapeutic nursing interventions, and critical thinking to assist patients to attain the optimal level of wellness. Clinical placement in EDs and ICUs of community hospitals will permit students to develop the appropriate assessment, diagnosis, intervention, and evaluation skills. Course content includes: respiratory failure, acute coronary syndromes and complications, trauma, increased intra-cranial pressure, spinal cord injuries, end stage liver and kidney disease, transplants, and burns. Four credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

**341 Pediatric Nursing**

This course focuses on development of students' ability to utilize the nursing process to maintain optimum wellness in the child. Emphasis is placed on caring for the child in the context of the family. Principles of growth and development, health promotion, child advocacy and communication are integrated throughout the course. A holistic framework is used to critically examine the biological, psychological socio-cultural, developmental and spiritual variables, which influence the child and family's response to alterations in health status. Clinical practice takes place in hospitals and community settings such as schools, clinics, and home settings. Four credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

**342 Maternal-Newborn Nursing**

This course focuses on development of students' ability to utilize the nursing process to maintain optimum wellness in the childbearing family. Students will use communication skills, therapeutic nursing interventions, critical thinking and knowledge of cultural diversity to assist childbearing families to achieve a maximum level of wellness. Opportunities for students to develop assessment skills, identify nursing diagnoses, and plan, implement, and evaluate nursing care are provided in clinical placements. Course content includes pregnancy, childbirth, postpartum, care of healthy newborns, prenatal, intrapartum and postpartum complications, and various reproductive health issues. Four credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

**343 Psychiatric-Mental Health Nursing**

Essential components of psychiatric and mental health nursing are presented in this course. Students develop therapeutic relationships with and provide nursing care for special populations of clients experiencing acute or chronic psychopathology. Clinical assignments take place in both inpatient and outpatient settings. Students are introduced to mental disorders as biochemical-based disease processes impacted by developmental, sociocultural, psychological, physiological, and spiritual variables occurring along a continuum of mental health and alterations in mental illness. A lifespan approach is incorporated which includes primary, secondary, and tertiary interventions. Four credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

**448 Professional Nursing**

This course focuses on developing the role of the professional nurse. Components of the role examined in this course include: being a member of a health care team and a health care organization, leading/managing nursing care delivery, and understanding how health care delivery is financed. Other considerations include: trends and challenges that influence

the nursing profession, the importance of nursing research, and the nurse's role as a consumer of research, research utilization, and evidence-based practice. Three credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

#### **449 Community Health Nursing**

The focus of this course is the community as client. The student will explore the role of the community health nurse in health promotion and disease prevention. The relevance and application of epidemiology, communicable disease control, environmental health, vulnerable populations, and legal and ethical issues to the global health care environment are explored. Students will conduct a Community Assessment of a selected community utilizing Gordon's functional health patterns. Data will be statistically analyzed to identify health risks. Students will plan, implement, and evaluate an activity/program to address the identified priority problem. Four credits.

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

#### **450 Nursing Synthesis**

This course is intended to build, integrate and refine the knowledge and skills developed throughout the nursing curriculum. Application of critical thinking, therapeutic communication, ethical decision making, and professionalism is facilitated through clinical practice, special projects, and scholarly work. The semester long clinical experience consists of a preceptorship individually developed by the student and faculty. Nine credits.

*Prerequisite: This course requires successful completion of all the nursing courses preceding it.*

#### **Elective Courses:**

##### **360 Understanding Suffering**

The purpose of this course is to assist the student to define and recognize various aspects of suffering as well as to explore approaches that promote hope and healing for those suffering. Suffering is a universal concept with physical, psychological, sociocultural, developmental, and spiritual aspects that occurs within all cultures and across the lifespan. Suffering may have acute and/or chronic implications for an individual and/or community. Three credits. Elective

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

##### **361 Holistic Nursing Practice**

The purpose of this course is to provide an introduction to Holistic nursing practice and an overview of selected healing modalities. Discussion, demonstrations and/or experiential sessions are utilized to facilitate an understanding of these modalities. The emphasis is on developing an

evidence based practice and in examining the implications of Holistic nursing in practice and research. Three credits. Elective

*Prerequisite: This course requires successful completion of the nursing courses preceding it up to and including NU236.*

### **370 Contemporary Health Issues in Art, Film, and Literature**

This course explores the health-illness continuum through the prism of art, film and literature. Students will examine health issues as they are impacted by individual responses, family dynamics, culture, and institutional/societal influences. Through the various media representations the student will gain a deeper understanding of the complexity of the illness experience and the care provided.

## **RN TO BSN PROGRAM**

### **Director of RN to BSN Program: Rosemary Theroux**

Faculty: Dan Daly, Jane Leonard, Emily Sheff, Katherine Cahill, Catherine Fogg, Robert Augros, Destiny Brady, Pamela Preston-Safarz.

In the increasingly complex global health care environment, the need for a more highly prepared nursing workforce is essential to insure quality, safe care for all patients. A baccalaureate education in nursing is rapidly becoming the minimum level required for entry into professional nursing practice. According to a report by the Institute of Medicine, health care can be improved by the achievement of higher levels of nursing education. Nursing education should provide a seamless transition from the associate degree to the BSN degree.

In order to provide that transition, Saint Anselm College's Department of Nursing has developed a program for the associate degree graduate. A hybrid model has been developed. Hybrid courses are a combination of on campus and online delivery. The combination of these learning methods provides flexibility for adult learners. During an 8 week period students will attend two on-campus meetings combined with six online classes. The online course content is done on a weekly basis.

Students will transfer coursework from their Associate Degree program and complete the remaining courses for the BSN degree at Saint Anselm. The program can be completed in as little as 15 months or longer depending on the student's preference. Courses are offered on a rotating basis. There is no course load requirement so students are able to progress at a pace that is amenable to their lifestyle, taking one or two courses every eight weeks. The program content for the RN-to-BSN Degree has been developed from the suggested framework of the American Association of Colleges of Nursing, The Essentials of Baccalaureate Education for Professional Nursing Education (AACN, 2008). Essential competencies for the nurse of the future guide the content of the courses.

**Admission Requirements**

Students will be admitted to the RN-to-BSN program who have graduated from an accredited associate degree nursing program with a final GPA of 2.75 or above and who hold a current registered nurse license. If the applicant has not worked in the role of a registered nurse within the last 5 years, a competency lab and medication/math exam will be scheduled and must be passed with a score of 90 percent or higher. Students may apply for admission throughout the year and applications will be reviewed on a rolling basis.

**To apply for admission students must submit the following:**

Online application (Application on website, transfer student)  
Official high school and college transcripts  
Copy of Registered Nurse License  
Statement of goals for obtaining a BSN degree  
Written summary of your experience in nursing  
Interview with Director of RN-to-BSN program

**Program Requirements**

To obtain a BSN degree at Saint Anselm College, RN-to-BSN students complete 120 credits through transfer credits, challenge exams (CLEP), and Saint Anselm courses. Students must receive a “C” or higher in all transferred courses or the equivalent in challenge exams (CLEP). A minimum of 42 credits, 33 of which are nursing courses, must be taken at Saint Anselm College.

The following are prerequisites to the program and must come in as transfer or CLEP

Anatomy and Physiology I and II, with lab (8 credits)  
Psychology (3 credits)  
Sociology (3 credits)  
Microbiology (4 credits)

**Core Requirements**

Philosophy Elective (3 credits) – may transfer with approval  
Social Statistics – (3 credits) – may transfer  
Theology Elective (3 credits) – may transfer  
Humanities (3 credits) – may transfer from any course in the humanities including language, literature, art (including music), philosophy, religion, and history  
English Composition I and II, or equivalent (6 credits)  
Ethics (3 credits) – PHRN107 (must be taken at Saint Anselm College)  
Medical Ethics (3 credits) – THRN425 (must be taken at Saint Anselm College)

### **Major Requirements**

NURN451 Leadership and Management in Professional Nursing (4 credits)

NURN452 Health Assessment (4 credits)

NURN453 Pharmacology for the RN (4 credits)

NURN454 Community Health (4 credits)

NURN455 Evidence-Based Nursing Research (4 credits)

NURN456 Nursing Informatics (4 credits)

NURN457 Nursing Capstone Practicum (6 credits)

Elective (3 credits) NURN360 Understanding Suffering or NURN361 Holistic Nursing Practice

(These courses must be taken at Saint Anselm College. They may be taken in any order except for NURN457, which is the final course).

### **Course Descriptions**

#### **NURN451 Leadership and Management in Professional Nursing**

The purpose of this course is to engage the RN-BSN student in the theoretical study and practical application of the fundamentals and requisites for successful leadership development – Decision making, problem solving and critical thinking.

#### **NURN452 Health Assessment**

This course assists the registered nurse in gaining a more thorough understanding of health assessment techniques and interpretation. Students will learn assessment techniques for each body system, focusing on in-depth examination techniques, normal age-related changes, communication, and how to take a health history. Students will practice health assessment techniques in a laboratory setting and will perform a systematic health history and physical examination.

#### **NURN453 Pharmacology for the RN**

This course builds upon the RN's knowledge of relationship of pathophysiology of disease and pharmacological interventions. Utilizing the nursing process, the RN will examine the manifestations and pharmacological management of disease in major organ systems of the human body through therapeutic terms, drug actions, dosage, toxicology, and application of drugs in the clinical setting. Emphasis will be on the role of the bachelor's prepared RN to creating a safe environment, integrating evidence, and clinical judgment in planning, implementing and evaluating the patient's response to treatment.

#### **NURN454 Community Health**

The focus of this course is the community as client. The relevance and application epidemiology, communicable disease control, environmental health, vulnerable populations, and legal and ethical issues to the global health care environment are explored. Students will conduct a Community Assessment of a selected community. Data will be analyzed to identify health risks.

**NURN455 Evidence-Based Nursing Research**

This course focuses on the research process and evidence-based care. The student will learn to read, critique, and determine how to utilize research in nursing practice. The course provides the student with an understanding of the evidence-based process and its application to nursing care. Students will be able to access sources of evidence through databases, utilize a model to translate the evidence to practice, and have the knowledge and skills to participate on a team of health care providers implementing evidence-based care.

**NURN456 Nursing Informatics**

This course introduces nursing informatics as an integration of nursing, computer, and information sciences for the support of nursing practice and health care delivery. It will acquaint practicing nurses with the effective utilization of technology and its applications throughout all aspects of health delivery. Knowledge and skills in information management and technology and in the use of computer resources to locate information for quality care are incorporated.

**NURN457 Nursing Capstone Practicum**

The course is designed to match individual interests with a unique preceptorship experience. The course is intended to build, integrate, and refine the knowledge, competencies, and skills developed throughout the curriculum. The concepts of professionalism, system-based practice, and multi-disciplinary collaboration will be emphasized. Students will develop a project related to their chosen practicum.

**PHRN107 Ethics**

This course is a systematic study of the rational principles of moral behavior and philosophical methods of making moral decisions with special emphasis on the philosophical basis of the dignity of the human person. Our aim is to provide an understanding of the types of moral behavior that come into question in human life, and within Nursing in particular, on the basis of natural reason alone without the aid of revelation. We will study traditional philosophical views on the basis of morality such as Virtue Ethics, Natural Law Theory, Utilitarianism, and Kantian Deontological Ethics. We will learn basic methods of moral reasoning in applying the principles of these theories to specific issues and problems that arise in Nursing. We will also consider the philosophical basis of human dignity, the nature of human suffering, and the ethical requirements of care. Each week will combine a topic in philosophical theory with a discussion of issues and examples from a particular area of real nursing practice.

**THRN425 Medical Ethics**

This course endeavors to educate the student in: basic concepts in theology; the Christian Scriptures; and in medical ethics, with a special emphasis on Catholic medical ethics. In order to achieve this goal the first part of the course investigates the foundations of medical ethics. The second part of the course focuses on issues in applied medical ethics. The points of departure for these investigations are Scriptural texts, relevant

papal encyclicals, and works in Catholic moral theology, and secular medical ethics.

At the conclusion of the course the student should have: a firm grasp of the Catholic medical ethical tradition; an understanding of contemporary issues in medical ethics; and the ability to engage in questions of applied medical ethics.

### **Nursing Elective Courses**

#### **NURN360 Understanding Suffering**

This course will assist the student in defining and recognizing various aspects of suffering as well as to promote approaches that promote health and healing. Suffering is a universal concept with physical, psychological, sociocultural, developmental, and spiritual aspects. Suffering may have acute and/or chronic implications for an individual and/or community.

#### **NURN361 Holistic Nursing Practice**

This course will provide an introduction to holistic nursing practice and an overview of selected healing modalities. Holistic nursing is the most complete way to conceptualize and practice professional nursing. The emphasis is on developing an evidence-based practice and examining implications of Holistic Nursing in practice and research.

#### **NURN375 Special Topic in Nursing**

## INTERDISCIPLINARY MINORS

The College offers a program of interdisciplinary minors that is related to a specific area of concentration, and concludes with a comprehensive examination. The student awarded an interdisciplinary minor has achieved a level of academic excellence in the designated area of study.

Students must declare the minor prior to the pre-registration period for the fall of their senior year unless otherwise specified

A student with an interest in an interdisciplinary minor may experience irresolvable conflicts in scheduling, the cancellation of a course because of under enrollment, the absence of faculty in a program due to other teaching assignments or sabbaticals. The College does not guarantee a particular interdisciplinary minor nor a course in a particular program needed by a student to enter or complete an interdisciplinary minor. A student who does not complete an interdisciplinary minor in the course of his or her baccalaureate studies at the College may not initiate or complete an interdisciplinary minor after earning a baccalaureate degree from Saint Anselm College.

The faculty monitor the academic strength and appropriateness of the courses in a particular program, and also the rigor of the comprehensive examination required in every interdisciplinary minor.

### **Asian Studies**

The interdisciplinary minor Asian Studies builds on the grounding students have received in the cultures of the West and expands this formation by introducing students to forms of governance and commerce, genres of art, and ways of talking about human life and divine agency that are part of the cultures and the peoples of Asia.

#### **The requirements of the interdisciplinary minor are:**

1. Full-time degree-candidate status at Saint Anselm College.
2. Formal registration with the director of the interdisciplinary minor ordinarily no later than the first semester of the third year of studies.
3. A minimum cumulative grade point average of C+.
4. Successful completion of five courses with Asian studies content, with no more than two courses taken in the same department. Courses taken to fulfill interdisciplinary minor requirements must be approved by the director of the program. A minimum average grade of C+ must be maintained in the courses applied toward the interdisciplinary minor. No course grade below a C will be applied toward the interdisciplinary minor.
5. Successful completion of a comprehensive examination prepared and evaluated by faculty members who teach certificate-related courses.

### **Campaign Management**

In a state known for its retail politics, students often use their proximity to national candidates to learn about one of the most important means

of accountability in a democracy—campaigning for office. However, campaigns in today’s political world are increasingly professionalized and require specific skills and knowledge. This interdisciplinary minor is designed to give students both the theoretical and practical skills to participate in political management. This interdisciplinary minor allows students to blend knowledge of the psychology of voters, the structure and methods of campaigns, and an understanding of the media and candidate presentation, to prepare them for work in the campaigning field. The interdisciplinary minor includes both academic and experiential requirements. The goal of the interdisciplinary minor is to prepare students for a career in political campaigning or to be prepared academically for graduate programs in political management.

### **Requirements**

1. Students must complete five of the courses listed below, two of which must be PO255 (Campaigns and Elections), and the campaign internship course PO494. The director may approve an alternative to the internship course, but only in limited cases.
2. Students are eligible to select participation in the Certificate in Campaigning at any time before the fall of their senior year.
3. Courses must be completed with a minimum grade of 2.0 in each course. Students must also achieve at least a cumulative 2.33 grade point average in the interdisciplinary minor courses.
4. In the Spring of their senior year, students must hand in a portfolio of work including a reflection on the campaign internship and relevant accompanying materials to be decided by the director.

### **Courses**

#### **Students are required to take the two following courses:**

PO255 Campaigns and Elections OR PO446 ST: New Hampshire Primary  
PO494 Campaign Internship

#### **Students should choose three of the following courses:**

EC231 Principles of Marketing  
EN330 Political Communication  
EN325 Media Criticism  
FAS270 Visual Communication  
PO102 American Government  
PY209 Political Psychology  
SO344 Political Sociology  
CS205 Fundamentals and Issues of Using the Internet

### **Catholic Studies**

The interdisciplinary minor in Catholic Studies offers interested and qualified students the opportunity to study Catholic life and thought from an interdisciplinary perspective. The program invites students from all religious and cultural backgrounds to investigate the Catholic tradition as a dynamic, living reality imaginatively interacting with world cultures

throughout history. Administered by the Theology department, the program draws upon the resources of the departments of Fine Arts and Music, History, Liberal Studies, Philosophy, and Politics.

**The requirements for the interdisciplinary minor in Catholic Studies are:**

1. Full time, degree-candidate status at Saint Anselm College.
2. Formal registration in the interdisciplinary minor no later than the beginning of the junior year.
3. A minimum cumulative grade point average of C+ at the time of registration.
4. *Two courses in Theology beyond the requirements for the Bachelor of Arts degree:* The Catholic Vision and one of the following: Christology, The Church, Early Church, Sacraments, Eucharist, Liberation Theology, Christian Moral Life, Christian Social Ethics, Medieval Theology, Christian Spirituality, American Catholic Thought, Women in the Catholic Tradition.
5. *One course in Fine Arts and Music:* Art of the Middle Ages, Renaissance Art, Baroque Art, Twentieth Century Art, Latin American Art, Contemporary Art, The Cinematic Eye: A History of Film to 1945, Music from Gregorian Chant to Bach, Classical and Romantic Music, J.S. Bach, or another course chosen in consultation with the Director of the program.
6. *One course in Liberal Studies or Philosophy:* Great Books Seminar: Medieval, Great Books Seminar: Renaissance, Medieval Philosophy, Metaphysics, Philosophy of God, Aesthetics, Contemporary Images of Human Life, Modern Christian Philosophers, or another course chosen in consultation with the Director of the program.
7. *One course in History or Politics:* Medieval World, Renaissance, Reformation, Latin American History, Justice and War in International Relations, Political Catholicism or another course chosen in consultation with the Director of the program.
8. A minimum grade point average of C+ in the courses taken for the certificate.
9. Successful completion of a 10 – 12 page paper presented to the Catholic Studies committee.

**Computational Physical Science**

Students who complete this program will be prepared to use computer modeling and numerical methods to provide understanding of physical and chemical processes and to make predictions regarding the outcomes of such processes. Such capabilities have a broad range of applicability in areas that are as diverse as, for example, economics, criminal justice and sociology.

**Requirements of the interdisciplinary minor:**

A total of 5 computational physical science courses, no more than one of which fulfills a requirement of the student's major, must be completed to meet the requirements of this certificate program. A student must earn:

- a grade of C or better in each of the 5 courses
- earn an average grade of 2.33 (C+) or better in the aggregate of the 5 courses and
- pass the computational physical science certificate comprehensive examination.

**PH321 Formal Logic** as well as 4 courses from among the two categories below

- (A) computer science related
- (B) physical science

No more than 3 courses may be from any one category. Note that a student who is enrolled in an affiliated major:

- Computer Science (including CS with Business and CS with Mathematics)
- Chemistry
- Physics

may use only one course from the corresponding category for the Computational Physical Science interdisciplinary minor. Clarifying examples are listed below for a variety of majors including non-science majors.

Students that have not completed Classical Physics I-II, but are interested in this Certificate should get permission from the director.

**(A) Computer Science AND Related Courses**

- CS112 Computing II (*prerequisite: CS111 Computing I*)
- CS115 Discrete Math I
- CS213 Data Structures and Algorithms (*prerequisite: CS112 Computing II*)
- CS220 Computer Architecture (*prerequisite: CS112 Computing II*)
- CS223 Computer Logic Design (*prerequisite: CS220 Computer Architecture*)
- CS310 Advanced Algorithmic Analysis (*prerequisite: CS213 Data Structures & Algorithms*)
- CS311 Theory of Computation (*prerequisite: CS116 Discrete Math II*)
- CS343 Programming Paradigms (*prerequisite: CS112 Computing II*)
- CS355 Computer Graphics (*prerequisite: CS213 Data Structures & Algorithms*)
- CS360 Artificial Intelligence (*prerequisite: CS213 Data Structures & Algorithms*)
- MA370 Introduction to Numerical Methods (*prerequisite: MA220 Vector Anal. & Diff. Eq.*)
- MA480 Topics in Math: 3D computation and Visualization (*no prerequisite*)

**(B) Physical Science Courses**

- CH280 Physical Chemistry I (*prerequisite: MA180 Calc II, pre/corequisite PS131 Class. Physics I*)
- CH281 Physical Chemistry II (*prerequisite: CS280 Physical Chemistry I*)
- CH310 Analytical Chemistry II: Instrumental Analysis (*prerequisite: CS280 P. Chemistry I*)
- CH380 Physical Chemistry III (*prerequisite: CS281 Physical Chemistry II*)
- PS231 Modern Physics (*prerequisite: PS132 Classical Physics II*)
- PS241 Statics
- PS242 Dynamics (*prerequisite: PS132 Classical Physics II*)
- PS243 Strength of Materials
- PS245 Electrical Circuits (*prerequisite: PS132 Classical Physics II*)
- PS346 Thermodynamics (*prerequisite: PS132 Classical Physics II*)
- PS347 Fluid Dynamics (*prerequisite PS131 Classical Physics I and MA220 Vector Analysis and Differential Equations*)
- PS380 Electricity and Magnetism (*prerequisite PS133 Classical Physics II and MA 220 Vector Analysis and Differential Equations*)
- PS383 Quantum Mechanics (*prerequisites PS131-132 required, PS231 recommended or permission of instructor*)
- PS386 Mathematical Methods of Physics (*prerequisites MA310 Linear Analysis and PS242 Dynamics or permission of the instructor*)

**Environmental Studies**

The interdisciplinary Environmental Studies Minor integrates scientific, political, economic and social aspects of environmental issues. It examines the long-term effects of human action on ecological patterns and processes. The curriculum provides students with the theory necessary to approach and evaluate environmental problems and the tools needed to develop and implement solutions to the problems. Students are encouraged to become actively engaged in their local, regional and global communities.

**Registration and Requirements**

The student should discuss the program with the Environmental Studies interdisciplinary minor director and register by the end of the fifth semester at Saint Anselm College. To enroll, a student must have a grade point average of 2.33 or higher and be a full-time, degree candidate not majoring in environmental science.

**To be awarded this interdisciplinary minor, a student must:**

1. Achieve a grade no lower than a C in all certificate courses.
2. Earn an overall cumulative grade point average of 2.33 in all certificate courses.

3. Complete two core courses: BI205 Biosphere at Risk and PO215 Politics of the Environment.
4. Complete three elective courses, with at least one each from the sciences (BI319, BI320, BI328, BI329, BI340, CH260, PS102, PS103) and social sciences (EC141, EC250, GE216, PO270, SO206, SO334).
5. Pass a comprehensive exam based on material from core and elective courses completed in the Environmental Studies interdisciplinary minor.

### **French or German**

The Modern Languages and Literatures Department awards an interdisciplinary minor for advanced studies in French, German or Spanish to full-time, degree-candidate students not majoring in modern languages.

#### **The requirements of the interdisciplinary minor are:**

1. Four courses in the chosen language beyond the intermediate level, one course of the four being a literature or culture and civilization course.\*
2. One course in a related field outside the Modern Languages and Literatures Department to be determined in consultation with the director of the interdisciplinary minor and faculty of the Modern Languages and Literatures Department.
3. At least three of the five courses must be taken at Saint Anselm College.\*
4. A minimum average of "C+" must be earned in the five courses in order to earn the minor. No course will be accepted in which a grade below "C" is assigned.
5. A comprehensive examination administered by the department. Further information on the acceptance of advanced language courses taken in overseas programs may be obtained from the director of the interdisciplinary minor.

### **Gender Studies**

The minor in Gender Studies gives students the methodological and theoretical tools to analyze how social understandings of masculinity and femininity affect society, politics, economics, and the formation of the human person. Students will explore gender through various lenses, such as the arts, humanities and social and natural sciences. Gender Studies aims to provide its students with a critical framework in which the analysis of gender and all it entails can be imaginatively and empathetically applied to students' public and private lives.

#### **Requirements of the interdisciplinary minor in Gender Studies:**

1. Students must take five courses to fulfill the interdisciplinary minor in Gender Studies.
2. At least three of the five courses must be outside their major.
3. Courses must cover at least three different academic disciplines.
4. Students who wish can count an internship or service learning experience specifically focused on gender as one of their five courses. This requires advance planning and conversation with the coordinator of the interdisciplinary minor, and an academic paper.

5. Students who write a course paper or thesis that is specifically focused on gender may submit that paper for review by the Gender Studies Committee for acceptance toward one of their five courses even if that course that is not listed as a Gender Studies course.
6. Students are eligible to select participation in the Gender Studies interdisciplinary minor at any time. They must, however, register with the certificate coordinator by end of the drop add period in the fall of their senior year. Students must have a minimum GPA of 2.00 at the time they register.
7. Students need to complete all five courses by the end of their senior year and they must achieve at least a 2.33 grade point average for the courses presented for the interdisciplinary minor.
8. Students will be required in the second semester of their senior year to pass a comprehensive exam.

**Possible courses include those below and any additional courses specifically approved by the Director of the Minor:**

- CJ361 Women and Crime
- CJ367 Special Topics: Women in Prison
- CJ367 Special Topics: Unequal Justice: Race, Gender, and Prisons
- EC222 Women and Men in Business
- EN104 Various topics (The Warrior in Literature, 20<sup>th</sup>-century American Fiction by Women Writers, The Male Image in Literature, Reading and Writing About Family) (this course may not be repeated in order to fulfill the certificate requirements)
- EN325 Gender and Communication
- EN336 Jane Austen
- EN338 The Brontës
- EN370 Literature and Gender
- FAH270 Special Topics: Women Artists
- FAH264 Special Topics: The Family in Art and Film
- FR371 French Women Writers
- FR 348 ST: Masculinity in French Literature
- FR 348 ST: Joan of Arc Across the Ages
- HI359 American Women's History
- HI390 Comparative Women's History
- HI399 Special Topics: Men and Women in Africa
- PH 455 Integrated Studies Seminar: Global Women's Health and Human Rights
- PY207 Psychology of Gender
- PO250 Gender and Politics
- PO353 Politics of Diversity
- SO205 The Family
- SO309 Gender and Society
- SO342 Structures of Social Inequality
- SO 351 A: Socio-Legal Issues of the Family
- TH330: Women in the Catholic Tradition

Contact information for the Director and Gender Studies Committee Members is available on the college website.

### **Human Relations and Work**

This interdisciplinary minor augments studies in such major fields as economics and business, sociology, and psychology. It may be of particular interest to those interested in careers in fields related to human resource management.

#### **The requirements of the interdisciplinary minor in Human Relations and Work are:**

1. Full-time, degree-candidate status at Saint Anselm College.
2. A minimum of a 2.33 (C+) cumulative average in the major (based on a minimum of 3 courses) at the time of formal registration for the interdisciplinary minor.
3. Completion of the following courses with a minimum grade of "C" in each course: Statistics, Human Resource Management, Organizational Psychology, Economy and Society, and either Consumer Behavior or Introduction to Mediated Communication or Health Psychology. These courses must be taken at Saint Anselm College.
4. A minimum of a 2.33 (C+) cumulative average in the interdisciplinary minor requirements.
5. Successful completion of a comprehensive examination on material from the five interdisciplinary minor courses.

### **Latin American Studies**

The program attempts to develop a thorough and sympathetic understanding of the vast region south of our border. The Iberian culture and languages in Latin America were modified and changed dramatically by the impact of geography, the indigenous population and civilizations, and by the forced African migration. Thus was created a region of vast diversity whose varied population absorbed the religion, culture, and language of Iberia and gave it an American habitat. North Americans know little about this area. This interdisciplinary minor hopes to correct this deficiency by making knowledge of Latin America and its people available to interested students.

#### **The requirements of the program are:**

1. Full-time, degree-candidate student status at Saint Anselm College.
2. Formal registration with the program director, ordinarily no later than the first semester of the junior year of studies.
3. A minimum cumulative grade point average of "C+" at the time of registration and successful completion of a Spanish language course at the intermediate level or its equivalent.
4. Five courses in Latin American studies in no fewer than three disciplines. One course in Latin American History and one course in Latin American Literature are required. No more than two courses in any one discipline.

will be allowed with no grade under “C” acceptable. An average of “C+” must be maintained in these courses. At least three of the five courses must be taken at Saint Anselm College.

5. Courses which may be taken for the interdisciplinary minor in Latin American Studies include Colonial Latin American History, Modern Latin American History, Introduction to Spanish-American Literature, Introduction to Latin American Culture and Civilization, Colonial through 19<sup>th</sup> Century Spanish-American Literature, Modern Spanish-American Literature, Contemporary Spanish-American Literature, Hispanic Short Story, Problems in Spanish and Spanish-American Culture and Civilization, Advanced Spanish Conversation, Survey of Latin American Art, Reading Seminar in Latin American History, Latin American Politics, Comparative Democratization, Latin American Geography, Liberation Theology, and a study trip to Latin America which includes an independent study paper.
6. An oral comprehensive examination covering the contents of the five selected courses and the student’s understanding of Latin America and its civilizations.

### **Medieval Studies**

The historical period known as the Middle Ages has a rich and stimulating cultural and intellectual tradition that offers a unique insight not only into its own significant historical era but also into contemporary Western Civilization. Students may draw from a wide variety of disciplines to develop a portrait of this exciting and important time period: history, literature, philosophy, theology, art, and languages. A minor in Medieval Studies recognizes a student’s appreciation for and understanding of the thought and spirit of the Middle Ages. An interdisciplinary committee oversees this interdisciplinary minor.

#### **Requirements**

1. The student must be a degree candidate at Saint Anselm College.
2. The student must formally register for the interdisciplinary minor with the chair no later than the first semester of the junior year.
3. The student must complete five courses with a minimum grade of C (2.0) in each course. The student must earn a minimum C+ (2.33) cumulative grade point average in the courses of the interdisciplinary minor.
  - a. The student is required to take either Medieval Philosophy (PH212) or Great Books Seminar III-Medieval (PH263).
  - b. The student is required to take either The Early Middle Ages (HI313) or The High Middle Ages (HI314).
  - c. The student is required to take one course in medieval art or literature: for example, Post-Classical Latin (CL346), Studies in Medieval Literature (EN233), Special Topics in Medieval Literature (EN333), or Art of the Middle Ages (FAH212).

- d. The student is required to take Medieval Theology (TH321).
  - e. The student is to take one other course concerning the Middle Ages. This course can be from those listed in a-c above or from other related courses such as TH400 or PH467 when they focus on a medieval figure.
4. The student must successfully complete a comprehensive oral examination on material from the five courses of the interdisciplinary minor.

### **Neuroscience**

Neuroscience challenges us to understand the complex interaction between biology, behavior, and society. This interdisciplinary minor recognizes a student's appreciation and understanding of physiological and psychological concepts relative to understanding the human condition.

An interdisciplinary committee oversees this interdisciplinary minor.

The requirements for the interdisciplinary minor in Neuroscience are:

1. The student must be a degree candidate at Saint Anselm College.
2. The student must formally register for the interdisciplinary minor with the director of the minor no later than the first semester of the junior year.
3. A minimum of a C+ (2.33) cumulative grade point average in the major (based on a minimum of 3 courses) at the time of formal registration for the interdisciplinary minor.
4. The student must complete five courses with a minimum grade of C (2.00) in each individual course presented for the interdisciplinary minor. The student must have a mini-mum grade point average of C+ (2.33) in all courses presented for the interdisciplinary minor.
  - a. The student is required to take Behavioral Neuroscience (PY305).
  - b. The student is required to select from one of the following Psychology courses: Psychology of Addiction and Dependency (PY205), Health Psychology (PY206), Cognitive Psychology (PY304), Abnormal Psychology (PY307), Psychology of Learning and Motivation (PY313), or Sensation and Perception (PY316).
  - c. The student is required to take Pharmacology (BI346).
  - d. The student is required to select from one of the following Biology courses: Develop-mental Biology (BI324), Genetics (BI327), Cell Biology (BI333), Animal Physiology (BI334), Animal Behavior (BI335), or Invertebrate Zoology (BI338).
  - e. The student is required to take Modern Philosophy (PH231) or Philosophy of Mind (PH324) or Philosophy of Science (PH331).
5. The student must successfully complete a comprehensive written exam.

## Public Policy Studies

This program is designed to offer students a thorough introduction to the creation, implementation, and analysis of public policy. It is especially designed for use by students who are considering a career in the public sector, whether at the local, state, or national level; or are planning to enter a profession (e.g. law, business, public health, engineering) which has frequent interaction with government policy-makers. This program is also open to all students who desire a better understanding of how their government works, and how the policies which affect their lives are created and implemented. (*N.B. This program is designed to concentrate only on domestic public policy, not foreign policy or international affairs.*)

A proper grounding in the basics of public policy requires students to read broadly across the social sciences, and to acquire familiarity with several kinds of methodologies. Accordingly, this program is interdisciplinary, requiring students to take courses in several different fields of study.

### Required Courses

Students must take courses in the following five categories to complete the interdisciplinary minor:

**Public Policy Analysis:** Public Policy Process (PO248). This component will offer students an introduction to the theory and practice of public policy. Participants will consider subjects such as: defining public policy; the structure of policy-making; agenda setting and policy formulation; legitimating policy choices; implementation; cost-benefit analysis; and ethical analysis of public policy.

**Microeconomics:** Principles of Economics: Micro (EC141). A course in microeconomics—the study of individual units within a national economy, such as business firms—is indispensable for students of public policy.

**Statistical Analysis:** Students are required to take one course from the following: Social Statistics (SO212), Statistical Techniques for Criminal Justice (CJ203), Business Statistics (EC121), Biostatistics (BI345), Behavioral Statistics (PY301).

**Organizational Studies:** An introduction to public policy would not be complete without an introduction to the study of organizations. The study of the behavior of organizations—whether they be government agencies, interest groups, or business firms—provides a key to the understanding of policy formulation and implementation. Students are required to take one course from the following: Criminal Justice Organization and Administration (CJ326), Economics of Industrial Organization (EC244), Labor Economics (EC245), Public Finance (EC246), United States Labor History (HI357), Philosophy of Law (PH335), Public Administration and Bureaucracy (PO345), Organizational Psychology (PY201), Political Sociology (SO344), Social Welfare: Poverty and Public Policy (SO255).

**Capstone:** Selected yearly at the discretion of the committee. This course, a capstone for students seeking to acquire the interdisciplinary minor in Public Policy, will only be taken after all other requirements have been satisfied. (A student may take the capstone course simultaneously with another course or courses required to finish the interdisciplinary minor, if the student's course schedule necessitates this.) This will enable students from different majors to take a course together, as a culmination of their studies.

This course will be open to students not in the program, but students in the interdisciplinary minor will be given first priority in registration.

This course will be run as a seminar, with a focus on one particular issue-area in public policy (for example, health care, Social Security, education, taxation, transportation, technology, or business regulation).

**The requirements for the Public Policy Studies interdisciplinary minor are:**

1. Students from any major may register for the Public Policy Studies interdisciplinary minor. A student must register by the beginning of the junior year, and no later than the beginning of the senior year.
2. To enroll, a student must have a cumulative grade point average of 2.33 (C+) at the time of registration.
3. Students must achieve no grade lower than C in any Public Policy Studies interdisciplinary minor course.
4. Students must earn an overall grade point average of 2.33 (C+) in all courses in the Public Policy Studies interdisciplinary minor.
5. Students must take courses in all five categories in the Public Policy Studies interdisciplinary minor.
6. Students must take no more than two courses in his / her major for the purposes of the interdisciplinary minor.
7. Students must pass a comprehensive examination based on the materials from courses completed in the Public Policy Studies interdisciplinary minor.

### **Russian Area Studies**

The Russian Area Studies Program is an integrated course of study designed to provide full-time, degree-candidate students at Saint Anselm College with a comprehensive understanding of the life and culture of the Russian area. Interlocking relationships in Russian area political power, philosophical thought, social planning, and religious and cultural institutions form the basis for the Russian Area Studies Program. While not in itself a major program of studies, it will satisfy, in many cases, an interest in a single specialty begun in the student's major field.

The requirements of the interdisciplinary minor in Russian Area Studies program are:

1. A declaration of intent to participate in the program should be presented by the student no later than the beginning of the senior year.

2. At least five courses in the Russian field in three different disciplines including: Intermediate Russian I and II, Literature, History, Politics, and Economics.
3. A minimum grade point average of “C+” (2.33) in the courses taken for the certificate.
4. A comprehensive examination in which the student demonstrates knowledge of the content of courses selected. The student is also expected to demonstrate a knowledge of Marxist philosophy, Russian history, and government even though courses in these areas may not have been taken.

### **Sports Studies**

The Sports Studies interdisciplinary minor provides a course of study that recognizes sport as a fundamental component of the human experience. Sport has had a significant influence on humanity for thousands of years, and today permeates nearly every aspect of human society and culture. Throughout history, sport and athletic competition have helped to define who we are as human beings, and have contributed to our cultural development in a way that few other societal/cultural pursuits have. Students participating in this interdisciplinary minor will trace the history of sport from ancient to modern times, focusing in particular on the origins of human athletic competition, the social, historical, and cultural impacts of sport, and modern scientific approaches to the study of sport and human athletic performance. The minor is designed to be interdisciplinary in nature, grounded firmly in the liberal arts, and draws resources from the Classics, History, Psychology, and Biology Departments. Particular emphasis will be placed on recognition of sport as more than just a leisure activity that targets the physical body, but rather as a critical element of life that contributes to the betterment of the whole person.

#### **The requirements for the Sports Studies interdisciplinary minor are:**

1. The student must be a degree candidate at Saint Anselm College.
2. The student must formally register with the chair of the certificate committee no later than the first semester of the junior year.
3. The student must have a minimum grade point average of 2.33 (C+) at the time of registering for the interdisciplinary minor.
4. The student must meet any prerequisites required to take individual courses.
  - a. In order to take Exercise Physiology (BI201), the student must have completed one of the following prerequisites: General Biology (BI103-104), Human Anatomy & Physiology (BI331-332), or General Biology for Non-Majors (BI101-102) with an average grade of C (2.0) or better.
  - b. Remaining courses do not have prerequisites.
5. The student must complete five certificate courses with a minimum grade of C (2.0) in each course, and a minimum cumulative grade point average of C+ (2.33) across the five courses. Three of the five courses must be taken outside of the major.

**Possible courses include those listed below and any additional sports-focused course approved by the director of the minor. Sports-related internships are acceptable if taken for course credit.**

BI201 Exercise Physiology,  
BI344 Nutrition,  
PY210 Sports Psychology,  
CL261 Ancient Athletics,  
HI374 American Sports History,  
EC344 Sports Economics, or related courses approved by certificate director.

6. The student must successfully complete a comprehensive examination on material from the five interdisciplinary courses.

### **Web Design**

The interdisciplinary Web Design minor equips students with the knowledge and skills required to design and develop web sites. In the course of their studies students will learn how humans process information and how to graphically represent information in a useful and meaningful way. Upon completion of this interdisciplinary minor students will be prepared to design and develop web sites as communication tools for people to use and experience.

#### **Requirements of the interdisciplinary minor:**

1. Full-time degree candidates from any major.
2. Formal registration for the minor should be completed not later than the second semester of the junior year.
3. A minimum cumulative grade point average of "C+" is required at the time of registration.
4. Successful completion of five courses selected from the lists below, (2 computer science, 2 fine arts, and cognitive psychology). No course for which a grade of less than "C" is earned will be accepted toward the interdisciplinary minor.
5. A final project that demonstrates the student's competency in web design and development. The project could include the development and design of a new website or the evaluation and re-design of an existing site.
6. A comprehensive oral examination including presentation of the final project.

### **Computer Science Courses**

Students must pick 2 courses from the list below one of which must be CS130 or CS250 or CS338:

CS130 Fundamentals and Issues of Using the Internet  
CS250 Human Computer Interaction

CS338 Internet and Web-Based Systems  
CS270 Database Management  
CS101 Computer Applications  
CS450 Selected Topics as appropriate and approved by the director.

**Fine Arts Courses**

**Students must pick 2 courses from:**

FAS270 Visual Communication  
FAS272 Digital Art and Imaging I  
FAS372 Digital Art and Imaging II  
FAS376 Art and Design for the Web

Special Topics as appropriate and approved by the director.

**Psychology – Students must complete the course below:**

PY304 Cognitive Psychology

## **ENGINEERING, SCIENCE AND TECHNOLOGY ENTREPRENEURSHIP EXCELLENCE (ESTEEM) PROGRAM THE UNIVERSITY OF NOTRE DAME AND SAINT ANSELM COLLEGE**

The University of Notre Dame and Saint Anselm College agree to participate in a collaborative liberal arts and engineering, science and technology entrepreneurship program. Each student successfully completing the core program will receive the Bachelor of Arts degree (B.A.) in an approved curriculum from Saint Anselm, and the Master of Science in Engineering, Science and Technology Entrepreneurship degree (M.S.) from Notre Dame in a curriculum sponsored by the College of Engineering, College of Science and Mendoza College of Business (ESTEEM Program).

Each student in the program will attend Saint Anselm for the first four years and must complete a prescribed academic program defined by the two institutions. The student should apply for admission to Notre Dame by June 30 of the summer immediately following the junior year for admission to the ESTEEM Program. The application materials must include transcripts covering the first six semesters at Saint Anselm.

The student applying for admission to the ESTEEM Program must be making good progress in satisfying Saint Anselm's academic requirements for a B.A. in any major housed in the departments of biology, chemistry, physics, mathematics or computer science. For conditional acceptance into the program the student must meet the following criteria:

- 1) Cumulative grade-point average of at least 3.0 on a 4.0 scale through six semesters and at graduation from Saint Anselm;
- 2) A grade of at least C in all courses;
- 3) Recommendation for admission by the relevant department chair at Saint Anselm;
- 4) Completion of the online application for the ESTEEM program by June 30 of the summer immediately following the junior year.

The ESTEEM program director at Notre Dame will evaluate the student's application and make a conditional admission decision by August 31 following the student's junior year at Saint Anselm. The conditions to admission will be removed upon meeting the following criterion:

- 1) Cumulative grade-point average of at least 3.0 on a 4.0 scale at graduation from Saint Anselm
- 2) Completion of all requirements for the bachelor's degree at Saint Anselm;
- 3) Completion of the GRE exam with a score of at least 550 on the verbal and 600 on the quantitative;

Saint Anselm students also have the option to complete the current 3-2 Program between Notre Dame and Saint Anselm and then proceed to the

ESTEEM M.S. program (3-2-1 Program). Admission requirements for this option are the same as for the 3-2 program with the following additional requirements:

1. Cumulative grade point average (GPA) of 3.00 or better while in the 3-2 program at Notre Dame and upon graduation from Notre Dame;
2. Completion of all requirements for the bachelor's degree at Notre Dame;
3. Completion of the GRE exam with a score of at least 550 on the verbal and 600 on the quantitative;
4. Completion of the online application for the ESTEEM program by November 30 of the junior year of studies at Saint Anselm (the year preceding their first year at Notre Dame).

The 3-2 program director at Notre Dame and the ESTEEM program director will separately evaluate the student's application and make an admission decision (conditional or non-conditional depending on actual decision) by March 31 of the student's junior year at Saint Anselm. A student may be admitted to both the 3-2 and ESTEEM programs, or one or the other, and it will be the student's decision whether to accept admission to Notre Dame under those terms.

The student who has satisfied these criteria can normally expect to be admitted to full standing and complete Notre Dame's M.S. degree requirements in one calendar year (two semesters plus one summer) after receiving the bachelor's degree.

Upon admission to Notre Dame, students in the program receive the same consideration for scholarships and other types of financial aid as other applicants to the University. Students adhering to the financial aid application procedures will be considered for assistance within the policies consistently applied to all other Notre Dame students except as may be restricted by appropriate government regulations.

## **SUMMER SCHOOL**

Summer School is designed to serve a variety of needs and interests. Undergraduates, recent high school graduates, and other qualified persons are eligible for admission to the program for either audit or course credit. For further information contact The Office of the Registrar.

## **RESERVE OFFICER TRAINING CORPS PROGRAMS**

Students attending Saint Anselm College may enroll in either the Army Reserve Officer Training Program or the Air Force Reserve Officer Training Program, both located at the University of New Hampshire. No academic credit is given by Saint Anselm College for ROTC courses, but the courses may be included on the College transcript.

## GENERAL BILLING INFORMATION

Students are required to pay their bill in advance, and in full at the beginning of each semester. Thus, payment of tuition, residence fees, and other amounts must be satisfied in full by August 1, 2013, (before the beginning of the academic year), and by January 3, 2014, (before the beginning of the second semester). In keeping with this policy, assignment to classes and housing will only be made after prior approval from the Vice President for Finance. Any additional charges during the semester are billed and payable when incurred.

Secure access to a student's statement is provided through the Saint Anselm College Campus Portal (<https://myanselm.anselm.edu>). Students can access their bills from anywhere that has an internet connection twenty-four hours a day, seven days a week. Students can download, print and email their statements. Periodic notices will be emailed to students to remind them to check their statements and advise them of payment due dates. Prior to the beginning of the fall and spring semesters, paper bills will be generated in the student's name and mailed to the student's permanent address, as well as being available online. If the student wishes to receive a regular monthly paper bill, a written request from the student must be submitted to the Business Office.

The College anticipates that all financial obligations to the College will be paid in full. Failure to meet these obligations may result in an Administrative Dismissal from the College.

## STUDENT EXPENSES

Acceptance deposit	
On-campus resident .....	\$ 400.00
Off-campus commuter.....	\$ 200.00
<i>Payable when a student is accepted for matriculation at Saint Anselm College. This non-refundable deposit will be applied to the student's initial semester billing.</i>	
New Student Orientation Fee.....	\$ 210.00
<i>Payable on entrance by new students only.</i>	
Tuition, per semester.....	\$ 17,042.00
Residence Fee, per semester .....	\$ 6,345.00
Residence Fee, Single, per semester.....	\$ 6,720.00
Residence Fee, Large Single, per semester.....	\$ 7,206.00
Suite-style Residence Fees	
Single Room, per semester .....	\$ 7,622.00
Double Room, per semester .....	\$ 6,345.00
Apartment Housing Fee, per semester .....	\$ 5,653.00
Dormitory Damage Deposit .....	\$ 100.00

Dormitory Room Deposit .....	\$ 300.00
<i>Payable when a student signs the Room and Board Contract Card.</i>	
<i>This non-refundable deposit will be applied to the student's fall semester billing.</i>	
Activities Fee, per year .....	\$ 250.00
<i>Administered by the Student Senate</i>	
Technology Fee	
On-campus resident, per semester .....	\$ 330.00
Off-campus commuter, per semester .....	\$ 280.00
Laboratory and Other Fees (per course when applicable)	
Sciences .....	\$ 60.00
Native Speaker Fee .....	\$ 55.00
Psychology .....	\$ 60.00
Visual Communications .....	\$ 70.00
Humanities .....	\$ 50.00
Computer .....	\$ 60.00
Education .....	\$ 25.00
Studio Art Fees:	
Drawing courses:.....	\$ 50.00
Painting, Three-Dimensional, Digital Lab courses:.....	\$ 60.00
Photography, Printmaking, Ceramics courses .....	\$ 70.00
Late Registration, per course, per week .....	\$ 5.00
Late Degree Application .....	\$ 10.00
Early Termination of Housing Contract .....	\$ 50.00
Transcript Fee .....	\$ 6.00
Nursing Clinical Fee	
Sophomore, second semester only .....	\$ 440.00
Junior and senior, per semester .....	\$ 870.00
Nursing Student Liability Insurance, per year	
Sophomore, junior and senior (cost estimated).....	\$20.00 est.
Part-time matriculating students, per course .....	\$ 3,400.00
Study Abroad Fee .....	\$ 750.00
Part-time non-matriculating students, per course .....	\$ 1,230.00
Audit Fee .....	\$ 510.00

Fees are non-refundable and are subject to change at any time by the Board of Trustees. Bills for the fall semester are mailed in July and are due in full by August 1, 2013. Bills for the spring semester are mailed in December and are due in full by January 3, 2014. Any delinquent account will be subject to an interest charge on the unpaid balance.

A registration hold will be placed on any student who has an unpaid balance meaning that the student will not be allowed to complete the registration process for the next semester until the balance is paid in full. Accounts over 120 days past due may be referred to a collection agency. Overdue accounts

that are referred to a collection agency shall incur and be assessed the agency's fee. This fee will be added to the overdue balance at the time of assignment to the agency. Transcripts and diplomas will not be released for any student whose account is in arrears or for any student who is in default on a federal loan. Graduating seniors will not be permitted to participate in graduation ceremonies if all financial obligations have not been met. Should an individual begin as a non-matriculated student and change his/her status to matriculated, that student is then responsible for paying the difference between the cost of non-degree and matriculated course work for all non-matriculated courses taken. Please note that financial aid cannot be awarded retrospectively.

All students living in residence halls must pay the full residence fees, which include room and board. Any student receiving a monthly room rebate must be in residence in that room on the last day of the calendar month in order to receive the rebate. A student vacating the room earlier than the last day of the calendar month will not receive the rebate for that month. Students living in apartment housing may purchase a meal plan through the College's Dining Services. Students must furnish their own blankets, bed linen, and towels. Books and stationery supplies may be obtained at the College bookstore. The annual cost of books and supplies is approximately \$ 1,500.00. However, variations may occur, depending upon the student's course selection and major field of study.

All students are required to complete and sign a Payment and Initial Disclosure Notice confirming that they understand their legal and financial responsibility to Saint Anselm College. Thirty days after the beginning of the fall or spring semester, a registration hold will be placed on the account of any student who has not complied with this requirement.

All full-time students are required to carry accident and health/sickness insurance and will be billed for automatic enrollment in the school insurance plan . All students must access the insurance company's website ([www. CrossAgency.com/saintanselm](http://www.CrossAgency.com/saintanselm)) by September 2, 2013 to enroll or waive the insurance. After September 2, 2013, the student is not eligible to waive the insurance or have the charge removed from the bill.

## **REFUND POLICIES**

### **ACCOUNT REFUNDS**

Refunds are issued on credit balance statements only. A credit balance statement occurs when a student's account is credited with disbursed financial aid and/or payments that exceed the total charges for the semester. All requests for refunds must be submitted in writing to the Business Office. An account refund will be made payable to the student unless the College is instructed otherwise in writing except for when the credit balance results from the deposit of proceeds from a parent loan. In which case, the refund will be made payable to the parent and mailed to the parent's home address on file with the College, unless the parent requests otherwise in writing. A minimum of two weeks should be allowed for processing.

**FEDERAL FINANCIAL AID**

Saint Anselm College complies with the refund policies contained in the Higher Education Amendments of 1998 under which the College is required to return Title IV funds (Perkins Loans, Supplemental Educational Opportunity Grants, Pell Grants and Guaranteed Student Loans) on a per diem basis when the student withdraws before 60% of the payment period has been completed.

State aid and outside scholarships will be refunded to the appropriate agencies in accordance with their respective policies. Alternative education loans will be returned to the lender on the same percentage basis as Tuition and Institutional Aid. A student with an alternative loan who has an outstanding balance as a result of the refund calculation may be able to retain a greater percentage of the loan than that used in the refund calculation.

**WITHDRAWAL FROM THE COLLEGE**

A student who withdraws, or is requesting a leave of absence, from Saint Anselm College, must complete a form, which can be obtained from the Registrar, indicating the official date of withdrawal and the date of the last documented academically-related activity. Before beginning the withdrawal process, financial aid recipients are advised to consult with the Director of Financial Aid regarding refund eligibility and the effect the withdrawal may have on Satisfactory Academic Progress requirements.

Refunds for students who separate from the College, either through official withdrawal procedures or otherwise, will be determined as follows:

**Tuition and Institutional Aid**

Within the first two weeks of the semester	80%
Within the third week of the semester	60%
Within the fourth week of the semester	40%
Within the fifth week of the semester	20%
Beyond the fifth week	0%

**Housing**

Within the first four-week period of the semester	75%
Within the second four-week period of the semester	50%
Within the third four-week period of the semester	25%
Beyond the twelfth week of the semester	0%

**Resident Meal Plan**

Refunds are computed on a daily basis according to the amount remaining in the student's declining balance account.

**WITHDRAWAL FROM INDIVIDUAL CLASSES**

A student who drops a class during the first two weeks of the semester as a result of which there is a change in status, e.g. from full-time (4/5 classes)

to three-quarter-time (3 classes) or part-time (2 classes), will receive a tuition refund of 80% of the full-time tuition charge. The student will be charged 80% of the per class cost multiplied by the number of classes being taken. Financial aid recipients should be aware that this will have an effect on their financial aid award. When a student withdraws from a class after the initial two-week refund period, there will be no tuition adjustment and the student's enrollment status will not change.

### **EARLY TERMINATION OF HOUSING CONTRACT**

In order to contract for College housing, students must be classified as full-time students. A full-time student is a student taking four or more classes each semester. Students contract with the College for housing for a period of one academic year (both semesters). The contract remains in effect for the entire academic year unless one of the following occurs: graduation, official withdrawal from the College, academic suspension from the College, or mutual consent of the parties to the housing contract.

Mutual consent of the parties to the housing contract may occur when:

- A student changes his/her status from full-time to part-time (fewer than four classes).
  - The student desiring to remain in housing must request permission, in writing, from the Office of Residential Life and Education. This request may be denied.
  - The student desiring to vacate housing must also request permission, in writing, from the Office of Residential Life and Education before the second Friday of December. Failure to so notify the Office of Residential Life and Education may result in the student incurring a housing withdrawal fee.
- A student requests, for reasons other than above, an early termination of the housing contract at the end of the first semester. This request must be made, in writing, to the Office of Residential Life and Education before the second Friday of December. Failure to so notify the Office of Residential Life and Education may result in the student incurring a housing withdrawal fee.
- A student requests, for reasons other than above, an early termination of the housing contract during the course of the first or second semester. This request must be made, in writing, to the Office of Residential Life and Education.

In any eventuality, a student will not be released from the housing contract until the student has removed all personal possessions, left the premises clean, and a member of Residential Life and Education has completed and signed off on the Room Condition Form pertaining to the student's room or apartment. The effective date of release from the contract will be determined by the date of completion of the Room Condition Form. The student will be charged for the room or apartment from the beginning of the semester up to the effective date of release. Fees are computed on a pro-rated monthly basis.

## FINANCIAL AID

The primary responsibility for a student's education belongs to the individual and his or her parents. Saint Anselm College assumes that the family will make the maximum effort to provide for the expenses of a Saint Anselm education. However, we recognize that meeting the cost of a quality private college education is a challenge for many students and families. In order to help students afford their Saint Anselm College education, the Office of Financial Aid distributes financial assistance based on a number of factors including federal policy, institutionally determined financial need, academic qualifications, and the availability of resources.

The College will create a partnership with the student and family. We offer a combination of scholarships, grants, loans, and work opportunities to students who exhibit financial need as well as merit scholarships to students who demonstrate high academic achievement and leadership. For students studying abroad on semester-long programs, institutional aid may be available based on an off-campus budget. Refer to "Students Living/Studying Abroad." Students interested in learning more about our financial aid program should contact the Office of Financial Aid or the Office of Admission for our financing brochure or our consumer information brochure. These and other resources are available at [www.anselm.edu/award-information](http://www.anselm.edu/award-information).

### **Need-Based Financial Aid: Application Process and Information**

Applicants need to apply each year; applying early is important to the process.

The deadline for freshmen to complete the financial aid process is March 15. The priority deadline for transfer applicants to complete the process is April 15. All applicants for spring semester must complete the process by December 15. All returning students must complete the financial aid process by April 15. Late applicants will see a reduction in their Saint Anselm College gift aid according to the date they complete the application after the deadline (5% per 30 days late).

Saint Anselm College requires that all aid applicants who are United States citizens or resident aliens submit the Free Application for Federal Student Aid (FAFSA) and the CSS PROFILE form. Applicants should complete both forms on line at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) for the FAFSA and [www.collegeboard.com](http://www.collegeboard.com) for the PROFILE. In addition to the FAFSA and PROFILE, we require complete, federal tax returns with all pages, schedules and W2s from all aid applicants and their parents. We ask students to mail completed tax forms to the College Board IDOC program with their cover sheet (provided in an email with a link from the College Board).

The following codes are required for the application process:

- Saint Anselm College Code for FAFSA: 002587
- Saint Anselm College Code for PROFILE: 3748

We calculate an applicant's need-based financial aid eligibility by subtracting the Expected Family Contribution (EFC), as institutionally

determined on the PROFILE and federally determined on the applicant's Student Aid Report (SAR), from college costs. We use a methodology that estimates both the applicant's and parents' ability to contribute to educational expenses based on income, assets, family size, and number of children in college (if an applicant is a dependent student). If the applicant's parents are divorced or separated, we include the expected contribution of the custodial parent (and, if remarried, the step-parent) with whom you live. The non-custodial parent must complete a Non-Custodial Parent Form in the first year.

Citizens of countries other than the United States applying for admission and financial aid must complete both application processes by February 15. Incoming students must complete the College Scholarship Service (CSS) Profile and submit a Verification of income and assets translated into English which projects four years of support for the student. International citizens are awarded aid and issued an I-20 based on an assumption of continued four-year support. Unless a returning international student experiences a significant change in resources, the student and the family will not need to complete the CSS Profile again. If a student does experience a cataclysmic change, contact the Office of Financial Aid.

### **Satisfactory Academic Progress**

According to federal regulations and Saint Anselm College policy, students must make both qualitative and quantitative Satisfactory Academic Progress (SAP) to receive federal financial aid. The federal government requires that colleges monitor Satisfactory Academic Progress. For the purpose of determining financial aid eligibility, Saint Anselm College reviews SAP once a year after the spring term. Saint Anselm College will not replace lost federal or state funds with institutional aid for students who do not maintain SAP. Detailed information regarding SAP is provided on our web site and in our consumer information brochure ([www.anselm.edu/award-information](http://www.anselm.edu/award-information)).

### **Non-Need-Based Aid: Scholarships, Grants, and Awards**

Saint Anselm College offers many scholarships and awards that are based on a student's academic achievement, demonstrated leadership skills, and/or other criteria. Students are considered for these renewable scholarships based on their admission application and, in some cases, their financial aid application.

With the exception of an athletic scholarship, a student who accepts a merit scholarship or other non-need-based award is ineligible for all other non-need-based programs the College offers unless their demonstrated financial need exceeds the award. These awards are renewable annually provided the student maintains the Cumulative Grade Point Average (CGPA) and/or other criteria designated by each program. **All merit and non-need-based awards will be offered for a maximum of four years and will be incorporated into a financial aid package to help meet a family's demonstrated need.**

Merit Scholarships: Saint Anselm College offers merit-based scholarships to eligible prospective students in each freshman class. These awards are renewable for four years at the original amount offered on the admission decision letter and are subject to academic criteria for renewal. Some have tuition and room and board components. Details concerning the allocation will be found in your admission decision letter.

**2012-2013**

<b>Scholarship Programs</b>	<b>Scholarship Components</b>	<b>Amount</b>
Presidential Scholarship	Academic achievement in high school at the highest level; invitation to join the Honors Program; minimum 2.5 CGPA to maintain.	\$10,000 to \$19,000
New Hampshire Scholarship	Academic achievement in high school at the highest level; demonstrated financial need; minimum 2.5 CGPA to maintain.	\$5,000
Corporate Partners Scholarship	Academic achievement in high school at the highest level; demonstrated financial need; minimum 2.5 CGPA to maintain.	\$5,000
Talent Achievement Award	Academic and Co-curricular achievement in high school; CGPA designated on admission award letter.	\$3,000 to \$20,000
Abbot Bertrand Dolan, O.S.B.	Academic achievement in high school; minimum 2.2 CGPA to maintain.	\$10,000 to \$13,000
Father Dominic Scherer, O.S.B.	Academic achievement in high school; minimum 2.2 CGPA to maintain.	\$10,000 to \$11,000
Father Stephen Parent, O.S.B.	Academic achievement in high school; minimum 2.0 CGPA to maintain.	\$6,000 to \$9,000
Father Daniel Dempski, O.S.B.	Academic Achievement in High school; minimum 2.00 CGPA to maintain.	\$4,000-\$7,000
Abp. Rummel Transfer Scholarship	Academic Achievement in college; range of 2.2 to 2.5 CGPA depending on level of scholarship to maintain	\$5,000-\$11,000

**The Family Grant:**

A family with more than one child concurrently enrolled as matriculated full-time Saint Anselm students may be eligible for a Family Grant. Details regarding the grant and eligibility are found in the college's current financial aid brochure for prospective students.

**Athletic Scholarships:**

Ten full athletic scholarships are awarded to men and women basketball players only. The Director of Athletics will submit the names of possible recipients to the Office of Financial Aid, which will inform students of awards. Other designated recipients may receive partial scholarships depending on the sport and will be determined by the coach and the Athletic Scholarship Committee. All athletic scholarship recipients are subject to NCAA rules for renewal.

**Saint Anselm College Need-Based Scholarships and Grants:**

Saint Anselm College awards scholarships and grants to assist in meeting demonstrated need. In addition to Saint Anselm Scholarships and Saint Anselm Grants, the College awards endowed scholarships and the New Hampshire Scholars Program based on demonstrated need and merit.

**Capital Fund Scholarships:**

Saint Anselm College has received many gifts for scholarship assistance. Students receive these scholarships based on academic merit, demonstrated financial need, leadership, and other factors. There is no separate application for these scholarships. They will be awarded to students as part of their need-based financial aid package. Unless demonstrated need changes significantly, a recipient may see the same total grant/scholarship aid but a different configuration of named or unnamed grants/scholarships.

**Federal, State, and Local Scholarships and Grants**

Note: Given the fiscal challenges facing the nation, federal and state grants may be subject to a change in income guidelines. Assuming that the student has completed all applications in a timely fashion, the Office of Financial Aid will assist students to cover changes imposed by the governmental bodies.

**The Federal Pell Grant:**

Students apply for this grant by completing the FAFSA. This grant is based on the EFC. It is subject to Congressional Funding approval. In 2013-2014 awards ranged from \$605 to \$5,645.

**Federal Supplemental Educational Opportunity Grant:**

This grant is funded by the federal government and subject to Congressional Budget Approval. It is awarded by the College to students with exceptional financial need. Most often this grant accompanies the Pell Grant. Awards range from \$200 to \$4,000.

**The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program**

This federal program provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. TEACH Grant recipients must agree to serve as a full-time teacher in a high-need field serving low-income students. Failure to complete the service requirement will result in the TEACH Grant converting to an Unsubsidized Stafford Loan with interest accruing from the date the grant(s) was disbursed. If you are interested in further information, please contact the Office of Financial Aid.

**State Scholarships and Grants:**

Grants are available to students with need and may be portable from all New England states. We require students to apply for state funds, when available by the required state deadlines. We estimate state grant aid and calculate eligibility accordingly. Assuming that the aid applicant has completed all of the required documents of the state in a timely fashion, receipt of a scholarship in excess of our estimate will be offset by a reduction in Saint Anselm College gift aid. A lower scholarship will result in an increase to institutional grant.

**Local Scholarships and Grant Awards:**

We strongly urge students to apply for outside scholarships available through guidance counselors, the web, and local civic and business organizations. We support these efforts by allowing private scholarships to replace unmet need, then need-based self help (loans and Federal Work Study). If the outside grant aid is in excess of these resources, we will then reduce need-based Saint Anselm College gift aid. Saint Anselm is a matching partner in the Scholarship America (A.K.A Dollars for Scholars) Program. In order to receive the matching grant, recipients must submit the completed Dollars for Scholars Matching Grant Request Form. We will not match outside loans, even if it comes through a Dollars for Scholars affiliate.

**Loans****Federal Direct Stafford Loan:**

Both subsidized and unsubsidized, these low-interest educational loans are awarded to all domestic aid applicants in amounts according to year in college: \$3,500 for freshmen, \$4,500 for sophomores, \$5,500 for juniors, and \$5,500 for seniors. All students may receive an additional \$2,000 of Unsubsidized Stafford per award year.

**Perkins Loan:**

Saint Anselm administers a limited number of loans to students with exceptional need. Students may receive up to \$5,500 of Perkins Loan per year. The interest rate on this loan is 5%.

**Federal Direct PLUS Loan (Parent Loan for Undergraduate Students):**

This is a federally backed low-interest, fixed-rate loan to parents for up to the cost of a student's attendance minus any other financial aid for which the student is eligible.

## **Student Employment**

### **Federal Work Study (FWS):**

This is a federally-funded program that offers students with demonstrated need, part-time employment to help meet the students' incidental costs. Eligible students may work either on campus or at a FWS Community Service job off campus and are authorized to earn up to a specified amount; however, they are not guaranteed employment to that level.

### **Saint Anselm College Employment:**

This program is funded by the College and is limited in scope. Employment is available in various departments.

### **Students Living / Studying Abroad**

Students wishing to study abroad in a college-approved program will be charged Saint Anselm tuition and a study abroad fee. Their financial aid (with the exception of tuition remission; international aid; athletic scholarship; debate scholarship and resident assistant grants) will travel with the student at the Off-Campus Award. Students must complete all aspects of the study abroad and financial aid applications according to specifications listed on the website.

### **Students Living Off Campus**

An off-campus student is defined as one who lives off-campus (separate from family) in off-campus housing. The College will create a budget for a student who chooses to live off campus. The College aids off-campus students in two ways:

- The Off-Campus budget – The College will create a budget for a student who chooses to live off campus which includes 50% of the indirect cost associated with on-campus living, (Room and Board for a traditional residence hall and a standard meal plan). Students receiving awards with both tuition and a room and board component (Presidential, Talent Achievement, etc.) will lose the part of the scholarship designed to cover room and board costs.
- Dismissal from Residence Life – A student dismissed from any Saint Anselm College residential facility by the Dean of Students Office will be ineligible for financial aid based on residential costs.

We recommend that any student wishing to move off campus meet with a financial aid administrator to discuss their situation. If a student can document costs above our cost of attendance, we will discuss financing options.

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B.A., Thomas Aquinas College  
M.M.S., University of Notre Dame  
Ph.D., University of Notre Dame  
*Professor, Philosophy*

Kimberly Kersey-Asbury  
B.A., Kansas City Art Institute  
M.F.A., Boston University  
*Assistant Professor, Fine Arts*

Robert M. Augros  
B.A., Saint Mary's College, California  
Ph.L., Laval University, Canada  
Ph.D., Laval University, Canada  
*Professor, Philosophy*

David M. Banach  
B.S., Baldwin Wallace College  
B.A., Bowling Green State University  
M.A., Southern Illinois University  
Ph.D., Southern Illinois University  
*Associate Professor, Philosophy*

Barbara S. Baudot  
B.A., Goucher College  
M.A., Fletcher School of Law and  
Diplomacy, Tufts University  
M.A.L.D., Fletcher School of Law  
and Diplomacy, Tufts University  
Ph.D., Fletcher School of Law &  
Diplomacy, Tufts University  
*Professor, Politics*

Gilbert B. Becker  
B.A., Colby College  
Ph.D., Boston College  
*Associate Professor, Economics &  
Business*

Laurie Bennett  
B.S., University of New Hampshire  
M.S., Rivier College  
*Clinical Faculty, Nursing*

Katherine M. Bentz  
B.A., Gustavus Adolphus College  
M.A., George Washington University  
Ph.D., Pennsylvania State University  
*Associate Professor, Fine Arts*

Eric J. Berry  
B.S., Ashland University  
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