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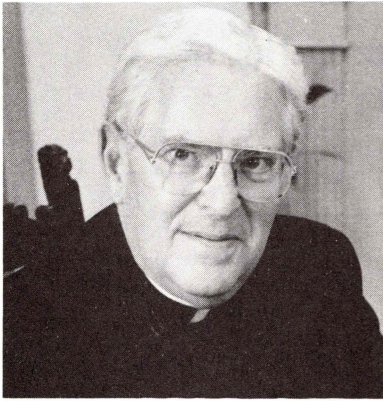
# SETON HALL

U N I V E R S I T Y



1991-1992  
UNDERGRADUATE  
BULLETIN

## A Letter from the Chancellor



Success at Seton Hall University requires that those who enroll here possess three characteristics. They must be students, they must be stargazers and they must cast a strong shadow wherever they walk.

True University life is meant to be an intellectual adventure in which those who participate are constantly challenged to ask "why" or "why not." Why am I of unique importance to my world? Is it correct that our present society can never be as great as the past? Why not? A good student is a person who searches for the fundamental reasons for the realities which surround us all. At Seton Hall you will be challenged to search out these truths. To put it more concisely, you will be encouraged to become a real student.

Stargazers stand on earth, look to the wonders of the heavens and try to discern the future. You too must walk daily upon a planet that continues to be perplexed by many problems, particularly the problem of good and evil. Even a bad situation can be made better by a good person. All of us need to learn that whatever path we choose to our potentially bright future should be illuminated by a divine destiny, by a true set of values and by a genuine belief in our own self-worth. Stargazers keep their heads in the clouds for it is there that they find ultimate answers. The concerns of heaven and earth coalesce in

the curriculum and the community that you will find at Seton Hall.

And lastly, how big is your shadow? Perhaps bigger than you think. As you travel along life's broad highways and back alleys, whom will your shadow touch? That's up to you to determine during your years here. If you continue to grow and to mature into a gracious and genuinely caring man or woman, if you share your love and laughter with those who are to be your new and lifelong friends, if you become qualified professionally in the charted courses of your choosing, your shadow will touch many people. Because of this encounter, your lives and theirs will never again be the same and both of you will benefit.

Welcome to Seton Hall. We are delighted you are here. Work to be students. Strive to be stargazers. Cast a shining shadow as you pass by. With God's help, both of us can accomplish these goals together and even find enjoyment and fulfillment in the process.

Sincerely,

A handwritten signature in cursive script that reads "Thomas R. Peterson, D". The signature is written in dark ink on a light background.

Very Reverend Thomas R. Peterson O. P.  
Chancellor

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# Seton Hall University

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## Undergraduate Bulletin 1991-1992

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The information presented in this Bulletin was current as of May 15, 1991. The University reserves the right to make changes as circumstances require.

The University actively seeks qualified persons of varied races, cultures, experiences and national backgrounds. Qualified students are admitted without regard to race, color, religion, age, handicap, national origin, ancestry or sex. Seton Hall University is an equal opportunity/affirmative action institution.

Produced by the University Office of Publications.

# 1991-1992 Academic Calendar

## Fall 1991

August 28, 29 (Wednesday, Thursday)

### Registration

September 2 (Monday)

### Labor Day

*Legal Holiday*

September 3 (Tuesday)

### Classes Begin

October 14 (Monday)

### No Classes

October 15 (Tuesday)

### Monday Schedule—No Tuesday classes

November 27, 28, 29, 30

(Wednesday, Thursday, Friday, Saturday)

### Thanksgiving Recess

*No classes Wednesday through*

*Saturday. University closed*

*Thursday, Friday and Saturday*

December 16, 17, 18, 19, 20, 21

(Monday, Tuesday, Wednesday, Thursday, Friday, Saturday)

### Final Examinations

## Spring 1992

January 1 (Wednesday)

### New Year's Day

*Legal Holiday*

January 2-17

### Wintersession

January 15, 16 (Wednesday, Thursday)

*Registration*

January 20 (Monday)

### Martin Luther King Jr. Day

*Legal Holiday*

January 22 (Wednesday)

### Classes Begin

February 17 (Monday)

### President's Day

*Legal Holiday*

February 18 (Tuesday)

*Monday Schedule—No Tuesday classes*

March 16-21

(Monday, Tuesday, Wednesday, Thursday, Friday, Saturday)

*Spring Recess*

April 1 (Wednesday)

*Monday Schedule—No Wednesday classes*

April 16-20

(Thursday, Friday, Saturday, Monday)

*Easter Break*

April 16, 17, 18 (Thursday, Friday, Saturday)

### Holy Thursday, Good Friday, Holy Saturday

*University Closed*

April 21 (Tuesday)

### Classes Resume

May 11, 12, 13, 14, 15, 16

(Monday, Tuesday, Wednesday, Thursday, Friday, Saturday)

### Final Examinations

May 18 (Monday)

### Commencement (Tentative)

May 25 (Monday)

### Memorial Day Observance

*Legal Holiday*

## Summer Session 1992

May 26 (Tuesday)

### Summer Session Begins

August 7 (Friday)

### Summer Session Ends



## THE UNIVERSITY

The first bishop of Newark, James Roosevelt Bayley, founded Seton Hall in 1856, naming it after his aunt, Mother Elizabeth Ann Seton, a pioneer in the work of Catholic education and the first American-born saint.

Today, Bishop Bayley's small college, which opened with five students, has grown into one of the large American Catholic centers of higher learning. Among the 212 Catholic colleges and universities in the United States, Seton Hall is the largest of the 15 diocesan-affiliated institutions, operating under the auspices of the Archdiocese of Newark.

Seton Hall now enrolls more than 8500 students on the graduate and undergraduate levels, and comprises eight schools: The College of Arts and Sciences, the W. Paul Stillman School of

Business, the College of Education and Human Services, the College of Nursing, University College, Immaculate Conception Seminary and School of Theology, the School of Graduate Medical Education—all on the South Orange campus—and the School of Law in Newark. Over 325 faculty teach in more than 40 undergraduate majors and programs and 43 graduate programs.

The institution Bishop Bayley inaugurated is now a university far larger and more expansive than he ever envisioned. Yet, Seton Hall's mission would still be eminently recognizable to him. It is the vision he described enthusiastically in a letter of 1860: "One reason why we are so proud of our diocesan college is because it is truly a Catholic institution, where the whole being, intellectual and moral, is directed by Catholic prin-

ciples." Today, Seton Hall continues to fulfill Bishop Bayley's dreams. Over the course of time, his small college has had an immense impact on young men and women in New Jersey and beyond.

## **The Mission of Seton Hall**

Seton Hall is part of a modern world markedly different in character, needs and opportunities from the world of its beginnings in the last century. Now, it moves ahead toward the 21st century with its original confidence and same sense of purpose and direction.

The reason is quite simple: Seton Hall University is founded on and defines itself and all its programs on a Christian understanding of the nature of the world and the human person. From its beginning, Seton Hall has had a clear sense of its own educational mission, of what its graduates should know and what they should be.

First of all, Seton Hall is a University and Catholic. Each aspect complements the other. Religious beliefs and values are taken seriously. Besides being open to religious questions and to their bearing on all areas of the human quest, the University is deeply concerned about bringing ethics to bear on all aspects of human inquiry. Indeed, no subject is truly value free. Our intellectual understanding is inextricably bound to our fundamental commitments. We see contact with our Roman Catholic teaching and tradition as a life-enhancing and enabling vision. It calls us to explore and appreciate all that is the best and most human in our world.

Seton Hall is Catholic not only by its charter and mission but also by its ongoing spirit and activity. There exists a basic tenet at the University that religious faith is vital to our lives and our mission. Our heritage provides us with a context in which the University has and will continue to define and develop its own identity.

As a Catholic university, we welcome other Christians, those of other religious traditions and all people of good will. We are committed to bringing together many people of different races, cultures and ethnic backgrounds into a community which is tolerant, respectful and supportive.

In a complex world, Seton Hall exists so that its students acquire knowledge and new skills, achieve wisdom and insight, and make religious values their own. The University strives to develop the intellectual, social and religious talents of its students toward the goal of their living life responsibly, generously and successfully.

## **The History of Seton Hall**

From its original enrollment of a handful of students, Seton Hall grew rapidly. During its first 12 years, the College had enrolled over 500 freshmen from 17 states and six foreign countries. The seeds of diversity at Seton Hall were planted almost from its birth.

Seton Hall has always reflected the growing ethnic scope of its students and the increasing diversity of the Church and society it has served. In the 19th century, in spite of setbacks, major fires, lean times and the Civil War years, the College continued to expand. By 1937, Seton Hall established a University College. This marked the first matriculation of women at Seton Hall. The University became fully coed in 1968.

The years after the Second World War witnessed unprecedented growth for Seton Hall as it responded to the needs of thousands of veterans seeking higher education. The College was organized into a university in 1950, comprising the College of Arts and Sciences and the Schools of Business, Nursing and Education. The School of Law opened its doors in 1951.

The next two decades saw the construction and modernization of a large number of facilities and the construction of the library, science building, dormitories and the student center. Many new programs and majors were inaugurated, as were important social outreach efforts. New ties were established with the private and industrial sectors, and a growing partnership developed with federal and state governments in creating programs for the economically and educationally disadvantaged.

The '70s and '80s continued to be a time of growth and renewal. New business and nursing classroom buildings and an art center were opened. In 1984 the Immaculate Conception Seminary

returned to Seton Hall, its original home until 1927, when it moved to Darlington. The recreation center was dedicated in 1987. With four new residence halls constructed between 1984-1988, Seton Hall now provides living space for approximately 2000 students. Recently established new programs in business, nursing, public service, medicine, pastoral theology, corporate and public communication, and other areas have kept our curriculum abreast of the needs of students into the 1990s and beyond.

The 1956 centenary history of Seton Hall concludes with these words: "Seton Hall University's great boast and claim to fame is not predicated on expansion, buildings or even curriculum. It lies rather in the hearts and minds of a dedicated and devoted faculty."

Seton Hall's history has been one primarily of people, students and faculty, living and working together in a community of learning, a community rooted in a Catholic tradition, which is a home for the mind, the heart and the spirit.

## **Priest Community at Seton Hall**

From the beginnings of its existence as a diocesan college, Seton Hall has always had a close relationship with the priests of the Archdiocese of Newark. At present, more than 50 priests of the Archdiocese serve the University community in a variety of ways. Some are in administration or on the staff, others teach on the University or Seminary faculties.

The presence of the priests from the Archdiocese of Newark, and those from other dioceses or religious orders who also work on campus, represents the Catholic orientation and commitment of the University. In addition to their academic duties, these priests minister to all members of the University Community, not only by the scheduled liturgical services in the University Chapel but also by their availability, personal concern and response to need.

## **Location**

With its main campus on 58 acres in the village of South Orange, 14 miles from New York City, Seton Hall is in the midst of one of the world's most cosmopolitan centers of education, business, publishing, art and entertainment. Seton Hall offers students access to many cultural, entertainment and athletic events in New York City. An excellent system of highways in New Jersey puts Seton Hall University students only an hour away from the resort areas of the New Jersey shore and the recreational areas of the Appalachian trail, the Delaware Water Gap and the Poconos.

## **Directions to the University**

### **From the Garden State Parkway:**

Take the parkway to exit 145. Take 280 West to exit 11-B, Day Street/Essex Avenue, Orange. Follow the signs to Center Street — make a left at the second light onto Freeway Drive West, a left onto Capuchin Way and a right onto Center Street. Once on Center Street, follow the same directions as from Interstate 280.

### **From Interstate 280 East:**

Take the Center Street, Orange Exit. Follow the Seton Hall signs to Center Street and turn right. The name of this street changes to South Center and to Centre. Follow this street for approximately two miles to the intersection of South Orange Avenue, Centre Street and Turrell Avenue. Enter the University through the Farinella Gate on South Orange Avenue.

**From Interstate 280 West:** Take the 11-B Exit and proceed as per the directions from the Garden State Parkway.

**From Connecticut:** Take Route 84 West into New York State until Route 84 ends. Take 684 South towards White Plains/Tappan Zee Bridge. Take 287 West over Tappan Zee Bridge. Take Exit 14A, Garden State Parkway South, to Exit 145 and follow directions (above) to Seton Hall.

**From New York City:** Go through either the Lincoln or Holland Tunnel. Take the New Jersey Turnpike South to



Exit 15W. Take 280 West and follow the signs to Seton Hall.

**From Pennsylvania:** Take the Pennsylvania Turnpike East to the New Jersey Turnpike North. Get off the Turnpike at Exit 11 (Garden State Parkway North). Take the Parkway to Exit 145 and follow the directions (above) to Seton Hall.

## **SCHOOLS AND DIVISIONS**

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

The College of Arts and Sciences is the oldest school of the University, established as Seton Hall College in 1856. It comprises the Departments of African-American Studies, Art and Music, Asian Studies, Biology, Chemistry, Classical Studies, Communication, English, History, Jewish-Christian Studies, Mathematics/Computer Science, Modern Languages, Philosophy, Physics, Political Science, Psychology, Religious Studies, Social Work and Sociology and Anthropology, as well as Special Programs. It offers undergraduate major programs in all departments, degree programs in economics, criminal justice, liberal studies and social and behavioral studies, and certification programs in Soviet and East European studies, archaeology and gerontology. The College also offers a Cooperative Education Program to interested students. There is a four-year Honors Program for outstanding students. Several departments also offer graduate programs, including a doctoral program in chemistry. The College also provides the core of the non-professional education of the undergraduates and, to some extent, the graduate students of the other schools and colleges of the University.

The College, as the heir to the long and honorable Jewish-Christian intellectual tradition, defines its mission as the enrichment of that tradition. It is a

place of retreat and study and a place of preparation for a lifetime of work for the well-being of society. Liberal education, therefore, must strike a balance between intensive preparation in a field of academic study and extensive understanding of the breadth of human experience and knowledge. The College's curriculum, allowing as it does for concentration in a major program and for study in a wide range of other areas, encourages individuals to integrate both aspects of the educational experience into their own lives.

### **W. Paul Stillman School of Business**

The W. Paul Stillman School of Business, established in 1951, is a professional school which seeks to educate students for responsible roles in the business community. The program requirements include core courses designed to embody the common knowledge considered central to career preparation, advanced courses in the field of concentration and liberal arts courses which provide the ethical and conceptual foundations for corporate and societal citizenship.

Students may major in the areas of accounting, computer and information sciences, economics, finance, management or marketing. In addition to the Bachelor of Science degree program, the School offers the degree of Master of Business Administration, the degree Master of Science in taxation, a joint M.B.A./J.D. program with the School of Law and a joint B.A./M.B.A. program with the College of Arts and Sciences. A Cooperative Education Program is also available to interested students.

The W. Paul Stillman School of Business also offers a minor in business administration, a certificate in business to non-business undergraduates and a certificate in pre-business law to both business and non-business undergraduates. The graduate program offers a certificate in international business.

The School includes a Division of Research, which, in addition to sponsoring research projects, publishes the *Mid-Atlantic Journal of Business*. Also an

integral part of the School is the Institute of International Business, which offers a certificate program at the graduate level, and the Labor Relations Institute, which presents seminars for labor and industry.

## **College of Education and Human Services**

The College of Education and Human Services, founded in 1950, comprises the Departments of Counseling Psychology, Educational Administration and Supervision, and Educational Studies.

On the undergraduate level, the College of Education and Human Services offers professional courses necessary to prepare students for careers as teachers for elementary and secondary school levels, health and physical education, school and community health education, and children with handicaps/developmental disorders. Liberal arts courses are given in the College of Arts and Sciences. Emphasis is on integration of the study of education with other academic disciplines and active participation in the school situation to stimulate the intellectual, humanistic and creative potential of the future teacher.

The College of Education and Human Services offers three programs leading to the degree Bachelor of Science, 14 programs leading to the degree Master of Arts in Education, 10 programs leading to the degree Educational Specialist and six programs leading to the degree Doctor of Education and Doctor of Philosophy.

## **School of Graduate Medical Education**

The School of Graduate Medical Education offers a variety of programs for graduates of medical and dental schools. The primary programs involve residency training for physicians and dentists in such specialty areas as anesthesia, family practice, internal medicine, obstetrics/gynecology, orthopaedics, pediatrics, and dentistry and oral maxillary surgery. The training occurs at four participating institutions: St. Michael's Medical Center in

Newark, St. Joseph's Hospital and Medical Center in Paterson, St. Elizabeth Hospital in Elizabeth and Jersey City Medical Center in Jersey City. The hospitals and the University jointly attest to the successful completion of the residency training through the issuance of a certificate.

Research-oriented physicians who have completed at least two years of post-graduate residency training may pursue a Ph.D. degree in Molecular Biology. This three- to four-year program is offered jointly by Seton Hall University and the Roche Institute of Molecular Biology, the only basic research institute connected to a United States pharmaceutical company.

The University and the participating hospitals also offer a Continuing Medical Education Program in the form of conferences, courses and mini-residencies designed to provide updating of the most useful recent advances in the diagnosis and management of medical disorders as they are encountered by primary care physicians and practicing specialists. For more information, contact the School of Graduate Medical Education.

## **School of Law**

The School of Law opened as a unit of Seton Hall University in 1951. It is the only law school in the state operated by a private university and, in addition to its three-year program, also has an evening division for those who, because of employment or other considerations, cannot matriculate during the day. It also offers a law school Summer Session. Total enrollment is over 1200, making it the largest law school in New Jersey and one of the largest in the nation.

In addition to basic courses required in preparation for admission to the bar and professional practice in various states, the School offers advanced courses in contemporary legal trends of particular value to legislators, administrators, government officials and those engaged in private legal practice. Active participation in appellate and trial moot court provides training in the effective presentation of legal ideas. In the area of clinical legal education, the School has

developed several full-service clinics plus other courses and programs that offer practical skill training. For more information, contact the School of Law.

## **College of Nursing**

The American Nurses' Association recommends a four-year program leading to the degree Bachelor of Science as the minimum preparation for beginning professional nursing practice.

The College of Nursing, established in 1937, provides its students—high school graduates, junior college graduates, transfer students and graduates of diploma and associate degree programs in nursing—with a curriculum composed of science and liberal arts courses, professional nursing courses and clinical practice. Its graduates are prepared to practice nursing in various settings and to continue study on the graduate level. In 1976, the College inaugurated a program leading to a Master of Science degree in nursing.

The professional component of the undergraduate curriculum provides students with the knowledge and skill needed for the practice of medical, surgical, psychiatric, pediatric, maternity and community nursing. Instruction in nursing is given on the University campus and within many cooperating hospitals, public health and other community agencies. The College of Nursing draws on the College of Arts and Sciences for required and elective courses in the humanities and in the natural and social sciences.

## **University College**

University College provides an umbrella service for adult students through credit courses in cooperation with the schools and colleges and non-credit programs. University College opened in Newark in 1937 and moved to the South Orange campus in 1968. Diverse activities include programs with the New Jersey State Police Training Academy, Project Acceleration, Wintersession, Summer Session, Seton Saturdays and the Institute for Criminal Justice.

University College coordinates non-credit programs for people seeking spe-

cial training and professional development. Many programs award Continuing Education Units (CEU's). Among the professional programs offered are courses for insurance personnel, certified public accountants and writers.

University College develops and directs special conferences, workshops, seminars and in-service training programs in a broad variety of areas both on and off campus throughout the year for business, government and the community. Contact University College for its current brochures.

## **Immaculate Conception Seminary School of Theology**

Immaculate Conception Seminary was founded in 1861 in South Orange, New Jersey, by James Roosevelt Bayley, the first bishop of Newark. Located on the campus of Seton Hall College, the Seminary expanded rapidly. In 1926, in order to meet the growing needs of the seminary and the college, the seminary was relocated to Darlington, in Mahwah, New Jersey. The affiliation with Seton Hall University was retained until 1972, when the seminary was incorporated by the State of New Jersey as an educational institution with the purpose of "educating persons to serve in the ministry of the Roman Catholic Church, and to do all things deemed advisable to advance the cause of education generally."

In 1984, the seminary re-affiliated with Seton Hall University and moved to a new residence and classroom facility on the South Orange campus. Through its academic faculty, which constitutes the School of Theology, it offers graduate programs leading to the degrees Master of Divinity in Pastoral Ministry, Master of Arts in Theology, Master of Arts in Pastoral Ministry and Master of Public Administration in Church Administration in conjunction with The Center for Public Service of Seton Hall University. All of the above degrees are open to interested students. For more information, see the School of Theology Bulletin.

## Graduate Schools

Seton Hall University offers graduate programs leading to advanced degrees in several departments of the College of Arts and Sciences, the College of Education and Human Services, the W. Paul Stillman School of Business and the College of Nursing. Application for admission to any of these programs may be made to the Office of Graduate Admissions. See the Graduate Bulletin, available in the Admissions Office, for detailed information.

Information regarding the program leading to the degree Juris Doctor may be obtained by contacting the School of Law in Newark. Information about programs offered in graduate medical education is available through the School of Graduate Medical Education. Information about graduate programs in theology may be obtained through the Immaculate Conception Seminary School of Theology.

## ADMISSIONS

### Student Classification

Seton Hall University classifies undergraduate students as listed below:

**Matriculated students**—those who have applied for admission to a degree program and have been accepted by the Committee on Admissions for a prescribed course of study leading to the degrees of Bachelor of Arts or Bachelor of Science.

**Non-matriculated students**—those who have not made formal application to a degree program but have been approved by the Committee on Admissions to enroll in courses.

Non-matriculated students may enroll for a maximum of nine credits per semester and may obtain no more than 18 credits total. If a non-matriculated student wishes to apply for matriculation, that student must apply with the Office of Admissions no later than the term in which the 18-credit maximum will be obtained. Students

reaching the 18-credit maximum who do not wish to matriculate must sign a statement indicating non-intent to matriculate.

A student currently enrolled in another institution who wishes to take courses at Seton Hall as a non-matriculated student must present a copy of their college transcript or a letter from their institution giving them permission to enroll in classes at Seton Hall.

**Full-time students**—those in a degree program who take courses for 12 or more credits in any semester, day or evening.

**Part-time students**—those in a degree program who take courses for 11 or fewer credits in any semester, day or evening.

### Qualifications for Admission

The University actively seeks qualified persons of varied races, cultures, experiences and national backgrounds. Qualified students are admitted without regard to race, color, religion, age, handicap, national origin, ancestry or sex.

The *minimum* academic requirement for admission is satisfactory completion of a college preparatory course of study, indicated below, in an accredited secondary school with credit for 16 acceptable units, or a secondary school equivalency diploma. The electives presented should be academic in nature, embracing courses in language arts, mathematics, science, social studies, foreign languages or humanities.

English	4 units
Foreign Language	2 units
Algebra I	1 unit
Plane Geometry	1 unit
Algebra II	1 unit
Science (laboratory)	1 unit
Social Studies	2 units
Approved electives	4 units

Students wishing to major in the physical or biological sciences are expected to have a more extensive background in the appropriate science areas. Applicants for the College of Nursing must present 2 units in science (biology

and chemistry) in addition to the general University requirements for admission.

Except when waived by the Committee on Admissions, scores on either the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of the American College Testing program must be submitted by all applicants.

## **Application Procedures**

### **First-Year Students**

All applicants should submit a completed application, required fee, official copy of high school transcript and SAT or ACT scores by March 1 for the Fall Semester and December 1 for the Spring Semester. Letters of recommendation are optional and may be submitted at the candidates' discretion. A personal interview is not a necessary part of the application procedure but is strongly recommended and can be arranged by request.

Decisions are made by the Committee on Admissions on a rolling basis as applications and credentials are received. The University subscribes to the Candidate's Reply Date of May 1 for tuition deposit. Late applicants, if accepted, receive extensions beyond this date.

No applicant is permitted to register for any undergraduate course until a letter of acceptance has been received. Freshman applicants who are not accepted for admission are not permitted to enroll under any status or in any division of Seton Hall for a minimum of one year.

### **Transfer Students**

Official transcripts of all college-level work taken at other institutions along with an official high school transcript must be submitted with the completed application form and fee. Candidates with fewer than 30 credits of college-level work at the time of application are also required to submit scores from the Scholastic Aptitude Test or American College Test. All credentials should be submitted by June 1 for the Fall Semester and December 1 for the Spring Semester. Seton Hall normally does not

enroll transfer applicants who were recently dismissed from other institutions.

When determining advanced standing for transfer students, all transcripts are evaluated on a course by course basis and credit is granted for courses equivalent to those offered at Seton Hall when a grade of "C" or better has been earned. In recognizing courses for transfer credit, the colleges and schools of the University must observe the regulations of their accrediting agencies.

### **Articulation Agreements with Community Colleges**

For the benefit of many New Jersey community college graduates, Seton Hall University has established articulation agreements with several New Jersey community colleges to facilitate the transfer process. These articulation agreements apply only to Arts and Sciences and Business majors, and are as follows:

#### **Business Transfer Students**

Bergen Community College  
County College of Morris  
Middlesex County College  
Raritan Valley Community College  
Union County College

#### **Arts and Sciences Transfer Students**

Bergen Community College  
Camden County College  
County College of Morris  
Passaic County Community College  
Raritan Valley Community College

The articulation agreements define the particular community college's courses that will be accepted as equivalents to requirements in the Seton Hall program.

### **International Students**

Applications from international students are accepted only for either full-time degree programs or for the English as a Second Language (ESL) Institute.

**Applicants for full-time degree programs** who are foreign students are required to take the Scholastic Aptitude Test (SAT) or Test of English as a Foreign Language (TOEFL) and must submit their applications for admission, application fee and all official documents sev-

eral months in advance of the semester in which they plan to enroll.

**The University requires that all transcripts be original.** Transcripts not in English must be accompanied by a certified English translation. In addition to the general University requirements, international applicants residing in a foreign country must submit evidence of adequate financing using the Personal Financial Information Form of Seton Hall University, accompanied by a bank's certified verification.

No documents submitted as part of the application process will be returned nor will any requests to duplicate documents be honored.

F-1 students accepted by other institutions are not eligible to transfer until they have successfully completed at least one semester of full-time academic work at that institution, demonstrated sufficient proficiency in English and submitted adequate evidence of financial support.

**Applicants for the English as a Second Language (ESL) Institute** are required to submit the appropriate application. Applicants who need a student visa to attend the ESL Institute must also submit certification of financial support and a report of a medical examination by a physician.

International students who are applying to study English as a Second Language at Seton Hall will be admitted only to the ESL Institute. Upon successful completion of the prescribed course of study, students will be awarded a certificate of proficiency by the ESL Institute.

Admission to the ESL Institute does not constitute admission to a degree program at the University. However, ESL Institute students are eligible to apply for admission to the University after successful completion of the program of study.

### **Readmission**

Degree candidates whose work has been interrupted for two or more consecutive semesters are subject to reevaluation on return and may be held to any change of requirements that may have been instituted in the period of absence. Students seeking readmission must also complete and file an Honorable Dismissal

Form, if they have not already done so, before their application for readmission will be considered.

## **Credit by Examination**

### **Advanced Placement Examinations**

Students with secondary school records indicating superior performance and who attain a score of 3, 4 or 5 on an Advanced Placement Examination of the College Entrance Examination Board receive advanced standing credit and may be permitted to register for advanced courses in the area(s) in which they qualify.

### **College Level Examination Program**

General and Subject Examinations of the College Level Examination Program (CLEP), with certain limitations, are recognized for advanced standing credit. General Entrance Examination scores must be at or above the fiftieth (50th) percentile for degree credit. No score in Mathematics or any language except Spanish will be considered for credit, and no CLEP credit will be granted in a student's major. To receive credit for Subject Examinations, scores must be at or above the recommendations of the Commission on Educational Credit of the American Council on Education. For further details be sure to consult the Office of Admissions prior to registering for CLEP examinations.

The maximum number of credits by examination that may be applied toward a baccalaureate degree is 30.

Full-time students may not apply for CLEP credits within their final 60 credits. Part-time students may not apply for CLEP credits within their final 30 credits.

## **Campus Tours**

Both group and individual tours are sponsored regularly by the Student Ambassador Society throughout the academic year. Group tours are conducted four days a week. Individual tours can be arranged most weekdays between 9 a.m. and 5 p.m. Call the Office of Admissions at (201) 761-9332 for an appointment two weeks in advance of a visit.

# ACADEMIC INFORMATION

## Accreditation

Seton Hall University is fully accredited by the Middle States Association of Colleges and Secondary Schools. The academic qualifications of the undergraduate programs of several schools have merited their accreditation by appropriate professional memberships as well. Further information on college and program accreditations can be found within the program listings of various departments of the colleges and in the listing of University memberships, page 225.

## School Curricula

To assure the attainment of its particular aims, each school of the University prescribes a program of basic courses and areas of study. Each student in the school must complete the sequence in the program. For specific school course and credit requirements candidates should consult the program outlines for the College of Arts and Sciences, page 49; the W. Paul Stillman School of Business, page 163; the College of Education and Human Services, page 184; and the College of Nursing, page 206.

In addition to individual school requirements, each department or division of the University prescribes certain courses to fulfill major field and concentration requirements. All candidates for the bachelor's degree must maintain a grade point average of 2.0, both overall and in their major courses, except for the College of Education and Human Services where 2.5 is the minimum grade point average for both retention in the program and for graduation.

## Academic Advisement

Academic advising is a process that assists students in gaining the greatest possible benefit from their education at Seton Hall. In addition to helping prepare student schedules, academic advisers help students understand themselves, recognize their educational needs, realize their educational aspirations and pre-

pare for their future in an appropriate career, profession or graduate study program.

During the freshman year, students will work with a Freshman Studies mentor (see page 45 for information about Freshman Studies). Thereafter, students will consult with departmental advisers assigned by the chairperson. Students are urged to consult their advisers on a regular basis with regard to program planning, academic policy questions and career information. Advisers can direct students to persons and University offices which offer specialized assistance in such areas as personal counseling, career placement services, tutorial assistance and other student services.

Transfer students accepted to Seton Hall will receive by mail a preliminary and/or final advanced standing evaluation. This evaluation will indicate how many credits have been approved for transfer to Seton Hall, and in which areas. Transfer students may then seek advisement for course selection.

## Transfer between Schools of the University

Students who wish to transfer from one school or college to another in the University must file a Curriculum Adjustment Form with the chairperson of the department and the dean of the school to which they wish to transfer. The dean may admit students who meet requirements for admission to the school.

Applications for transfer should be made at least two months before the opening of the term in which the transfer is to be effective.

## Change of Major

Students may change major programs with the permission of the chairperson of the department into which they wish to transfer. If the major change involves a change in college, the permission of the dean of the college is also required. In order to effect a change of major, students must secure the required signatures on a Curriculum Adjustment Form, which must then be filed with the Office of the Registrar.

### **Declaration of Minor**

Students may declare a minor by completing a Curriculum Adjustment Form. Students may also use a Curriculum Adjustment Form to rescind a prior minor declaration.

### **Class Attendance**

Students are expected to attend all classes. Students whose absences in the judgment of the instructor are causing performance below reasonable expectations are referred to their academic dean for appropriate action.

### **Academic Integrity**

All forms of dishonesty whether by act or omission, including, but not limited to, cheating, plagiarism and knowingly furnishing false information to the University are prohibited. Intentional disruption or obstruction of teaching, research or administrative proceedings is prohibited. University sanctions may extend to suspension and expulsion.

Work submitted in courses must be the product of the efforts of the student presenting the work, and contributions of others to the finished work must be appropriately acknowledged. The presentation of another's work as one's own is a serious violation of the academic process, and it is penalized accordingly. The decision on the appropriate penalty is in the first instance the professor's, and it may extend to a failing grade for the course.

### **Transfer Policy for Courses taken in Other Institutions by Current Seton Hall Students**

Students matriculated in the University may not take courses in any other college or university without the prior permission of their chairperson and the dean of their school. Students with 30 or fewer credits to complete for their degree are not eligible for this permission. No credit is allowed for courses taken unless an official form granting permission is on file with the Office of the Registrar, to whom an official transcript of this work must be sent directly. No credit for work completed in a regular session or summer session in another institution may be applied

toward a degree requirement unless the grade received is C or better; grades for transfer courses are not used in computing the major grade point average or the overall cumulative grade point average.

Students should consult their departmental advisers for transfer regulations which may apply to individual schools within the University.

**Residency.** The final 30 consecutive credits for a degree must be taken at the University. Of these 30 credits, the number to be taken in the major field is determined by each department.

Nursing students in off-campus programs must complete a minimum of 30 credits at Seton Hall University.

### **Independent Study**

Several schools and departments of the University offer opportunities for independent study. Application forms and regulations for independent study may be obtained from the department chairpersons.

### **Application/ Evaluation for Graduation**

By December 1 of the junior year, students are required to report to the Office of the Registrar to make application for degree. Students should consult their *on course* degree audits as a guide to registration and to assure that they meet degree requirements.

## **Registration Regulations**

### **Preregistration and Registration**

To prepare for preregistration for the coming semester, students must consult with their academic adviser, who will assist them in selecting an appropriate schedule of classes from the *Registration Handbook*. The handbook is a compendium of important information for the semester and includes the schedule of courses, the details of preregistration procedures for the semester, the academic calendar and information about academic regulations and procedures. All students are urged to familiarize themselves with the handbook.



## **Preregistration**

Students who plan to continue their studies in the following semester are required to preregister for courses. This accords continuing students first priority in course selection for the following semester. Continuing students who do not preregister are assessed a failure to preregister fee.

Preregistration dates are generally scheduled during early November for spring semesters and during late March and early April for fall semesters. Preregistration for Wintersession and Summer Session is also available to allow students to plan their academic schedules in advance. Preregistration for Wintersession is generally scheduled for early December; Summer Session preregistration dates are usually in mid-March.

## **Academic and Financial Responsibility**

The University will reserve seats in classes for all students who pre-register. The students then incur both academic and financial responsibility for any preregistered course(s). Accordingly, students who preregister must pay their tuition bills by the due date or notify the University registrar in writing by that same date of their intention not to attend so that their reserved class seats may be made available to other students. Cancellation notice of course reservations by this deadline removes all semester tuition and fee charges.

Preregistered students who cancel course registrations after the payment due date, but before the first day of class, will be liable for registration fees but not tuition charges. Students who cancel course reservations after the Friday which precedes registration will incur prorated charges according to the Total Withdrawal Schedule.

Students who register during the registration or late registration periods incur academic and financial responsibility for their courses and must submit payment by the due date appearing on the bill. These students will be liable for tuition charges and fees, unless they officially drop courses in the Office of the Registrar by the end of the add/drop period, in which case they are responsi-

ble for registration fees only. Withdrawal after the end of the add-drop period will result in the assessment of prorated charges.

## **Adjustments to Semester Schedule**

Adjustments to the semester schedule are permitted through the second Friday of the semester; by the day of the second class meeting for summer courses, and on the first day of class for Wintersession. To add or drop a course, the student and adviser must complete the Adjustment to Schedule Form available in the Office of the Registrar. It is the responsibility of the student to submit these forms with all required signatures by the add-drop deadline. When a student has properly dropped a course, the course is removed from the student's semester schedule. Nonattendance does not constitute dropping a course. The only way a schedule may be adjusted is for the student to file the Adjustment to Schedule Form with the Registrar's Office.

In no case will a student be allowed to drop or add a course after the end of the add-drop period. No refund or credit will be granted for any course which is not officially dropped by the appropriate deadline.

## **Semester Credit Load**

As a rule, no full-time, matriculated student may take courses for more than 18 credits in any semester. However, with the permission of the dean of the school, the student whose grade point average in the preceding semester was 3.0 or higher may be allowed to take additional courses. The non-matriculated student may not register for more than 9 credits in any semester. The part-time student may take courses for no more than 11 credits in any semester. During summer session the credit load is one and one-half credits for each week of the particular session. Students may not complete more than 12 credits during a Summer Session.

## **Graduate Courses for Undergraduate Students**

Under specified conditions undergraduate students with a 3.0 grade point average may take graduate courses in

their senior year. Students must secure written permission in advance of their registration.

## Withdrawal

Students who find it necessary to withdraw from any school of the University should notify the University registrar on the official form provided for that purpose. If this is not done, it will not be possible to grant a letter of honorable dismissal.

## Students' Access to Records

The University provides all present or former students with the right of access to inspect and review by appointment any and all educational records, files, and data that relate directly to them. The registrar answers all questions relating to right of access.

## University Grading System

The University uses the following letter grades on the undergraduate level to indicate the record of achievement in courses taken:

Letter Grade	Quality Point Weight
A Superior	4.0
B+ Good	3.5
B Good	3.0
C+ Satisfactory	2.5
C Satisfactory	2.0
D+ Poor but Passing	1.5
D Poor but Passing	1.0
F Failing	0.0
P Pass	0.0
I Incomplete	0.0
IW Incomplete Withdrawal	0.0
AU Audit	0.0
NR No Record	0.0
<b>Instructional Credit Courses Only</b>	
SP Satisfactory Performance	0.0
RR Retake Required	0.0

The following are explanations and regulations which apply to certain grades:

**I—Incomplete:** Indicates non-completion of assignment(s) or failure to take the examination for a course. Students must obtain written permission to receive an Incomplete by submitting a Course Adjustment Form to the professor before the officially scheduled final examination. The professor will indicate on this form the amount of time allowed for completion of this work, up to a maximum of twelve months or by the time the student has graduated (whichever comes first). If the missing course requirements are completed within this time period the professor must submit a new Course Adjustment Form indicating the changed grade to the dean's office within 10 working days. If a grade of "I" is not resolved within the time allotted, this grade will be changed automatically and permanently to "IW." In extenuating circumstances a written request for a limited time extension to complete course requirements may be submitted in advance of the one year deadline by the student to the professor and dean of the college in which the course was offered, with a copy to the Office of the Registrar for approval. The grade "I" is not counted in determining class standing, eligibility or grade point average.

**IW—Incomplete Withdrawal:** If, within twelve months or by graduation (whichever comes first), a grade of "I" has not been resolved, it is automatically changed to "IW." The grade "IW" indicates that the student has not satisfied within the permissible time period all outstanding requirements for the course in which an "I" was received. An "IW" grade is not reversible; it does not count in determining class standing, eligibility or grade point average.

**WD—Withdrawal from a class:** Withdrawal from a class with written permission incurs no academic penalty. Appropriate forms must be submitted to the Office of the Registrar. Withdrawal will be allowed up to the end of the fourth week after the end of the add/drop period without faculty or dean sig-

nature during fall and spring semesters. Withdrawal will be made at the Registrar's office by the individual student using the Course Adjustment Form. After the end of this initial period, withdrawals will require signatures of faculty members and deans. Under normal circumstances course withdrawal will be allowed only through the Friday of the eighth week of each semester. Withdrawal after that date will be allowed by the respective deans' offices only under exceptional circumstances. Consult summer session and Winter-session schedules for withdrawal deadlines. A "WD" is not reversible; it is not counted in determining class standing, eligibility, or grade point average.

**P/F—Pass/Fail Option:** This option is open to matriculated undergraduate students on a restricted basis. Students may opt for Pass/Fail grading in free electives for a maximum of 12 credits, with no more than 6 pass/fail credits in any 12-month period. Students must file the Course Adjustment Form with the course instructor and the dean of the college or school in which they are matriculated. The deadline for Pass/Fail requests (and for their cancellation) is the end of the fifth week of class for Fall/Spring Semesters and for summer, the first third of the course's class meetings. See registration handbooks for specific dates. Pass/Fail courses may not be taken in the department in which a student is majoring. A pass grade is used in determining class standing and eligibility, but is not used in computing grade point average.

**AU—Audit Option (no credit):** Students who wish to audit a class must submit a request on a Course Adjustment Form, available in the Office of the Registrar. Students who register as auditors are expected to attend class regularly but are not obliged to take tests or comply with any other class requirements. Auditors may enroll for any course for which they are qualified. They may be dropped from a course by the professor if their presence impedes normal class progress. They may not change from audit to credit or vice versa after the fifth week of class or the first third of the course meetings in summer session. The designation of AU is noted

on the transcript. AU is not used in determining class standing, eligibility or grade point average.

**SP—Satisfactory Performance:** Successful completion of an institutional credit course is indicated by an "SP" grade. Courses with "SP" grades are used to determine class standing and eligibility but are not factored into the grade point average and are not counted toward degree requirements since these courses are for institutional credit only.

**RR—Retake Required:** Student must retake institutional credit course.

### **Student Appeal for Grade Change**

A request for a grade change must be made in writing to the instructor no later than four months from the date of the submission of the final grade in the course. Incompletes are not final grades and are governed by stated University policies. If the matter is not resolved in ten class days from the submission of the request for change, the student has recourse to the University grievance policy.

### **Grade Point Average**

To calculate weighted averages, quality units assigned to grades are multiplied by the number of credits assigned to the course in which the grade is received. For example, a grade of B+ in a 2-credit course represents 7 quality units; a grade of A in a 3-credit course equals 12 quality units and so forth. The sum of the quality units that the student had earned is then divided by the sum of credits attempted which are graded "A" through "E." The resulting figure when truncated to four decimal places is then rounded by adding .0005 and truncating all but three digits to the right of the decimal.

### **Repeated Courses**

If a course is repeated, only the higher grade is used in grade point average computation; the lower grade will remain on the transcript marked "repeated." Credit for repeated courses may be counted only once in determining class standing. Students must advise the registrar and their adviser if they are retaking a course for a higher grade.

## Class Standing

These classifications do not excuse the student from meeting the course requirements of a school department.

**Freshman**—A student who has completed fewer than 30 credits.

**Sophomore**—A student who has completed at least 30 but fewer than 60 credits.

**Junior**—A student who has completed at least 60 but fewer than 90 credits.

**Senior**—A student who has completed 90 or more credits.

## University Policy on Probation

### Full-Time Students:

A full-time undergraduate student is one who is registered for a minimum of 12 credits in the current semester. A student enrolled in a department-approved program in which fewer than 12 credits is the recommended full-time credit load is also a full-time student.

Full-time undergraduate students are required to:

- (1) complete successfully at least 24 credits in each 12 months of full-time registration and
- (2) have a cumulative GPA of at least: 1.75 for freshmen, 1.90 for sophomores and 2.00 for juniors and seniors.

### Eligibility

Students who were registered for the previous two semesters as full-time students but have not successfully completed 24 credits in the previous 12 months are not eligible

- (1) to participate in recognized student activities, including varsity athletics;
- (2) to hold office in recognized student organizations; and
- (3) for student employment.

The dean of the student's college may waive any or all of these ineligibilities if the student's failure to complete the 24 credits in the previous 12 months was due to medical conditions, family emergencies or other similar circumstances

beyond the student's control. The dean's waiver is to be accompanied by a signed written agreement between the student and the dean outlining the course of action to be taken by the student to remedy the deficiency.

### Warning

A student who meets the cumulative GPA criterion but whose GPA for any one semester falls below 1.75 (if a freshman), 1.90 (if a sophomore) or 2.00 (if a junior or senior) shall receive a letter of warning from the dean of his/her college, reminding the student of the criteria for probation.

### Probation

Students whose cumulative GPAs do not meet the minimum requirement are automatically placed on probation for the current semester. Probation is a disciplinary period during which the student is afforded the opportunity to raise his/her cumulative GPA to meet the minimum requirement.

As soon as the respective dean is informed of the failure of a student to maintain the minimum GPA, the dean must inform the student by letter that he/she is on probation, and remind the student of the minimum requirements. The dean must require the student to meet with the dean and with the student's department chairperson or their representatives.

Students on probation are permitted to enroll on a full or part-time basis. Their course loads may be restricted by the dean.

If a student is placed on probation for a second consecutive semester, the dean must conduct a suspension/dismissal review and the student is ineligible

- (1) to participate in recognized student activities, including varsity athletics;
- (2) to hold office in recognized student organizations; and
- (3) for student employment.

The dean may waive any or all of these ineligibilities if the student's failure to maintain the required minimum GPA was due to medical conditions, family emergencies or other similar circumstances beyond the student's control.

The dean's waiver is to be accompanied by a signed written agreement between

the student and the dean outlining the course of action to be taken by the student to remedy the deficiency.

Dismissal constitutes permanent expulsion from the University. Suspension constitutes removal from the University for a stipulated period of time. The dean shall review the student's progress with the student's department chairperson and with the student, and may also consult with other appropriate persons. The resulting decision must be communicated to the student in writing by the dean. Normally, the review will allow no more than one additional semester for the student to improve his/her performance.

If a student's performance is not satisfactory after the period of extension, suspension or dismissal is automatic unless the dean grants an additional extension in writing. The registrar shall distribute lists of students placed on probation or in default of the 24-credit requirement to the deans, the department chairs, the Director of Financial Aid, the Faculty Representative for Athletics, and the Vice Chancellor for Student Affairs. The dean shall notify these officials and the registrar of any waivers, extensions, suspensions or dismissals. In areas under their jurisdiction, these officials must assure that students do not participate in activities, organizations or employment for which they are ineligible under this policy.

### **Part-time Students:**

A part-time undergraduate student is one who is registered for fewer than 12 credits in the current semester.

Part-time undergraduate students are required to have a cumulative GPA of at least: 1.75 for freshmen, 1.90 for sophomores and 2.00 for juniors and seniors.

Part-time students who meet the above standards are eligible:

- (1) to participate in recognized student activities, except for varsity athletics; and
- (2) to hold office in those student organizations the constitutions of which specifically provide for such office holding.

Part-time undergraduate students whose cumulative GPAs do not meet the minimum requirements are automatically placed on probation.

As soon as the respective dean is informed of the failure of a student to maintain the minimum GPA, the dean must inform the student by letter that he/she is on probation, and remind the student of the minimum requirements. The dean must require the student to meet with the dean and with the student's department chairperson or their representatives. Part-time students on probation are subject to the rules and procedures outlined above for full-time students.

A part-time student who meets the cumulative GPA criterion but whose GPA for any one semester falls below the applicable minimum shall receive a letter of warning from the dean of his/her college, reminding the student of the criteria for probation.

### **Appeals**

A student who believes that a decision made in his/her regard has been procedurally incorrect, or has otherwise violated his/her rights, may appeal the dean's decision to the provost, according to the established University grievance procedures.

### **Student Policy and Procedure**

A handbook delineating policy and procedures for students is available through the Student Activities Office located in the Bishop Dougherty Student Center.

### **Class Attendance**

Attendance at each class meeting is expected for each student. Instructors may take class attendance into account when determining grades as long as a clear statement on attendance policy and its impact on grading is given to students at the start of the semester within the syllabus distributed at that time.

### **Identification Cards**

All members of the University community must present a University identification card upon request to any University official, representative or campus police officer. Identification cards must be presented at residence halls, Brennan Recreation Center, the computer center and McLaughlin Library. The identification card office is in Bayle Hall.

## Honors

### Dean's List

After the close of every semester, the dean of the school publishes on the Dean's List the names of full-time students who have earned 12 credits or more and who have done outstanding work during the semester. Undergraduate students completing all courses with a grade point average of 3.0, with no grades lower than C, qualify for the Dean's List.

### Graduation Honors

Honors citations are awarded in connection with the granting of the bachelor's degree. Honors awards are computed on the basis of all Seton Hall credits earned by the student through the semester in which the degree is granted. The registrar determines eligibility for graduation honors. In computing these honors the grade point system is used. Honors are awarded only to students who meet the following grade point average requirements and have a minimum of 60 earned Seton Hall credits:

<i>Cum Laude</i> (with honors)	3.395—3.594
<i>Magna Cum Laude</i> (with high honors)	3.595—3.894
<i>Summa Cum Laude</i> (with highest honors)	3.895—4.000

### Transfer Student Honors

Transfer students are awarded honors only on the basis of course work taken at Seton Hall; transfer students must complete a minimum of 60 credits in residence by graduation in order to qualify for graduation honors.

## National Honor Societies

- Alpha Epsilon Delta* (pre-medical)
- Alpha Mu Gamma* (foreign languages)
- Alpha Sigma Lambda* (part-time students)
- Beta Alpha Psi* (accounting)
- Beta Gamma Sigma* (business)
- Delta Epsilon Sigma* (Catholic honor society)
- Kappa Gamma Pi* (Catholic women's honor society)

- Kappa Delta Pi* (education)
- National Honor Society of the Financial Management Association*
- Omicron Delta Epsilon* (economics)
- Phi Alpha Theta* (history)
- Pi Mu Epsilon* (mathematics)
- Pi Sigma Alpha* (political science)
- Pi Sigma Epsilon* (business)
- Psi Chi* (psychology)
- Sigma Pi Sigma* (physics)
- Sigma Theta Tau* (nursing)
- Sigma Xi* (science)
- Theta Alpha Kappa* (religious studies)
- Theta Rho* (Spanish)

## Course Numbering System

The course identification number includes a four-character subject field and a four-digit course number, for example: ENGL 1201, College English I.

The following guide was used to develop the course numbers:

### Significance of 1st digit

- 0 - non-credit or institutional credit.
- 1 - freshman-level course; no prerequisites, except for the first part of a two-semester course.
- 2 - second-level course, with at least one 1-level prerequisite.
- 3 - third-level course, with at least one 2-level prerequisite.
- 4 - fourth-level course, with at least one 3-level prerequisite.
- 5 - senior seminars and similar capstone undergraduate courses.
- 6 - first-level graduate courses.
- 7 - second-level graduate courses, with at least one 6-level prerequisite.
- 8 - third-level graduate courses, with at least one 7-level prerequisite.
- 9 - fourth-level graduate courses with dissertation.

### Significance of 2nd digit

May indicate sub-discipline within a subject area.

### Significance of 3rd and 4th digits

May indicate course order or corequisite, etc.

**Caution:** The course number is intended as a guide only. Prerequisites must still be checked with the University catalog and student advisers.

## Course Offerings

Not every course listed in bulletins of the University is offered each semester. Before each registration period the University publishes a schedule of classes, indicating which courses may be taken during the coming semester and the times at which they will be given. The University reserves the right to cancel any course for which registration is insufficient, to change the time and place of any course offered and to change the professor assigned to teach the course.

## FINANCIAL INFORMATION

### Tuition and Fees

During the past several years, Seton Hall University, like other private universities, has experienced increased costs which have resulted in higher tuition charges. The tuition and fees shown are in effect as of the date of publication. The University reserves the

right to make whatever changes may be deemed necessary by the Board of Regents before the beginning of any semester.

### Payment of Tuition and Fees

Semester bills with payment dates indicated are mailed to students who preregister (preregistration is required of continuing students). Charges are assessed for all course reservations, regardless of class attendance. Courses must be officially dropped in the Registrar's office before due dates listed in course booklet.

All checks, drafts and money orders should be made payable to Seton Hall University. Payments made by mail should be in the envelope enclosed with the bill.

No student may preregister for a subsequent semester, begin a new semester, reserve a residence hall assignment or make any course changes with an unpaid balance from the preceding semester. In no case will a student receive a degree, diploma, grades or transcript of credits until charges have been paid in full.

Mastercard and VISA are accepted.

### Tuition

*Rate per credit: students admitted after spring 1989	.....	\$330.00
*Rate per credit: students admitted before summer of 1989	.....	305.00
(Lower tier tuition rate applies through spring 1992.)		

### General Fees

Application fee	.....	\$25.00
Deposit following acceptance (non-refundable)	.....	150.00
Graduation fee	.....	50.00

### Special Fees

†University fee per semester (all undergraduate full-time students)	.....	\$275.00
(all part-time students)	.....	90.00
Summer and Wintersession	.....	45.00
Residence halls per semester	.....	1848.00
Resident student per semester:		
Activity Fee	.....	12.50
Restoration Fee	.....	42.50
Board per semester: 7 meals weekly plus meal points	.....	900.00
10 meals weekly	.....	861.00
14 meals weekly	.....	911.00
19 meals weekly	.....	963.00

Residence deposit (credited toward semester room charges).....	250.00
Challenge Examination fee (each) .....	20.00
ROTC deposit (refundable) .....	75.00

## Miscellaneous Fees

**Late registration and/or late payment fee (minimum) .....	\$35.00
Failure to Pre-register fee .....	65.00
Transcripts (per copy) .....	3.00
Student teaching/internship placement fee .....	35.00
New student fee (matriculated) .....	100.00
I.D. card .....	5.00

Out of state students may call 1-800-The Hall, Seton Hall University's toll-free number, to obtain information about admissions and financial aid.

\* Certain Roman Catholic religious students and seminarians are eligible for a 50 percent discount. Senior citizens are also eligible for tuition discount.

† This charge covers a part of the cost of such items as registration, course counseling, library, gymnasium, placement bureau, Student Center, student activities, vocational guidance, laboratory fees. The University fee for full-time undergraduate students includes Recreation Center membership. Optional Recreation Center membership is available to all other students at \$100 per semester.

\*\*This fee applies to any semester bill remaining unpaid after the last day of the registration period. The fee is **not** assessed for students who have arranged in advance for deferred payments. The fee is assessed when a check has not been honored for payment. An additional \$10.00 is assessed for each additional week after the first week of classes for late registration and/or payment.

## Charges for Course Changes

Course schedules may be modified with an Adjustment to Schedule Form through the second Friday of classes. The payment of additional tuition incurred by a student as a result of such a change in program is due on the date which appears on the bill.

Any credit that appears on the student's financial account as a result of a dropped course may be applied toward charges for a subsequent semester or, if requested in writing, refunded directly to the student. No financial adjustment will be made for courses dropped after the change in program period.

## Withdrawal from the University

Total withdrawal is defined as having withdrawn from all courses for a given term; when a student is registered for only one course and withdraws from that course, he is considered totally withdrawn.

The general University refund policy for tuition and refundable University fees is based on the date of total withdrawal according to the following schedule:

1 week	80%
2 weeks	60%
3 weeks	40%
4 weeks	20%
more than 4 weeks	none

These charges apply to students who leave to attend another college or university or who leave because of financial conditions, family or personal reasons.

If the student has paid an amount in excess of the assessed charges, the excess amount also will, if the student desires, be reserved for credit or a refund will be given upon request. In the case where the student is granted credit for the semester's work, the total charge is due and payable.

If a student is dismissed or withdraws because of prolonged illness, an account will be rendered according to the percentage ratio of the total number of days elapsed during the student's attendance to the total calendar days of the semester. A "prolonged illness" is one which



must be attested to by a doctor's certificate to the effect that the illness is or was of such a nature as to require the student's absence for a period of three consecutive weeks.

If a student has made only partial payment of tuition and fees and the pro-rated charges exceed the partial payment, the additional amount is due and payable at the time of withdrawal. A student will not receive an honorable withdrawal until all financial obligations have been met.

Any refund which is necessary as a result of withdrawal from the University will be made only by mail. Refunds will not be made until at least two weeks after the start of a semester.

## Withdrawal from Residence Halls

The housing contract that all resident students sign is binding for the entire academic year (Fall and Spring Semesters). Once a student properly "checks in" to a room assignment the contract obligation begins, and **no refund of housing charges will be made**. The University considers "check in" to be proper when the student accepts the room key.

At the end of the Fall Semester, students may be released from their housing contract and relieved of Spring Semester housing charges:

1. If Housing and Residence Life is notified **in writing** by December 1, and
2. The resident student is:
  - A. Withdrawing from the University
  - B. Marrying (proof required)
  - C. Transferring to another University (proof required)
  - D. Graduating
  - E. Special Exemption (approved by the Assistant Director of Housing and Residence Life)

## FINANCIAL AID

The University maintains and administers programs of financial aid funded by the University, federal and state governments, various industries and foundations. Financial aid may be in the form of a scholarship, grant, loan, employment opportunity or a combination of these.

The University believes that in most cases the amount of aid granted a student should be based on financial need and therefore requires each applicant to file a Financial Aid Form (FAF) through the College Scholarship Service (CSS). This service assists colleges, universities and other agencies in determining need. The FAF form may be obtained from either the applicant's high school or the Office of Financial Aid at Seton Hall University.

In addition to the general University requirements and procedures for application for admission (page 10), students requesting financial aid must complete the Financial Aid Form as soon as possible after January 1 each year. Because some funds are limited, applications are considered on a first-come, first-served basis.

### Federal Programs Administered by Seton Hall University

#### Pell Grant

A federal grant program of up to \$2400 per academic year.

#### Perkins Loan (formerly National Direct Student Loan)

A 5 percent interest loan of up to \$2000 per academic year.

#### Supplemental Educational Opportunity Grant

An outright gift of \$200-\$1500 per academic year to students from low-income families, provided funds are made available.

#### College Work-Study Program

Students who demonstrate need may qualify for part time jobs at the University (maximum 20 hours per week). The

federal government contributes the major portion of the funds; the University contributes the remainder. Applications are available at the University Office of Financial Aid.

**Nursing Student Loan**

A 5 percent interest loan of up to \$2500 per academic year, provided funds are made available.

**Armed Services Programs for Nursing Students**

Programs for the professional education of basic and registered nurse students at the undergraduate level who apply for appointment in the Army Student Nurse Program or Navy Nurse Corps Candidate Program at the beginning of their junior year. These appointments carry generous financial allowances.

**Veterans Benefits**

Eligible student-veterans may receive monthly payments under the veterans' education program. Children and spouses of veterans whose death or total and permanent disability was service-connected may be eligible for educational benefits under the War Orphans' Educational Act of 1956. Details on these programs are available from the nearest Veteran's Administration office or from the University's Financial Aid Office.

**ROTC Scholarships**

For students who seek a commission in the U.S. Army after receiving their college degree, this scholarship offers up to full tuition and fees, plus an allocation for books and a \$1000 per year stipend. They are available to both men and women.

**New Jersey Grants**

**New Jersey Tuition Aid Grants (TAG)**

New Jersey residents qualify for the TAG grant of up to \$4600 per academic year by completing the New Jersey Financial Aid Form and demonstrating financial need. Eligibility is determined by the New Jersey Department of Higher Education.

**New Jersey Garden State Scholarships (GSS)**

High school seniors recommended by their principals, based on rank in class

and SATs, are awarded \$500 or \$1000 scholarships to attend a New Jersey college. These awards are renewable for four years.

**New Jersey Educational Opportunity Fund (EOF)**

This grant, funded by the State, is limited to students accepted into the University's Educational Opportunity Program as educationally and economically disadvantaged. Awards are up to \$1950 per year. *The above three awards are renewable, provided the student maintains satisfactory academic progress and demonstrates need based on the New Jersey Financial Aid Form each year.*

**Student Loans**

**Stafford Loans**

Students may borrow up to \$4000 per year (limited to \$2625 per year for freshmen and sophomores) at 8 percent simple interest. Repayment of principal and interest does not begin until six months after leaving college. Eligibility is based on financial need as demonstrated by the Financial Aid Form.

**Parent Loan for Undergraduate Students (PLUS)**

In addition to the student obtaining a GSL, parents may borrow up to \$4000 at 12 percent simple interest. Repayment begins within 60 days of receiving the loan.

*Applications for these two loans may be obtained from your local bank or credit union.*

**Scholarships**

Academic scholarships are awarded annually on a competitive basis to entering students. Freshman recipients are evaluated upon approval of application and must demonstrate outstanding scholastic ability and achievement in their high school records, College Board scores and recommendations by the high school principal or guidance counselors. Transfer candidates must present a cumulative grade point average of 3.50 for scholarship consideration. All awards range from \$1500 to full tuition.

## University Funded Programs

### Chancellor's and Academic Scholarships

These are academically competitive, partial and full tuition competitive scholarships offered to outstanding incoming freshmen. The Chancellor's Scholarships are limited to Catholic high school graduates who have been recommended by their principals. Academic scholarships do not have a special application. Admissions applicants will automatically be considered based on high school records and SAT scores. These scholarships are subject to renewal based on evidence of continued high academic achievement at the University.

### Reverend Martin Luther King, Jr. Scholarships

Ten competitive scholarships are offered each year to freshman minority students with potential for academic excellence.

### Cooperative Education

Students who maintain a 2.8 or better GPA can qualify for co-op placement at the end of their sophomore year.

### Seton Hall Grants

These grants are awarded to incoming freshmen who demonstrate financial need and above-average academic achievement. Renewal is based on continued need, satisfactory academic performance and available funds.

### Athletic Scholarships

Scholarships are available for outstanding achievement in a number of men's and women's sports. Write to the University Athletic Director for more information.

### Student Employment

In addition to the Federal College Work-Study Program, the University funds a number of campus jobs. Applications are available at the Office of Financial Aid.

### Transfer Scholarships

These scholarships are awarded annually to qualified transfer candidates. To be considered for a scholarship, the transfer applicant must demonstrate exceptional academic achievement.

## Endowed Scholarships

The following established scholarships contribute toward the expenses of eligible students to the extent of income derived from them by the University. Many of these scholarships have restrictions, but the University makes every effort to identify worthy recipients.

### Licia Albanese Scholarship

Founded in 1951 by Licia Albanese of the Metropolitan Opera and friends.

### All Saints Church, Jersey City, NJ Scholarship.

Founded in 1928 by the Monsignor Joseph H. Meehan, LL.D., of Jersey City, NJ.

### Alumni Association

Established in 1986 and funded through the efforts of the alumni association.

### Joseph and Margaret Auth Scholarship

Founded in 1931 by Reverend Alois Auth of St. Nicholas Church, Jersey City, NJ, in honor of his parents.

### Bayley Seton League Scholarship

Founded in 1944 by the Bayley Seton League of Seton Hall University.

### Monsignor Daniel Brady, All Saints, Jersey City, NJ Scholarship

Founded in 1951 by the Monsignor Daniel J. Brady.

### Edward and Alice Byrne Scholarship

Founded in 1941 by the estate of William E. Byrne in memory of his father and mother.

### Joseph M. Byrne, Sr. Scholarship

Founded in 1953 by Joseph M. Byrne, Jr. in memory of his father.

### Philip H. Campbell Memorial Scholarship

Founded in 1931 by Mrs. Charlotte R. Campbell of Newark, NJ, in memory of her husband.

### Honorable Peter J. Carey, K.C.S.G. Scholarship

Founded in 1936 by Raymond T. Carey in honor of his father.

### Monsignor Eugene P. Carroll Scholarship

Founded in 1939 by Monsignor Eugene P. Carroll of Hoboken, NJ.

**Joseph J. Carroll Scholarship**

Inaugurated in 1983 by a contribution from C.I.T. Financial Corporation in honor of Mr. Carroll, class of 1960 and a senior executive of the corporation, this award is presented annually to a senior accounting major selected by the faculty of the Department of Accounting and Financial Management.

**The Raymond G. Chambers Scholarship**

Established in 1985 in memory of Thomas J. Griffin.

**Reverend Henry G. Coyne Memorial Scholarship**

Founded in 1933 by Monsignor John J. Murphy of Sacred Heart Church (Vailsburg), Newark, NJ.

**Edward C. Devine Scholarship**

Founded in 1952 by the estate of Edward C. Devine.

**Diamond Jubilee Scholarship**

Founded in 1931 by Monsignor Joseph H. Meehan.

**Reverend Arthur S. Dombrowski Scholarship**

Founded in 1944 by the estate of the Reverend Arthur S. Dombrowski.

**Katherine E. Donoghue Scholarship**

Founded in 1982 by the estate of Katharine E. Donoghue.

**Bishop John J. Dougherty Scholarship**

Founded in 1963 by the Scholarship Club of Seton Hall University.

**First National State Bank of New Jersey Scholarship**

Founded in 1974 in honor of W. Paul Stillman, Chairman of the Board. Recipient must be an upper classman in the W. Paul Stillman School of Business.

**Ruth Foley Scholarship**

Founded in 1987 by a bequest from Ruth Geraldine Foley for needy undergraduate women enrolled in the College of Education.

**Reverend John D. Furman Scholarship**

Founded in 1947 by Reverend John D. Furman in memory of Mr. and Mrs. John S. Furman.

**Mildred J. Galanti College of Nursing Scholarship**

Founded in 1984 by Mr. and Mrs. Peter M. Galanti, this fund is restricted to students enrolled in the College of Nursing.

**Peter M. Galanti College Seminary Scholarship Fund**

Founded in 1975 by Mr. and Mrs. Peter M. Galanti, this fund is restricted to students enrolled in the College Seminary.

**Henry Gasser Scholarship**

Founded in 1984 by the estate of Henry and Joan Gasser for art majors.

**Gustav L. Goerz Scholarship**

Founded in 1956 by Gustave F. Goerz, Jr., in memory of his father.

**Monsignor Joseph N. Grieff Scholarship**

Founded in 1942 by the estate of Monsignor Joseph N. Grieff of Union City, NJ.

**Elizabeth Menk Griffin Memorial Scholarship**

Founded in 1988 by her father Carl W. Menk, for needy and meritorious undergraduates.

**John F. Hagerty, M.D., LL.D., Scholarship**

Founded in 1930 by John F. Hagerty, M.D., LL.D., of Newark, NJ.

**Nellie Hanley Scholarship**

Founded in 1940 by the estate of Nellie Hanley of Orange, NJ.

**Cornelius Heeney Scholarship**

Founded in 1987 by the Brooklyn Benevolent Society for needy New York City area residents.

**Charles F. Henderson Scholarship**

Founded in 1944 by the estate of Charles F. Henderson of South Orange, NJ.

**John C. Henderson Scholarship**

Founded in 1950 by John C. Henderson of South Orange, NJ.

**William T. Henderson Scholarship**

Founded in 1946 by William T. Henderson of South Orange, NJ.

**David and Rose Hurley Scholarship**

Founded in 1952 by David J. Hurley.

**Hugh T. Hurley Memorial Scholarship**  
Founded in 1968 by Mrs. Carmelita Hurley and children.

**C. Mark Judge Memorial Scholarship**  
Founded in 1968 by friends of the Judge family in memory of C. Mark Judge of the Junior Essex Troop.

**Thomas J. Kavanagh Scholarship**  
Founded in 1953 by the estate of Thomas J. Kavanagh of Jersey City, NJ.

**Rose Kehoe Scholarship**  
Founded in 1937 by the estate of Mrs. Rose Kehoe of Jersey City, NJ.

**RJR Nabisco Scholarship**  
Founded in 1988 by alumni and RJR Nabisco Incorporated for deserving business majors.

**National Starch and Chemical Company Scholarship**  
Founded in 1988 by The National Starch and Chemical Foundation for deserving chemistry majors.

**D. J. Pat Reilly Scholarship**  
Founded in 1988 by The College of Nursing Alumni Association for meritorious seniors majoring in nursing.

**Monsignor Joseph M. Kelley—Wilfred Yudin—Freda Yudin Tilkin Scholarship**  
Founded in 1963 in memory of Barnet and Anne Yudin. Recipient must be a member of St. Peter's Parish, Belleville, NJ.

**Eugene F. Kinkead Scholarship**  
Founded in 1956 by Eugene F. Kinkead of South Orange, NJ.

**Samuel Klein and Jerome M. Fien Scholarship**  
Founded in 1966 by Samuel Klein, C.P.A., and Jerome M. Fien, C.P.A., of Samuel Klein and Company, Newark, NJ, in honor of the Apostolic Delegate to the United States, the Archbishop Egidio Vagnozzi.

**Knights of Columbus Scholarship**  
Founded in 1944 by the New Jersey State Council of the Knights of Columbus.

**Ellsworth A. Kreiger Scholarship**  
Founded in 1977 by the estate of Ellsworth A. Kreiger.

**Elizabeth Giuliano Magnes Scholarship**  
Founded in 1986 by the parents of Elizabeth in her memory. Awards limited to students majoring in education.

**Honorable and Mrs. Thomas F. McCran Scholarship**  
Founded in 1928 by Mrs. Thomas F. McCran of Paterson, NJ.

**John G. McGrath Scholarship**  
Founded in 1935 by the estate of Cecile Langton of Elizabeth, NJ, in memory of her uncle.

**Reverend Eugene C. McGuire Scholarship**  
Founded in 1975 by the estate of Reverend Eugene C. McGuire, class of 1933, pastor emeritus of St. Leo's Church, Irvington, NJ.

**Mary and Philip A. McGuire, Sr. Memorial Scholarship**  
Founded in 1975 by the estate of Reverend Eugene C. McGuire.

**Monsignor John L. McNulty Scholarship**  
Founded in 1959 by the Scholarship Club of Seton Hall University.

**Monsignor John L. McNulty Memorial (Opera) Scholarship**  
Founded in 1960 by all schools, institutes and auxiliaries of Seton Hall University.

**Mutual Benefit Life Scholarship**  
Founded in 1974 in honor of W. Paul Stillman, Chairman of the Board. Recipient must be an upperclassman in the W. Paul Stillman School of Business.

**RJR Nabisco Scholarship**  
Founded in 1988. Recipients to be deserving accounting majors.

**Newark Servicemen's Scholarship**  
Founded in 1948 by the Receiver of the Servicemen's Center Association of Newark, NJ.

**Joseph W. Noto Scholarship**  
Founded in 1959 by William Borea of Ridgfield Park, NJ, and Philip Noto, M.D., of Passaic, NJ.

**Monsignor Richard P. O'Brien Scholarship**  
Founded in 1974 by the estate of Monsignor Richard P. O'Brien.

**Catherine E. O'Connor Scholarship**

Founded in 1936 by the estate of Mrs. Catherine E. O'Connor of Newark, NJ.

**John S. O'Connor Scholarship**

Founded in 1936 by the estate of Mrs. Catherine E. O'Connor of Newark, NJ.

**Reverend Michael C. O'Donnell Scholarship**

Founded in 1959 by the estate of Mrs. Ellen M. O'Donnell.

**Mary A. Potts Scholarship**

Founded in 1952 by the estate of Mary A. Potts.

**The Raleigh Scholarship**

Founded in 1987 by an alumnus, Mr. W. James Raleigh, for undergraduates enrolled in the W. Paul Stillman School of Business.

**James R. Reardon Class of 1955 Memorial Scholarship**

Founded in 1977 by Mrs. Patricia H. Reardon and friends in memory of her husband.

**Regents Scholarship**

Founded in 1986 and to be awarded to qualified incoming freshmen.

**George Ring Alumni Scholarship**

Founded in 1987 by an Alumni Association fund raiser for needy finance majors.

**Martin Rothschild Scholarship**

Founded in 1945 by the estate of Mrs. Elizabeth L. Rothschild of East Orange, NJ.

**Sacred Heart Church, Bloomfield, NJ Scholarship**

Founded in 1915 by Reverend J. M. Nardiello.

**Saint Aloysius' Church, Newark, NJ Scholarship**

Founded in 1928 by the Reverend J.J. Preston.

**Saint Patrick's Church, Jersey City, NJ Scholarship**

Founded in 1928 by the Holy Name Society of that parish.

**Saint Paul's Holy Name Scholarship**

Founded in 1940 by the Holy Name Society of St. Paul's Church, Jersey City, NJ.

**St. Rose of Lima, Short Hills, NJ Ladies Auxiliary Scholarship**

Founded in 1970 by the Ladies Auxiliary of St. Rose of Lima Church.

**Caroline Di Donato Schwartz Scholarship**

Founded in 1951 by Caroline Di Donato Schwartz to be used in the College of Nursing.

**Maria Jeritza Seery Memorial Scholarship**

Founded in 1984 through a bequest from the estate of Maria Jeritza Seery.

**Archbishop Seton Scholarship**

Founded in 1927 by the estate of Robert Seton, D.D., Archbishop of Heliopolis.

**Seton Hall College Day Scholarship**

Founded in 1947 by Mrs. Regina D. Hagerty of Newark, NJ, in memory of her husband, John F. Hagerty, M.D., LL.D.

**Seton Hall University Scholarship Fund**

Founded in 1950 by the University.

**Seton Junior League Scholarship**

Founded in 1950 by the Seton Junior League of Seton Hall College.

**Francis J. Sexton Scholarship**

Founded in 1937 by Reverend Francis J. Sexton of Ridgewood, NJ.

**Daniel A. Skinnel, Jr., Scholarship**

Founded in 1934 by the estate of Evelyn I. Skinnel of Whitestone, Long Island, NY.

**Reverend Sebastian B. Smith, J.U.D., Scholarship**

Founded in 1928 by the estate of Reverend Sebastian B. Smith, J.U.D., of Paterson, NJ.

**William J. Stoutenburgh Scholarship**

Founded in 1961 by William J. Stoutenburgh of Ridgewood, NJ.

**Monsignor Swider Scholarship**

Founded in 1929 by the estate of Monsignor Sigismund Swider, M.R., of Bayonne, NJ.

**Martin F. Tiernan Scholarship**

Founded in 1956 by Martin R. Tiernan of Essex Fells, NJ.

**Helen and Ruth Warrin Scholarship**

Founded in 1985 by the estate of Helen Warrin for education majors.

**Michael J. White Scholarship**

Founded in 1947 by Monsignor Michael J. White of Newark, NJ.

**The Women's Guild of Seton Hall University Scholarship Fund**

Founded in 1956 by the Women's Guild of Seton Hall University in conjunction with funds from Reverend Francis J. Sexton, F. Jerome McNulty, and the International Brotherhood of Electrical Workers No. 1470. Restricted to premedical and premedical students.

**C.J. Weiss Scholarship**

Founded in 1983 in honor of C.J. Weiss.

**Centennial Parochial Scholarships**

The following scholarships are established by various parishes in the Archdiocese of Newark and are available to qualified applicants from their particular parishes:

**Holy Cross Church, Harrison, NJ Scholarship**

Founded in 1953 by Monsignor William A. Costelloe.

**Immaculate Conception Church, Montclair, NJ Scholarship**

Founded in 1953 by Reverend John A. Munley.

**Our Lady of Grace Church, Hoboken, NJ Scholarship**

Founded in 1954 by Monsignor William B. Masterson.

**Our Lady of Mount Carmel Church, Bayonne, NJ Scholarship**

Founded in 1953 by Monsignor Anthony A. Tralka.

**Our Lady of Mount Carmel Church, Jersey City, NJ Scholarship**

Founded in 1954 by Monsignor Walter P. Artioli.

**Sacred Heart Church, Jersey City, NJ Scholarship**

Founded in 1953 by Reverend John A. Nowlen, O.P.

**Saint Casimir's Church, Newark, NJ Scholarship**

Founded in 1953 by Monsignor Paul Knappek.

**Saint Genevieve's Church, Elizabeth, NJ Scholarship**

Founded in 1953 by Monsignor John H. McManus.

**Saint Mary's Church, Nutley, NJ Scholarship**

Founded in 1954 by Monsignor James J. Owens.

**Restricted Grants and Awards****College of Nursing Fund Scholarship****Joseph P. Connor Scholarship**

A yearly award established by the Songwriter's Guild Foundation in memory of Father Joseph P. Connor, an alumnus of Seton Hall University for a student or students majoring in music in the Department of Art and Music.

**Ernst & Whinney Scholarship for accounting majors****William Eyres Scholarship Fund****John F.X. Greene Memorial Scholarship****Hoffman-LaRoche Scholarship for nursing majors****Felix Labienice Grant****Sr. Agnes Reinkemeyer Nursing Scholarship****Caroline Schwartz Scholarship****Switzer Foundation Scholarship****Van Houten Scholarship for nursing majors****STUDENT AFFAIRS**

The Division of Student Affairs coordinates the following departments: Athletics and Recreational Services, Campus Ministry, Career Services, Counseling Services, Health Services, Housing and Residence Life, Student Activities and the Student Center. It maintains an open door policy and encourages all students, full time, part time, undergraduate, graduate, day or evening, to stop by if they have any questions or problems in reference to the University.

The central office is located on the second floor of the Bishop Dougherty Student Center, Room 231.

## Athletics

The Department of Athletics and Recreational Services organizes, manages and promotes all intercollegiate and recreational sports activities at Seton Hall University, with the purpose of enriching the educational experience of every involved student.

On an intercollegiate level, the University competes in 17 sports, with nearly 300 student athletes, and is a member of the BIG EAST Conference, one of the nation's top leagues.

Pirates athletic teams have enjoyed unprecedented success. The men's basketball team advanced to the Final Four and played for the championship of the NCAA Tournament in 1989. The baseball and soccer teams have won BIG EAST team championships; the track team has had an NCAA individual champion and the women's tennis team has had a BIG EAST champion.

A number of Seton Hall student-athletes have been named to All-America and Academic All-America teams.

Six Seton Hall athletes also participated in the 1988 Summer Olympics, and secured Olympic medals, including the gold.

## Recreational Services Program

The University's Recreational Services Program promotes health and wellness and encourages wise use of leisure time. It provides extensive programmed activities developed to complement the many "open-recreation" opportunities provided by the Robert E. Brennan Recreation Center.

A comprehensive program of non-credit instructional courses in "lifetime" sports and fitness/wellness activities is offered in the center, including aerobics, dance, swimming and racquet sports.

The intramural program is open to all interested participants and offers recreational and leisure sports activities: leagues, tournaments and special events. Students can participate in flag football, basketball, volleyball, softball, soccer, tennis, racquetball, walleyball, pickleball, road races and more.

Club sports at Seton Hall are available to students interested in a higher level of competition than intramurals in a sport not offered on the intercollegiate level. Clubs are organized, financed, and run by the students with the administrative assistance of the Department of Athletics and Recreational Services. Current club sports include hockey, bowling, rugby and tae-kwon-do.

The Offices of the Department of Athletics and Recreation are located in the Recreation Center. Information about intercollegiate athletic programs may be obtained by calling 761-9497. For information concerning intramurals, non-credit instruction or Recreation Center memberships, call 761-9720 or 761-9524.

## Campus Ministry/ The University Parish

Campus Ministry/University Parish (located in South Boland Hall) provides a Roman Catholic parish life on the University campus. A weekly University Parish Bulletin publishes special observances, scheduled activities and educational material to deepen individual commitment to follow in the way of Jesus Christ and to share that faith in service to others. Daily masses and opportunities for the sacrament of reconciliation highlight the ongoing schedule.

Students form the Parish Council and welcome additions to their active groups.

Campus Ministry enriches the academic year by enlivening the University's religious heritage in the traditions of the outdoor Mass of the Holy Spirit in September, the special Thanksgiving and Advent liturgies, the Christmas tree lighting and blessing of the manger, Palm Sunday procession and the end-of-the-year liturgical celebration.

The main Immaculate Conception Chapel is complemented by chapels in Boland and Xavier Residence Halls for private prayer, evening mass and special scheduled uses. All are open daily.

Staff (religious and lay) are available for personal counseling/spiritual direction. Monthly overnight retreats, weekly



prayer groups, Rite of Christian Initiation of Adults and sacramental preparation are regularly part of the educational programs. Pro-life (SHUFL) activities and charitable drives are continuous. The Division of Volunteer Efforts (DOVE) coordinates numerous volunteer services and welcomes one-time participation or ongoing involvement.

## **Career Services**

Career Services offers a variety of resources and a complete range of services to students in all majors and all years in school aimed at enhancing career, academic and professional development.

**Career Development:** Career guidance and advisement on choice of major, occupational exploration and employer research are provided to all students. Regularly scheduled workshops are held on such topics as career decision making, career lecture series, resume writing, interviewing skills, videotaped interviewing skills, researching an employer and transition from college to career. More than 50 workshops are scheduled each semester and announced in the Career Services Newsletter. An annual Career Day hosts over 100 employers each October. Standardized tests, including the Strong Interest Inventory as well as other instruments designed to enhance self-knowledge and life/career are administered.

### **Career Information Center:**

This resource room in Career Services has a wide variety of books, annual reports, files, periodicals and audiovisual materials related to career decision making. COM-LINK and SIGI-PLUS computerized career guidance systems are also available to students in the Career Information Center. These materials are geared to providing realistic and current educational and occupational information, such as job outlooks, career fields, interest assessment, time management, help with job finding skills and strategies, and specifics on employers recruiting at Seton Hall.

**Cooperative Education:** The Co-op program offers eligible students in the College of Arts and Sciences and the W. Paul Stillman School of Business an important head start in their careers by alternating semesters of full-time work with semesters of full-time classroom study, enabling them to graduate with up to three semesters experience in their chosen fields. Each student works under the advisement of a faculty member. Students earn competitive salaries and academic credit for each work period with Fortune 500 employers.

Courses in the cooperative education program include:

**Cooperative Education I**—Introductory experience in cooperative education. Assignment will be made in entry-level position of employment. The course is taken only with the permission of the student's co-op faculty adviser. Prerequisite: junior standing. 3 credits.

**Cooperative Education II**—A second assignment with the following alternatives: higher-level positions, and/or increased responsibilities, with the same or a different employer. The course is taken only with the permission of the student's co-op faculty adviser. Prerequisites: junior standing and completion of Co-op I. 3 credits.

**Cooperative Education III**—This course is specifically oriented to the academic major with recognition of career objectives. It is taken only with the permission of a co-op faculty adviser. Prerequisites: junior standing and completion of Co-op I and II. 3 credits.

See further details on the co-op program in the appropriate academic areas, such as the W. Paul Stillman School of Business and the College of Arts and Sciences.

**Graduate Information:** This service offers help with decision making concerning graduate studies and school selection, including study abroad programs. A comprehensive graduate and professional school catalog collection is maintained. The center provides information and applications concerning national qualifying exams (GRE,

GMAT, MAT, LSAT, and so forth), and administers the Miller Analogy Tests. A five year post-graduate credential file is kept for all seniors registered for this service. On-campus interviews with selected graduate schools are conducted each year.

**Placement Services:** Placement Services provide information and access to employment trends and specific job opportunities through a variety of services and programs. Job listings, on-campus interviews with more than 200 employers, individual advisement and referral, career fairs and career preparation workshops are among the employment oriented services. Ki Nexus computerized job matching program is also available to students. Specific staff are assigned to serve the needs of students in each school and college of the University: Arts and Sciences, Business, Education and Nursing. A five-year credential file system is available to education majors.

Career Services offers resources and programs to students, including career development, cooperative education, graduate information and placement services. Career Services follows a pattern of student's awareness, exploration, experience and choice. Students' career preparation is enhanced by the following specific steps during each year of college rather than waiting until their senior year and graduation.

### **Comprehensive Student Plan for Career Development**

#### **I. Freshman Year**

##### **A. Goals:**

1. Student becomes aware of career fields in relation to major.
2. Leadership potential is explored and defined.
3. Work related values are developed.

##### **B. Activities:**

1. Develop initial curriculum plan, including cooperative education or internship with assistance of faculty adviser.
2. Attend career exploration workshops and seminars.

3. Participate in Freshman Studies.
4. Supplement academic studies by joining a club or organization.
5. Utilize COM-LINK, SIGI-PLUS, the Career Information Center and Careers by Major.
6. Explore a wide variety of career areas by reading and talking to faculty and professionals in the field.
7. Student receives assistance in obtaining part-time or summer job.
8. Non-business majors consider the Minor in Business.

#### **II. Sophomore Year**

##### **A. Goals:**

1. Student explores and determines preliminary major/career choice.
2. Required preparation for Cooperative Education or internships.

##### **B. Activities:**

1. Reaffirm curriculum plan and major with faculty adviser.
2. Complete PSYC 1217 Psychology of Careers course and the Alumni Career Network.
3. Student participates in individual advisement, informational interviewing and networking.
4. Student takes part in Career Day, career workshops, lecture series and initial Co-op interviews.
5. Student explores initial Co-op, part-time or summer job to test career field.

#### **III. Junior Year**

##### **A. Goals:**

1. Course selection within major is carried out.
2. Student experiences career choice and confirms or changes.
3. Graduate or professional school options are considered.

B. Activities:

1. Interviews for Co-op placements.
2. Completion of Co-op work assignments.
3. Student discusses graduate school along with other career options with Graduate Information Services and faculty.
4. Student takes the GRE, GMAT, LSAT, etc. if considering graduate school.

IV. Senior Year

A. Goals:

1. Contacts are established in chosen career field.
2. Career choice is finalized.
3. Transition from student to employee or graduate student occurs.

B. Activities:

1. Complete second or third Co-op placements or internship.
2. Attend required Placement Services workshops, register with Ki Nexus and file Candidate Data Sheet, a standardized resume form.
3. Establish credential file and apply to graduate school.
4. Participate in Placement Services on-campus recruiting.

## University Counseling Services

Professional counselors offer an opportunity to explore personal concerns and to develop more effective ways of living. Students may choose individual short-term counseling or ongoing group counseling modalities. In addition, workshops are offered on a regular basis for increased competency in life skills.

### Professional Staff

The Counseling staff consists of professional counselors whose education and interests prepare them to assist University students.

## Available Services

### Short-Term Personal Counseling

University Counseling Services provides short-term counseling, typically for a maximum of three months. Referrals are made when appropriate for longer-term treatment.

### Student Development Programs

Workshops or seminars are designed to assist students in increasing awareness or competence in specific areas.

Typical programs include:

- Women's Programs
- Conflict Management
- Assertiveness Training
- Self-Awareness
- Stress Management
- Alcohol Education
- Study Skills and Test Anxiety
- Adjusting to College
- Eating Disorder Education
- Date Rape

### Personal Growth Groups

Students may want to participate with other individuals in a group atmosphere for the purpose of personal development. Groups are formed around common concerns and include: addiction recovery, ACOA concerns, adult incest survivors and personal growth topics.

Appointments to see a counselor can be made by calling 761-9500 or by visiting the office (Mooney Hall, 2nd Floor). The first meeting can usually be scheduled within a few days. (In an emergency, a counselor is always available.) After the initial interview, regular appointments can be conveniently scheduled with a counselor. All services are confidential and free of charge.

## Health Services

The purpose of the Health Service is to help students maintain and achieve optimal health as well as assist them when they are ill. The staff provides a wide range of services which include physical examinations and laboratory screening, management of acute illnesses, routine gynecological care and allergic desensitization. The Health Ser-

vice is staffed by registered nurses and nurse practitioners from 8 a.m. until 5 p.m. and by student health aides from 5 p.m. until 8 a.m. A physician is available daily, but appointments are recommended. Appointments or other information may be obtained by calling (201) 761-9175 or visiting the Health Service on the first floor of South Boland Hall.

## Housing and Residence Life

The on-campus living experience is an important part of the educational experience at Seton Hall.

Seton Hall's separate residence halls are structured to meet an individual's needs and provide students with many options in selecting their living environment.

Each hall is staffed with a professional resident director, who resides on campus, as well as a full complement of graduate and undergraduate staff. The resident director works closely with student resident assistants in carrying out their responsibilities. Each wing houses approximately 40 students and at least one resident assistant. Information regarding furnishings, food service, mail, housekeeping and laundry facilities may be found in the student handbook.

**Responsibilities of Residents.** Resident students accept the responsibilities of community living experience, which include respect for other students and for the residence hall facilities.

Residents acknowledge these responsibilities by accepting the terms of the Housing license. Residents who violate policies or procedures are subject to disciplinary action which may result in suspension or expulsion from the residence halls.

## Priests in Residence Hall Program

Priest members of the University community reside in the various residence halls.

The role of the priests living in the residence halls is pastoral. They offer

our resident students opportunities for spiritual growth, counseling, prayer and Eucharistic celebration. In addition, the residence hall priests participate as much as possible in the educational, community service, cultural and social programs of the residence halls.

## Parking Facilities

Seton Hall University offers limited parking for commuting students and senior residents. Exceptions are made for other resident students in curriculum-related employment, such as co-op programs, internships, student teaching and clinical assignments. Handicapped spaces are located throughout the campus in proximity to academic buildings. The use of these spaces is strictly enforced.

Students must obtain a parking decal to park on campus. Detailed information about parking is available through the Parking Services Office, Mooney Hall, (201) 761-9329.

## University Security

Seton Hall University provides 24-hour security services throughout the campus. More information can be obtained by calling (201) 761-9300. The Security Office is located in Mooney Hall.

## Student Activities

The Department of Student Activities coordinates and advises campus activities and promotes leadership development designed to enhance the academic experience. All students are encouraged to participate in the wide variety of co-curricular activities on campus. Following are some of the major campus organizations:

### Student Government Association (SGA)

The Student Government Association is a bicameral body of students with the responsibility of representing their fellow students and providing programs. Elected representatives from the colleges and departments of the University make up the Student Senate. Student

senators are also selected to seats on the University Senate which deals with all legislative matters pertinent to the University.

### **Commuter Council**

The Commuter Council was established to assist in the development and implementation of a program of social and academic activities to promote the welfare and interests of commuting students. The Executive Board — consisting of a president, vice president, treasurer and secretary — encourages students to participate actively on the special events, academics, advertising, midday entertainment, and recreation and newsletter committees. All commuters are urged to become involved in the co-curricular activities sponsored by the Council to enhance their academic and personal growth.

### **Resident Student Association (RSA)**

The Resident Student Association is the student governing body representing the interests of all resident students. The Executive Board consists of a president, vice president, secretary, treasurer and chairperson and utilizes hall councils and various committees to establish policy and develop social and academic programs within the residence halls. All resident students are eligible for membership on standing committees and are encouraged to become actively involved with the Association.

### **Student Activities Board (SAB)**

The Student Activities Board is the central programming body for all activities on campus. Through its various committees, the Board provides a well-rounded and varied program. Extracurricular events sponsored by the SAB are organized through such committees as Films, Lectures, Travel/Recreation, Advertising, Special Events, Comedy and Concerts.

### **Student Organizations**

The following groups are jointly recognized by the Student Government Association and the Department of Student Activities:

Accounting Club  
Adelante  
African Student Leadership Coalition (ASLC)  
Alpha Epsilon Delta (pre-med)  
Alpha Kappa Psi (National Business Fraternity)  
American Chemical Society Affiliate  
Amnesty International  
Anthropology Club  
Archaeology Club  
Beta Alpha Psi  
Biological Science Society  
Black Student Union  
Bowling Club  
Brownson Speech and Debate Union  
Caribe  
College Republicans  
Chinese Student Association (CSA)  
Commuter Council  
Criminal Justice  
Economics Club  
Elizabeth Ann Seton Education Association  
Filipino League at Seton Hall (FLASH)  
Finance Club  
Freshman Class Council  
*Galleon* Yearbook  
Hockey Club  
Interfraternity Council  
International Students Association  
Italian Student Union  
Kappa Delta Pi (Academic)  
Korean Student Fellowship  
Lacrosse Club  
Let's Communicate  
Marketing Club  
Martin Luther King Scholarship Association  
Mathematics Club  
Men's Volleyball Club  
National Association of Black Accountants  
Nippon Society  
Pax Christi  
Pershing Rifles  
Physics Club  
Phi Alpha Theta (His Honor Society)  
Phi Alpha Delta (pre-legal)  
Political Science Club  
Psi Chi (Academic)  
Psychology Club  
Public Relations Society  
Resident Student Association  
Rugby Club  
Senate  
Senior Class Council

*The Setonian* (undergraduate newspaper)  
 Seton Hall United For Life (SHUFL)  
 Ski Club  
 Social Work Student Association  
 Sociology Club  
 St. Thomas Moore Pre-Legal Association  
 Student Activities Board (SAB)  
 Students Against Hunger and Homelessness  
 Student Ambassador Society  
 Student Government Association  
 Student Nursing Association  
 Tae-Kwon Do Club  
 Timeless  
 White Roses World Environmentalists  
 Women In Communications  
 Women's Soccer Club

### **Fraternities and Sororities**

In addition to the national honor societies, listed on page 20, fraternities and sororities active on campus include the following:

#### **National Fraternities**

*Lambda Theta Phi*  
*Omega Psi Phi*  
*Phi Kappa Sigma*  
*Phi Kappa Theta*  
*Pi Kappa Alpha*  
*Pi Kappa Phi*  
*Pi Sigma Alpha*  
*Sigma Nu*  
*Sigma Phi Epsilon*  
*Sigma Pi*  
*Sigma Tau Gamma*

#### **Local Sororities**

*Lambda Theta Alpha*  
*Phi Delta Pi*

#### **National Sororities**

*Alpha Gamma Delta*  
*Alpha Phi*  
*Delta Phi Epsilon*

## **Office of International Programs**

This office coordinates services to international students to help them bridge the gaps between academic, cultural and student life in their native country and in the United States. Specifically, the office reviews the admission of foreign students, advises them on financial aid, immigration and other legal questions, and coordinates student

and academic services. Exchange programs and other study-abroad programs are also coordinated through this office.

Exchange programs are currently in effect at Seton Hall with the following institutions:

- Sophia University, Tokyo, Japan
- International Student Exchange Program (ISEP), Washington, D.C.
- Catholic University of Puerto Rico, Ponce, Puerto Rico
- Inter-American University, San German, Puerto Rico
- Sacred Heart University, San Torce, Puerto Rico
- Universidad APEC, Santo Domingo, Dominican Republic

## **Special Services Program**

Funded by a grant from the U.S. Office of Education, the Special Services Program of Seton Hall University provides academic, career, tutorial and other student support services to approximately 350 Seton Hall University students who are classified as economically disadvantaged, limited English proficiency or physically disabled (Section 504 of the Rehabilitation Act of 1973).

Services for physically disabled students include special parking permits, elevator keys, tutors, note-takers, readers, classroom adjustments, ordering of textbooks and accommodations for test taking. Please call (201) 761-9168 for an appointment.

### **Seton Hall Theatre-in-the-Round**

The Seton Hall University theater program runs throughout the year and consists of two schedules of productions. Four shows are presented during the school year, September to May. The actors in these shows are primarily students directed by a faculty member. Shows vary from classical to modern. The program strives to give students a practical and historical approach to the dramatic arts. All students are eligible to audition.

The Summer Theatre-in-the-Round is a semi-professional program and is committed to a lighter fare of entertainment. The season usually starts during the last week in June with a musical

followed by a comedy, and ends with a mystery in the second week in August. The acting staff for the summer productions includes professional, community and student talent. The Summer Theatre-In-The-Round offers Seton Hall students a taste of competitive commercial theater.

### **Poetry-in-the-Round Program**

Directed by a member of the English department, the Poetry-in-the-Round program offers a literary forum of readings and discussions that have provided students with the opportunity to meet such writers as Stephen Spender, James Dickey, Richard Wilbur, John Updike, Stephen Sondheim, Ted Hughes, Arthur Miller, James Merrill and others.

### **WSOU-FM**

WSOU, which transmits with 2000 watts of power at 89.5 on the FM dial, is Seton Hall University's stereo radio station. It is operated by Seton Hall students, under the supervision of a professional director. The station broadcasts to a potential listening audience of 20 million in the tri-state metropolitan area. WSOU greatly enriches the career-oriented educational experience available to Seton Hall students by providing the opportunity for them to function as engineers, newscasters, sportscasters, disc jockeys or producers. Junior and senior students are provided with the opportunity to function in management positions with professional direction. One of the strengths of WSOU is its maintenance of a diversified program format while continuing to provide both increased educational opportunity for the students and service to the University. In 1976 WSOU became the first non-commercial station in five years to win the prestigious Peabody Award. The operation of WSOU is administered by the Department of Communication.

## **Alumni Association**

The Office of Alumni Relations, with a constituency of over 55,000 alumni, serves as a resource for all of the alumni of Seton Hall University. The Alumni Association is composed of five constituent boards: College of Arts and Sci-

ences, W. Paul Stillman School of Business, College of Education and Human Services, College of Nursing and School of Law.

The Association is governed by a board of directors comprising six elected representatives from each constituent group. The executive committee has a president, president-elect, five vice presidents, treasurer and secretary. The board is responsible for the conduct of all activities affecting the alumni of the University.

The objectives of the Association are promulgation of the principles and ideals of Seton Hall University by establishing the dialogue and environment that will encourage Seton Hall alumni to be proud proponents and competitive supporters of their alma mater and fellow alumni. Six committees assist in carrying out these objectives. They include Admissions and Recruitment Activities, Editorial and Public Relations, Placement Advisory, Student Cultivation and Alumni Data Base.

Membership is open to any person who has received a degree from Seton Hall University or who has been a student in good standing for a period of one academic year and who has withdrawn under honorable conditions. All members are entitled to vote and to hold office in the constituent association to which they belong.

The Association, through the Office of Alumni Relations, is staffed by personnel within the division of University Affairs. The Office of Alumni Relations publishes a quarterly publication containing updates on campus activity, feature stories about alumni and news from the various schools and associations.

Association members may obtain information regarding alumni activities by calling (201) 378-9822, or by writing to the Office of Alumni Relations, Seton Hall University, George M. Ring Building, 457 Centre Street, South Orange, New Jersey 07079-2691.

## Institutes and Centers for Learning and Research

### The Academic Computing Center.

The Computer Services Division of the University, through the Office of Academic Computing, provides all University students and faculty with free hands-on access to computers. A student computing center is maintained in Corrigan Hall and includes IBM, Apple and MacIntosh microcomputers, as well as mainframe terminals.

Regularly scheduled seminars build beginning and advanced user skills in mainframe and microcomputer skills. Documentation, diskette and video tutorials are also provided for LOTUS, Wordstar, DBase III, DisplayWrite 4 and others. Instruction is also provided in the use of mainframe computer systems, including SAS, SPSSX and BITNET, an international computer network which provides intra- and inter-campus electronic mail capability.

The Center also includes computer equipped classrooms and makes them available for faculty use. The Office of Academic Computing administers an IBM microcomputer resale program with discounts of 40% available. The staff provides advice on computer selection and technical assistance after purchase.

*Thomas W. Burnnett, Director*

**The Center for African-American Studies**, established at the University in 1970, encourages serious scholarship committed to social change and obtaining human rights. It also seeks to encourage, through the study of the unique history, society and life of black people, active participation in the struggle for social justice and freedom for black people and for all peoples.

The Center is assisted in its activities by an advisory board consisting of members of various divisions of the University, students and the community. It seeks to involve the entire University in an appreciation of the black experience and the promotion of social change. Further, it endeavors to respond to the black community and, by extension, to other related community groups. To achieve these objectives, the

Center offers special programs for community agencies held on campus and at various community sites.

Until 1984, the Center offered programs leading to the degree Bachelor of Arts and, with the College of Education and Human Services, the degree Master of Arts in Education, as well as an African-American studies minor certificate. These programs are now offered within the College of Arts and Sciences in the Department of African-American Studies (see page 57).

**The Archaeological Research Center for New Jersey** has conducted excavations since 1964, primarily in the upper Delaware River and Musconetcong River Valleys. These studies have helped to extend New Jersey's prehistoric heritage back 12,000 years. The results of these excavations and other research are published in numerous books and scholarly publications. The Archaeological Research Center is also headquarters for the Archaeological Society of New Jersey.

*Herbert C. Kraft, Director*

**The Center for College Teaching**, established through grants from the New Jersey Department of Higher Education and AT&T during the 1986-1987 academic year, is dedicated to enhancing teaching at the University.

The Center has a four-fold purpose: to serve as a resource for individual faculty members in supporting their teaching; to promote faculty discourse about their teaching roles and issues of learning-teaching at the University; to sponsor professional development opportunities for faculty; and to serve as an advocate of the interests of teaching and learning in the councils of the University.

In addition to serving as a resource center for books, periodicals and magazines focusing on teaching strategies and various elements of teaching, the Center publishes "off-white" University papers as well as a newsletter on teaching and learning strategies. It sponsors seminars, workshops and other development activities with a teaching focus and is instrumental in developing grant proposals and other programmatic initiatives.

*Albert B. Hakim, Director*



**The Division of Research of the W. Paul Stillman School of Business** provides sponsorship and support of a wide variety of ongoing research activities. Its publications and activities are intended to accomplish three goals: to encourage and facilitate faculty research; to meet local and regional community needs; and to keep others informed of the accomplishments of and contributions made by the faculty.

The Division provides manuscript preparation assistance, research funding information and other direct support of faculty research.

Publications include the semi-annual *Mid-Atlantic Journal of Business*, containing articles from experts in various fields; the *Faculty Working Paper Series*, a forum for initial versions of research findings; the *Reprint Series*, which provides copies of published articles of our faculty and *Division Reports*, which publishes the results of Division-supported research.

The director of the Division of Research is also responsible for overseeing the Institute of International Business and the Labor Relations Institute.

**Leigh Stelzer, Director**

**Institute for Criminal Justice**, established in 1989 by University College, in cooperation with the Department of Sociology and Anthropology, College of Arts and Sciences, seeks to bridge the gap between theory and practice in the field of Criminal Justice. Active programs include research, seminars and workshops that provide an ongoing forum for addressing crime-related issues that affect criminal justice practitioners and society at large. The Institute draws its staff from various units of the University and is affiliated with numerous criminal justice agencies, including the New Jersey Administrative Office of the Courts and the New Jersey State Police.

**Harold Launer, Director**

**The Institute of Far Eastern Studies**, established in 1951, promotes better understanding of Far Eastern culture in the American academic community. To meet this objective, the Institute, working with the Department of Asian

Studies, conducts special training programs, engages in scholarly research, sponsors conferences, gives public lectures, prepares instructional materials and publishes occasional papers and monographs. It has compiled textbooks and bilingual materials that have been widely used in schools, colleges and universities in the United States, Europe and Asia.

The Institute, aided by grants from foundations and the federal government, is a national pioneer in introducing the teaching of Chinese and Japanese in American high schools. In the last several years, it has promoted Chinese and Japanese bilingual education throughout the United States. The total program of the Institute is carried on by a director assisted by an advisory board of international scholars under the supervision of the University administration.

**John Young, Director**

#### **Human Services Center.**

The Department of Counseling Psychology, of the College of Education and Human Services, has developed the Human Services Center (HSC). The HSC provides training opportunities for students and staff at the pre-practicum, practicum and internship levels. It also offers psychological services to individual children and adults as well as couples and families from the University and surrounding communities. Specifically, the services will include the following: Individual, Marital, Family, and Group Counseling and Psychological Assessment. Consultation services will be provided to schools, community organizations, church and parent groups, industry and other organizations at their request.

**Steven Korner, Director**

**The Institute of International Business**, established in 1964, is involved in researching practical and theoretical international problems of the business community. The Institute offers a program of study leading to the Certificate in International Business. The program is interdisciplinary and consists of courses in the international aspects of accounting, economics, finance, management and marketing. The Certificate, offered as part of the M.B.A.

program, is also available to qualified individuals from industry on a non-degree basis.

**Agnes Olszewski**, *Director*

**The Institute of Jewish-Christian Studies**, founded in 1953, is primarily a center for research and publication. Its area of study is the Church's rootedness in Judaism and the relationship between the Church and the Jewish people through the ages. The Institute was instrumental in preparing the statement by the Second Vatican Council on "The Church's Bond with the Jewish People."

The Institute began a graduate program in Judaeo-Christian studies in the fall of 1975. In 1978 the program was incorporated into the College of Arts and Sciences; in 1979 it became a department of that College. Department and Institute are thus independent units, even though origin and goal bespeak an intimate relation. The requirements for admission to the program and a description of the course offerings may be found in the University's Graduate Bulletin.

**Monsignor John M. Oesterreicher**, *Director*

**The Middle Atlantic Cooperative Education Training and Resource Center, MACET&RC**, conveniently centered at Seton Hall University, is a federally funded regional center dedicated to training persons in planning, establishing, administering and coordinating cooperative education in colleges and universities. The aim of MACET&RC is to build on the proven merits of cooperative education by providing workshops, conferences and resource materials for college and university faculty and administrators, high school guidance counselors, and public and private employers. In addition to these programs, the specific needs of individual constituents with special requests can be addressed through targeted programs.

**Christopher Pratt**, *Director*

#### **Library Services**

Seton Hall University Library services involve the McLaughlin Library, Immaculate Conception Seminary Library, Media Center and Archives on the South Orange campus, and the independently administered School of Law

Library in Newark. The University offers a great variety of library services—including ready availability of extensive resources and current information technology, reference service by highly qualified librarians and convenient access to millions of books and other resources in other libraries worldwide.

**McLaughlin Library** houses most of the 480,000 volumes of books and periodicals in the South Orange collections and serves as the center of library services there. McLaughlin holdings include 2,200 current serial files, extensive microfilm holdings (particularly periodicals, newspapers and ERIC reports), a curriculum materials collection and U.S. and New Jersey government documents (the Library is a depository for both). Special collections focus on the American Civil War, Asian studies, classical studies, rare books and—most notably—Irish literature and history. The Library's broad range of services includes instruction and assistance in using this library and libraries and information systems generally, provision of online database searching and other specialized bibliographic support and transaction of interlibrary loans via the international online OCLC network and telefacsimile. Information technology available for student use includes microcomputers and a distinctive variety of bibliographic laserdisk systems. Through the Library's active participation in the County of Essex Cooperating Libraries System (CECLS) and State-funded Essex-Hudson Regional Library Cooperative, Seton Hall students enjoy borrowing privileges at nearby libraries and benefit from special library delivery services.

**The Immaculate Conception Seminary Library**, located in the Seminary Building, serves principally the Seminary and the associated School of Theology. Its extensive holdings focus on theology and church history and are especially rich in the area of liturgy and scriptural studies.

**The Media Center**, located in the wing of the Seminary Building, houses a variety of audiovisual materials, provides a wide range of classroom and production services and affords students the oppor-

tunity to utilize current media technology, including computer graphics.

**The Archives**, located in Duffy Hall, comprise both University records and the archives of the Archdiocese of Newark. The New Jersey Catholic Historical Records Commission works with the Archives to promote development and use of the church archives. Overall holdings now exceed 4000 cubic feet.

**Robert A. Jones**, *Dean of University Libraries*

**The Seton Hall University Museum**, founded in 1960, serves as an exhibition area and repository for archaeological specimens and objects of art. Included in its collections are tools, weapons and domestic implements from North and South America, Europe, Africa and the Middle East, some dating from as early as one million years ago. The Museum is renowned for its collection of Indian artifacts and pottery from New Jersey. Other Indian tribes are represented by fine examples of clothing, beadwork, blankets and cultural and ceremonial items. The University Museum maintains a fine archaeological reference library as well.

**Herbert C. Kraft**, *Director*

**The Near East Archaeological Research Center** fosters interest in the entire ancient Near East and focuses on the archaeology of Tell Safut, a Middle-Late Bronze Age and Iron Age site, occupied from ca. 4000 to 2500 years ago, during the time and in the general region where most of the Old Testament was written. The center is unique in that the artifacts and other findings from this important site are available nowhere else.

The center's first Near East archaeological expedition was to Tell Safut in Jordan in 1982 in a project jointly sponsored by Seton Hall University, the American Schools of Oriental Research and the Department of Antiquities of Jordan. For this and subsequent digs, faculty and students have taken the opportunity to travel to the Near East, tour its archaeological sites and become active participants in archaeological fieldwork. Future trips are planned.

The center, which now houses the findings of these expeditions, provides access to them for first-hand examina-

tion. The center is also open to the public at regular times and by appointment.

**Donald H. Wimmer**, *Director*

**The New Jersey Institute for Collegiate Teaching and Learning (NJICTL)**, established through a grant from the New Jersey Department of Higher Education in 1989, works with campuses statewide to expand the pool of faculty actively engaged in teaching and learning issues and to explore the challenges faculty confront in the classroom with special emphasis on the non-traditional student.

NJICTL convenes faculty workshops which provide a hands-on approach to teaching academically underprepared and non-traditional students, sponsors a faculty development network and the New Jersey Master Faculty Program, and provides forums for identifying and exploring new issues in teaching and learning through discipline-specific curriculum enhancement conferences.

Faculty and campuses are linked to resources across the state and nationwide through the use of an electronic bulletin board, the National Fellow-in-Residence Program and the New Jersey Institute Faculty Fellows Program. NJICTL also provides grants to support campus-based faculty initiatives to better meet student learning needs.

**Martin Finkelstein**, *Director*

**The Center for Public Service** offers a Master of Public Administration (MPA) degree program, intended for men and women currently working in public service (in-service) or seeking professional careers in public service (pre-service). It is a professional program in management for people interested in all levels of government, court administration, urban affairs, health care, criminal justice, human services and religious organization management and similar fields. The program stresses development of managerial and analytical skills, as well as moral and professional values.

**The Puerto Rican Institute** was established in the fall of 1974 to reinforce the Puerto Rican identity on campus and to develop awareness of the culture among all peoples. Specifically the Institute aims to recruit Puerto Ricans and other Hispanics at all levels. Utilizing

existing and outside sources, the Institute encourages courses and seminars exploring the island's sociological, economic, historical, political and cultural background.

To achieve the goal of recruiting and retaining Puerto Rican and other Hispanic students, the Institute has worked within established structures to improve needed support and assistance in this area.

Another purpose is to promote bilingual programs, staffed by tutor-counselors who assist students in learning and teaching English as a second language and improving their Spanish language competency and in offering other supportive services.

The Institute also seeks to involve the University in the surrounding Puerto Rican community by providing educational and cultural services, including movies, lectures, concerts and publications, which are relevant to that community.

**Jose Manuel Navarro,**  
*Director*

**The Talent Search Project of the Puerto Rican Institute** is a federally funded career and college counseling program that aids minority students in gaining acceptance into colleges, technical schools and educational programs throughout the country. The main thrust of the program is to establish and develop unconventional ways for identifying minority low income youth who have the potential to overcome disadvantages and to provide the supportive services needed to succeed in college.

The primary target population served by this program encompasses Barringer, Eastside, Vailsburg and Weequahic High Schools in the Newark school system, and individuals who are referred by community agencies and other sources.

**Lillian Perez,** *Director*

**The Center for Urban Research and Environmental Studies** was established in 1966 and is now administered by the Department of Sociology and Anthropology. Its functions are to conduct basic and contract research regarding urban and regional problems; to disseminate the findings of basic research through reports, books, seminars and symposi-

ums to urban practitioners and decision makers as well as professional and private investors; to enrich the educational programs in the University by making research findings available to disciplines concerned with urban problems; to afford research opportunities to both faculty and students interested in urban problems; and to provide a coordinating mechanism for disciplines and institutional activities dealing with urban problems. As an interdisciplinary unit within the University, the Center can draw on the faculties of the Colleges of Arts and Sciences and Education and Human Services and the Schools of Business and Law.

**Anne M. Santiago,** *Director*

**The Writing Center** facilities are available to all students, undergraduate and graduate, enrolled at Seton Hall University. Located in the academic wing of the Immaculate Conception Seminary, the Center serves as a support system for the English department and provides a range of services, including free consultation and tutorials. For further information, contact the Writing Center. The Center is open Monday through Thursday, 8 a.m. to 4 p.m., and Friday, 8 a.m. to 3 p.m.

**Bernadette Wilkowski,** *Director*

## Special Academic Programs

### Basic Skills Program

Seton Hall University administers the New Jersey College Basic Skills Placement Test (NJCBSPT) to all freshmen. The test measures skills in reading, writing, computation and elementary algebra. There is no fee for taking the test. Satisfactory scores on this test are prerequisites to the regular sequence of courses in English, mathematics and science.

Students who do not perform satisfactorily on the NJCBSPT will be required to take basic skills courses in English and/or mathematics: ENGL 0011, ENGL 0014, MATH 0011, MATH 0012, MATH 0014. Students must maintain a C average for these courses, and at the end of the semester they

must pass the NJCBSPT in its post form. The courses carry institutional credit only; the credits do not count toward the total required for graduation.

### **College Seminary Program**

Designed to prepare students for the diocesan priesthood, the College Seminary functions under its own rector, a spiritual director and director of the apostolic program.

The College Seminary is affiliated with the Seminary Department of the National Catholic Educational Association and with the Eastern Regional Association of Catholic Seminaries. It operates under the auspices of the Roman Catholic Archdiocese of Newark, but accepts students for the priesthood sponsored by other dioceses and religious orders as well. Students wishing to study for the priesthood of the Archdiocese of Newark at the college level are strongly encouraged to attend the College Seminary.

As members of Seton Hall University, students must be accepted for admission by the University before they can be enrolled in the College Seminary. College Seminary students board at St. Andrew's Hall, a few blocks from the main University campus. This newly refurbished building provides a community setting where students and priests live and work closely together in an atmosphere of friendship, study and prayer. For more information, contact the Immaculate Conception Seminary School of Theology.

### **Educational Opportunity Program**

The Educational Opportunity Program (EOP) is one of academic and financial assistance for disadvantaged New Jersey students whose true abilities and college potential may not be reflected in secondary school achievement. A personal interview is required as part of the application procedure. Supportive services in the form of a freshman summer program, tutoring, mini-courses, learning center enrichment and individualized counseling are provided for each student.

Students accepted into EOP are full-time matriculated students. Those students who meet eligibility criteria

receive the New Jersey Educational Opportunity Fund Grant (EOF). Inquiries may be directed to the Educational Opportunity Program, (201) 761-9161.

### **Honors Program**

Specially selected students are eligible to enter this program, which aims to provide a coordinated liberal arts foundation for students of all schools and majors in the University, based on the study of the great texts of the past. A selected faculty guides the students in interpreting and discussing these works in the context of their time, in explicating their meaning in good written form and in applying their basic concepts to the concerns of the modern world community. The approach used is interdisciplinary.

Students should complete the Honors Colloquia, which require six hours per week, in their freshman and sophomore years. Junior and senior seminars require three hours.

The program is enriched by visits to museums, concerts, theaters and cultural events in the metropolitan area. Films, slides and other audiovisual aids are integrated into the curriculum. For program requirements, see page 160.

### **International Programs**

To provide an international flavor to its various programs of study, Seton Hall University has established a number of exchange agreements, overseas programs and study tours for students and faculty. To participate in these offerings, students and faculty are encouraged to contact the Office of International Programs.

The University participates in the International Student Exchange Program (ISEP) with 80 foreign universities and offers opportunities for students to study abroad for extended periods of time. Students from the College of Arts and Sciences, the W. Paul Stillman School of Business, and the College of Education and Human Services may elect to spend their junior year abroad, experiencing another culture and language and deepening the scope of their education.

Exchange agreements with foreign universities allow for Seton Hall faculty

from all schools to teach and advise in areas of their expertise at overseas universities, as well as for faculty from those universities to bring their knowledge and skills here. The University faculty, in addition, arranges study tours abroad to enrich the learning/teaching experience for both students and faculty.

### **Pre-Medical/Pre-Dental Plus Program**

The Pre-Medical/Pre-Dental Plus Program offers a wide range of support services and activities during the year to assist students in gaining access to graduate and professional schools. Potential candidates must demonstrate the motivation and desire to pursue a career in the sciences; in addition, they must satisfy financial and educational criteria. Additional services include site visits, MCAT/DAT/GRE reviews, training/internship programs and a resource room. The program also offers financial assistance through the Educational Opportunity Fund (EOF) and a limited number of room and board awards.

### **ROTC Program**

The Department of Military Science conducts the University's Reserve Officer's Training Corps (ROTC) program. All full-time graduate and undergraduate students can pursue a commission in either the Regular Army or the Army Reserve in conjunction with regular college studies. For complete program description and course offerings, see pages 214-216.

Through a new cross-enrollment program, students attending a college without ROTC may register for ROTC at Seton Hall University and commute to the South Orange campus for required classes. Students who wish to qualify for the Air Force Reserve may cross-enroll in the program at New Jersey Institute of Technology (201) 596-3626.

### **Summer Session and Wintersession**

The University offers an extensive summer program of courses and special workshops which provide opportunities for students of Seton Hall and other colleges, as well as for new students starting their degree programs. Detailed information may be obtained by writing to the Office of Summer Session.

Wintersession offerings in January are intensive, innovative electives. Information is available from University College.

Some academic programs are available only to degree candidates within specific colleges. For information about these programs, see the individual college sections in this catalog.

### **Upward Bound Program**

The Upward Bound Program of Seton Hall University provides full-time, non-residential summer and academic year (Saturdays) support activities for disadvantaged youths attending eight high schools in the cities of Newark, East Orange and Orange, New Jersey. It also offers a Pre-Collegiate Program funded by the New Jersey Department of Higher Education and a Parents Program for college credits funded by the Victoria Foundation.

# FRESHMAN STUDIES PROGRAM

**Dean:** Peter G. Ahr

**Associate Dean:**

Reverend Anthony J. Kulig

**Faculty Mentors:**

Robin Cunningham

Susan Goff

Reverend James F.X. McManus

Forrest Pritchett

James Wrable

**Office Administrator:**

Helen Hamilton

The Freshman Studies Program assists Seton Hall freshmen in dealing with the three principal tasks first-year college students face: the need to develop new personal contacts and friendships, the need to adjust to new institutional arrangements and the need to clarify their academic and career goals.

At orientation before the beginning of freshman year, each freshman is assigned a faculty mentor from the Freshman Studies Program, who serves as academic adviser and institutional contact person throughout the freshman year. Freshmen plan each semester's academic program with the assistance of their mentor, and have the mentor's assistance in clarifying their goals for college.

Each freshman is also assigned an undergraduate peer adviser, a specially selected and trained upperclassman who works with the mentor in helping the freshman to adjust to college life and to make new friends in the student body. The mentor and peer adviser together keep track of the freshman's progress and are available to help solve problems as they occur.

The Freshman Studies Program also sponsors a number of social and academic activities throughout the year which are geared to help freshmen make new contacts and to explore possible academic majors and future careers. Freshmen are especially encouraged to seek out faculty members of departments they wish to major in, to clarify

their own understanding of the value of such a major for them, and to gain advice as how best to pursue their interests. It is the goal of the Freshman Studies Program that most freshmen will be able, by the conclusion of their first year, to make a realistic choice of an academic program which will be consonant with their interests and abilities.

The Freshman Studies Program allows students to explore major programs which appear to meet their needs, because almost all of the major programs in the University have common requirements for beginning students.

Freshmen normally take five courses each semester. In most cases, these courses will be three-credit courses, meeting for three hours per week. Students admitted on a probationary basis or who have other reasons to take a lighter than normal load take four courses each semester. All freshmen are strongly encouraged to take an additional one-credit course, SKIL 1104 College Study Skills, taught by their mentor, in their first semester.

Freshman academic programs generally follow this pattern:

## COURSE I

All academic programs in the University require ENGL 1201 and ENGL 1202 College English I and II in the freshman year. Students whose performance on the English portion of the New Jersey College Basic Skills Placement Test (NJCBSPT) indicates the need for additional help with writing before attempting ENGL 1201 will be placed in ENGL 0011 English Basic Skills in their first semester, and take ENGL 1201 in the second semester. They will then take ENGL 1202 either in the summer after their freshman year, or in the Fall Semester of their sophomore year.

Students whose performance on the reading section of the NJCBSPT indicates that they need additional assistance in developing their reading skills also take ENGL 0013 Reading Skills, as their third course.

Students whose performance on the NJCBSPT indicates that they are ready for ENGL 1201 immediately will take ENGL 1201 as their first course in their

first semester, and ENGL 1202 as their first course in their second semester.

Students who have been accepted into the Honors Program take HONS 1101 Colloquium on Ancient Civilization as their first course in the Fall Semester and HONS 1102 Colloquium on Medieval Civilization as their first course in the Spring Semester. These Honors Colloquia are six credits each semester, and fulfill the core curriculum requirements for both English Composition and Western Civilization.

### COURSE II

Almost every academic program at Seton Hall requires at least one mathematics course at the level of Statistics or Calculus (courses numbered MATH 1101 or higher). For the first semester, students are placed into a mathematics course appropriate to their present abilities in math, as demonstrated on the NJCBSPT and our mathematics department placement test. Students whose performance on these tests indicates that they are ready for the required mathematics course will take it as the second course in their first semester.

Students whose performance on the placement tests indicates that they need additional study before attempting the required course(s) will be placed into the appropriate mathematics course as the second course in their first semester, and move on to the required courses in later semesters. In some cases, students may have to take more than one semester of developmental or preparatory mathematics before attempting the required mathematics course(s). Students should be aware that they may not enroll in any science courses until they have completed all developmental mathematics courses they are required to take.

For the specific mathematics courses required for various major programs, see the appropriate sections of this *Bulletin*.

A number of major programs require only one semester of mathematics. Students who successfully complete that course in their first semester choose as the second course in their second semester another course which satisfies a core curriculum requirement of their

college or a departmental requirement of their intended major.

### COURSE III

For the third course, freshmen generally take an introductory course in behavioral science in each of their two freshman semesters. These courses include the following:

ANTH 1201 Physical Anthropology  
 ANTH 1202 Introduction to Cultural Anthropology  
 ARCH 1001 Archaeology  
 ECON 1411 Economics  
 POLS 1001 Introduction to Political Science  
 POLS 1401 Western Political Thought I  
 PSYC 1101 Introduction to Psychology  
 PSYC 1105-1106 Principles of Psychology  
 SOCI 1101 Principles of Sociology

Students who intend to major in any program of the W. Paul Stillman School of Business take PSYC 1101 and SOCI 1101 as their two behavioral science courses.

Students who intend to major in nursing take PSYC 1101 in the first semester and PSYC 2212 Developmental Psychology in the second semester.

Students who intend to major in psychology take PSYC 1105 and PSYC 1106 as the third course in their first two semesters.

Students who intend to major in political science take POLS 1001 as the third course in the first semester and either POLS 1401 Western Political Thought I or POLS 1610 Comparative Politics in the second semester.

ECON 1411 Economics is a behavioral science course for students not in the W. Paul Stillman School of Business. It should not be taken by School of Business students or by economics majors, who take ECON 1402 Principles of Economics I, usually in their second semester.

The only exception to this pattern is the science programs, which require additional science courses as the third course. Biology and chemistry majors take CHEM 1103-1104 General Chemistry I & II or CHEM 1107-1108 Principles of Chemistry I & II as their third



course. Physics and Engineering majors take PHYS 1701-1702 General Physics I & II or PHYS 1705-1706 Principles of Physics I & II. Computer Science majors take PHIL 1204 Symbolic Logic and CSAS 1111 Introduction to Computer Science as their third course.

#### **COURSE IV**

The fourth course is taken to fulfill some of the core curriculum requirements of the college or school the student intends to major in.

Students intending to major in programs of the College of Arts and Sciences will normally take two semesters of foreign language as their fourth course. Since the College requires completion of the intermediate level of language, students normally take the highest level they can manage in a foreign language they studied in high school, as determined by the language placement test administered by the Department of Modern Languages. As an alternative, they may begin study of a different foreign language at this point.

Biology majors and chemistry majors with a pre-medical program take BIOL 1201-1202 as their fourth course if they are also taking calculus. Biology and pre-med students who are placed into mathematics courses lower than calculus postpone BIOL 1207 until their sophomore year.

Students who are planning to major in a degree program of the W. Paul Stillman School of Business take two of the philosophy and management information systems courses required by the School as their fourth courses. These courses are normally PHIL 1104 Logic and BMIS 2701 Introduction to Management Information Systems.

Students who are planning to major in nursing take either PHIL 1104 Logic, PHIL 1105 Ethics, RELS 1500 The Religious Dimension of Life, or a history course as the fourth course in the Fall Semester, and BIOL 1102 Human Anatomy and Physiology I as the fourth course in the Spring Semester.

Students who are planning to major in education take a history course in the first semester and an art or art history course in the second semester as their fourth course.

#### **COURSE V**

The fifth course is normally either an introductory course in the intended major, or another pair of courses to fulfill core curriculum requirements of the college or school.

For students who are in the Honors Program, the Honors Colloquia also serve as the fifth course, since these colloquia are six-credit courses. With the mentor's permission, Honors Program students may, if they wish, take an additional course to bring their total course load up to 18 credits. Science majors taking three four-credit mathematics and science courses along with English also do not take a fifth course.

Students in the College of Arts and Sciences take as their fifth course either an introductory course in their intended major or courses chosen to fulfill another core curriculum requirement such as COST 1600 Oral Communication, PHIL 1101 Introduction to Philosophy, RELS 1500 The Religious Dimension of Life, or one of the following pairs of core requirement courses:

ARTH 1101 Art of the Western World and MUHI 1102 Music and Civilization

HIST 1201-1202 Western Civilization I & II

PHIL 1102-1103 Classical and Medieval Roots of Western Philosophy and Philosophy and the Modern Mind

ARTH 1107 American Art and MUHI 1108 Music of America

HIST 1301-1302 American History I & II

HIST 1401-1402 History of Latin America I & II

HIST 1501-1502 History of African Civilization I & II

IDIS 1101-1102 Traditional Cultures of the Non-Western World I & II

Communication majors take COST 1600 as the fifth course in the first semester, and COTC 1131 Mass Communication in the Spring Semester.

Students intending to major in political science take POLS 1211 American Politics as the fifth course in their first semester, and COST 1600 Oral Communication in the second semester.

Students who are planning to major in a program of the W. Paul Stillman

School of Business take as their fifth courses COST 1600 Oral Communication and ECON 1402 Principles of Economics I.

Students who are planning to major in nursing must take CHEM 1011 Preparatory College Chemistry in the Fall Semester if the Department of Chemistry determines that they are not ready for CHEM 1101. Students planning to major in nursing take CHEM 1101 Elements of Chemistry I as their fifth course in the Spring Semester.

Students who plan to major in elementary education must take EDST 1201 Introduction to Teaching and EDST 1202 Psychology of Teaching as their fifth course; secondary education majors take EDST 1301 Educational Psychology and EDST 1502 History and Principles of Education as their fifth course.

This outline of the freshman academic program is not an absolute requirement, but is rather a description of the general pattern of freshman academic programs. The details of an individual's program are always worked out with the faculty mentor, often with the advice of faculty members in specific departments and other counselors. Specific course choices also take other factors into account, such as the student's own abilities, preferences and interests, and the availability of courses at times suitable to the student's personal schedule. It should be noted also that the major program in Health Education, Physical Education and Recreation does not quite fit into the pattern listed above because of the specific requirements of this major. Students interested in this program should consult the appropriate section of this *Bulletin*.



# COLLEGE OF ARTS AND SCIENCES

**Dean:** Jerry A. Hirsch  
**Associate Dean:** John J. Mitchell Jr.  
**Associate Dean:** Frank F. Katz  
**Director of Academic Advising:**  
David Bossman

## Departments and Chairpersons

**African-American Studies:** Lez  
Edmund  
**Art and Music:** Jeanette T. Hile  
**Asian Studies:** Barry B. Blakeley  
**Biology:** Roberta Moldow  
**Chemistry:** Robert L. Augustine

**Classical Studies:** Rev. Eugene J. Cotter  
**Communication:** Donald J. McKenna  
**English:** Leigh Winsler  
**History:** Larry Greene  
**Mathematics and Computer Science:**  
Daniel J. Gross  
**Modern Languages:** Daniel Zalacain  
**Philosophy:** Gerard J. Dalcourt  
**Physics:** Harry A. Ashworth  
**Political Science:** Jo Renee Formicola  
**Psychology:** Jeffrey C. Levy  
**Religious Studies:** Donald H. Wimmer  
**Social Work:** Emma G. Quartaro  
**Sociology/Anthropology:** Joseph L.  
Palenski

**Programs and Special Studies**

**Archaeology:** Departments of Religious Studies, Sociology/Anthropology and Classical Studies: Donald H. Wimmer

**Economics:** David Bossman

**Gerontology:** Emma G. Quartaro

**Honors:** Judith C. Stark

**Soviet and East European Studies:** William L. Mathes

The College of Arts and Sciences offers programs of study leading to the degrees Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Master of Public Administration and Doctor of Philosophy.

The degree Bachelor of Arts is offered with major programs of study in African-American studies, art and music, Asian studies, classical languages, criminal justice, communication, economics, English, French, history, Italian, modern languages, philosophy, political science, psychology, religious studies, social work, sociology and Spanish.

The degree Bachelor of Science is offered with major programs of study in biology, chemistry, computer science, mathematics and physics.

Other areas of instruction are included under the special headings such as Honors Program, Gerontology and Soviet and East European Studies Program. Special Program Information begins on page 155. From time to time the College offers special courses unattached to any particular department. They are by nature occasional, interdisciplinary, experimental, and allow for a variety of interests and initiatives.

The undergraduate program is based on the general requirements to which students, guided by a faculty adviser, add courses required in their major field and free electives.

**College Degree Requirements**

To attain the degree of Bachelor of Arts or Bachelor of Science in the College of Arts and Sciences, students must satisfactorily complete the core curriculum requirements of the College, the requirements of their major fields and a

sufficient number of electives to total a minimum of 130 credits. Grades received must be such that at the completion of work for the degree each student will have a cumulative grade point average of at least 2.0. A grade point average of 2.0 also must be maintained in the major field.

All students are assigned a faculty adviser from the department or program in which they are enrolled who will assist in planning a four-year program.

**The Core Curriculum of the College of Arts and Sciences**

The following core curriculum is the basis of the education of all students in the College of Arts and Sciences who enter the University in the fall semester of 1984 or later. This statement of the core curriculum begins with a discussion of the aims of a college education, and proceeds to a listing of the various elements of the core requirements. These requirements, integrated into each student's departmental major requirements and a number of free elective courses to a total of 130 credits, constitute the four-year framework of the education offered by the College of Arts and Sciences.

An effective core curriculum is based on a set of educational goals which set out the faculty's understanding of the University's mission as a Catholic institution of higher learning at this time in its history:

1. The University should develop in students the critical intelligence, which is primarily but not exclusively a matter of intellect. It includes the ability to wonder, inquire, discern, distinguish, judge and grasp issues and see relationships.
2. The University should promote the capacity to live in context, in community. This is to have a sense of history, of roots and to participate in the building of community during a time of change in an interdependent world that is, paradoxically, endangered by fragmentation.
3. The University should develop communication skills and personal growth

in the ability to articulate ideas and to receive them critically. Students should be able to read, write, speak and listen effectively.

4. The University should promote an understanding of the methods of the sciences and the humanities and an ability to confront the gap between them, as well as an understanding of its historical and philosophical origins.

5. The University should develop an appreciation of beauty and of human work as they contribute to making life more humanly productive and creative.

6. The University should assist in the development of a vision of human life

and its meaning, and an understanding of the values and grounds of values which shape it.

7. The University should develop in students, in addition to this broad liberal education, a specific competence in a particular academic discipline or area of study.

For these purposes, the following core curriculum of requirements for every student in the College of Arts and Sciences has been established.

A course taken to fulfill one core requirement may not be used to fulfill another requirement.

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### The Core Curriculum

The following are the requirements for the core curriculum of the College of Arts and Sciences and courses and examinations which fulfill these requirements.

A) All students must demonstrate college level competence in the English language. Remedial courses do not count for graduation credit.

ENGL 1201-1202 College English I & II or English department procedure  
0-6 credits

B) All students must demonstrate competence in spoken communication.

COST 1600 Oral Communication or communication department procedure

0-3 credits

C) All students must demonstrate competence in college-level mathematics. Remedial courses do not count for graduation credit.

MATH 1101 Statistical Concepts and Methods, MATH 1201 Mathematical Models in the Social Sciences, MATH 1301 Calculus for Business and Economics Students I, MATH 1302 Calculus for Liberal Arts Students I, MATH 1401 Calculus I, MATH 1501 Calculus I or mathematics department examination procedure

0-3 credits, plus prerequisite courses, if necessary

D 1) All students must complete at least two 3 credit courses in the natural sciences: biology, physics and chemistry.

BIOL 1101 Introduction to Biology, BIOL 1102 Human Anatomy and Physiology I, BIOL 1103 Human Anatomy and Physiology II, BIOL 1105 Human Structure & Function I, BIOL 1106 Human Structure & Function II, BIOL 1201 General Biology/Organisms, BIOL 1202 General Biology/Cell, CHEM 1001 Chemistry and the World Around Us, CHEM 1101 Elements of Chemistry I, CHEM 1102 Elements of Chemistry II, CHEM 1103 General Chemistry I, CHEM 1104 General Chemistry II, CHEM 1107 Principles of Chemistry I, CHEM 1108 Principles of Chemistry II, PHYS 1001 Introduction to Physical Science, PHYS 1007 Introduction to Astronomy, PHYS 1601 Introductory Physics I, PHYS 1602 Introductory Physics II, PHYS 1701 General Physics I, PHYS 1702 General Physics II, PHYS 1705 Principles of Physics I, PHYS 1706 Principles of Physics II, \*PHYS 1811 Physics Laboratory I, \*PHYS 1812 Physics Laboratory II, \*PHYS 1815 Physics Laboratory and Data Analysis I  
\*Laboratory courses must be taken in conjunction with the appropriate lecture courses.

6 credits

D 2) All students must complete at least two 3 credit courses in the behavioral sciences: anthropology, archaeology, economics, political science, psychology, sociology and social work.

ANTH 1201 Physical Anthropology, ANTH 1202 Introduction to Cultural Anthropology, ARCH 1001 Archaeology for Liberal Arts, \*ECON 1402 Principles of Economics I, \*ECON 1403 Principles of Economics II, ECON 1411 Introduction to Economics, POLS 1001 Introduction to Political Science, POLS 1401 Classics of Political Thought: From Plato to Rousseau, PSYC 1101 Introduction to Psychology, PSYC 1105 Principles of Psychology I, PSYC 1106 Principles of Psychology II, SOCI 1101 Principles of Sociology, SOCI 2601 Social Problems, SOCI 2701 Social Change, SOWK 2401 Social Welfare/International

6 credits

\*BOTH ECON 1402 and 1403 must be taken to fulfill three credits of this requirement.

E 1) All students are required to take 12 to 18 credits in culture and civilization courses distributed as follows:

—a 6 credit sequence of courses in the study of Western civilization.

E 2) a 6 credit sequence in a foreign language, taken in one of the following ways:

—by completion of a two-semester foreign language course at the intermediate or advanced level

or—by achievement of exemption through satisfactory performance on a foreign language examination at the intermediate level Departmental examinations.

3) a 6 credit sequence of courses in one of the following:

—the study of American Civilization

—the study of Third World Civilizations

—the study of foreign literature or language, taken in one of the following ways:

ARTH 1101-MUHI 1102 Art of the Western World/Music and Civilization, ENGL 2101-2102 Great Books of the Western World I & II, HISTORY 1201-1202 Western Civilization I & II, PHIL 1102-1103 Philosophy and the Classical Mind/Philosophy and the Modern Mind

CHIN 2101-2102 Intermediate Chinese I & II, FREN 1101-1102 Intermediate French I & II, GERM 1101-1102 Intermediate German I & II, GREK 2205-2206 Intermediate Greek I & II, GREK 2207-2208 New Testament I & II, ITAL 1101-1102 Intermediate Italian I & II, JAPN 2101-2102 Intermediate Japanese I & II, LATN 2101-2102 Intermediate Latin I & II, RUSS 1101-1102 Intermediate Russian I & II, SPAN 1101-1102 Intermediate Spanish I & II, SPAN 2401-2402 Hispanics I & II Departmental examination in Latin, French, German, Italian or Spanish

0-6 credits

ARTH 1107-MUHI 1108 American Art/Music of America, ENGL 2102-2104 American Literature I & II, HIST 1301-1302 American History I & II

AFAM 1201-1202 History of African Civilization I & II, ASIA 3102-3103 History of Traditional Asia/Modern Asia, HIST 1401-1402 History of Latin America I & II, HIST 1501-1502 History of African Civilization I & II, HIST 1601-1602 History of Traditional Asia/Modern Asia, IDIS 1101-1102 Traditional Cultures of the Non-Western World I & II

a. by completion of a two-semester foreign literature course taught in the foreign language.

FREN 3301-3302 Introduction to French Literature I & II, GERM 2301-2302 Goethe I & II, GERM 2303-2304 Classical German Literature I & II, GERM 2305-2306 Modern German Literature I & II, GERM 2307-2308 20th Century German Literature I & II, ITAL 2301-2302 Classical Italian Literature I & II, ITAL 2303-2304 Modern Italian Literature I & II

b. by completion of a two-semester foreign literature course taught in translation.

ASIA 2101-2102 Asian Literature in English Translation I & II, CLAS 2301-2302 The Classical Epic/Greek and Roman Drama, CLAS 2302-2304 Politicians in Antiquity/Historians of Greece and Rome, ENGL 2401-2402 Classical Russian Literature/Contemporary Russian Literature, ENGL 3608-3609 Asian Literature in English Translation I & II

c. by completion of a two-semester foreign language course at the next higher level to that completed under E 2.

CHIN 3101-3102 Advanced Chinese Conversation I & II, FREN 2101-2102 Conversational French I & II, FREN 2103-2104 French Composition I & II, GERM 2101-2102 Conversational German I & II, ITAL 2101-2102 Conversational Italian I & II, SPAN 2101-2102 Intermediate Spanish Conversation/Applied Spanish Conversation

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6 credits

F. All students must complete one 3 credit course dealing with ethical questions viewed in the perspective of the Judaeo-Christian tradition.

PHIL 1105 Ethics, RELS 1502 Contemporary Moral Values, RELS 1503 Christian Ethics

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3 credits

G. All students must complete three 3 credit courses in philosophy and religious studies, with a minimum of one 3 credit course in philosophy and one 3 credit course in religious studies.

ASIA 3101 History of Asian Religious Reflections, PHIL 1101 Introduction to Philosophy, PHIL 1104 Logic, PHIL 1204 Symbolic Logic, RELS 1102 Introduction to the Bible, RELS 1202 Christian Belief and Thought, RELS 1302 Introduction to Catholic Theology, RELS 1402 World Religions, RELS 1500 The Religious Dimension of Life

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9 credits

Courses in the core curriculum which are linked by a hyphen (ARTH 1101-MUHI 1102) must **both** be taken in order to fulfill the requirement. These courses should be taken in the order listed.



## Academic Advising

Students who have declared their majors are assigned a faculty member from their departments to help them choose educational objectives commensurate with their interests and abilities, choose courses and the sequence of courses, and to inform them of the policies, programs and procedures of the University and the ranges of services and opportunities available.

For students who are undecided about their major, the College maintains an Office of Academic Advising. This office is responsible for coordinating all academic advising for undeclared students, assigning advisers, coordinating the registration process and seeing that there is a follow-up after the registration period, providing continuity for undeclared students until they decide on a major, and making referrals to other University offices (admissions, orientation, student development).

It is the responsibility of each student to know and meet graduation and other requirements and to make every reasonable effort to obtain adequate academic advising.

## Pre-Medical and Pre-Dental Advisory Committee

Admission to medical or dental school is a selective matter decided by the admissions committees of the various professional schools on the basis of scholarship, character and general fitness.

Although the majority of professional schools prefer applicants with a Bachelor of Arts or Bachelor of Science degree, occasionally an exceptional student is admitted after completion of three full years of college work. Traditionally, pre-medical and pre-dental students selected an area of science for concentration. Today, however, medical and dental schools encourage applicants to select major fields of concentration that reflect their interests and require some depth of learning in a given discipline.

While there is some variation of practice, most professional schools require

the following undergraduate studies: two years of chemistry, one year of biology, one year of physics and one year of English. Mathematics is becoming increasingly important. Normally medical and dental schools require an aptitude examination (Medical College Admission Test or Dental Aptitude Examination) usually administered in May of prospective students' junior year in college.

Seton Hall University provides a pre-professional advisory committee to assist students interested in careers in medicine, dentistry and osteopathy in planning their programs and ultimately selecting a professional school. Students are urged to consult with the pre-professional committee before initial registration, and to secure a copy of *Medical School Admission Requirements*, published by the Association of American Medical Colleges, or *Admission Requirements of American Dental Schools*, published by the American Association of Dental Schools. These handbooks are available through the AAMC and ADA.

The College also participates in a joint early admission program with the Pennsylvania College of Optometry. Interested students should contact the chief health professions adviser for details of this program.

## Pre-Law Advising

Admission to law school is highly competitive. The selection of applicants for admission rests with the admissions committees of the various law schools and is generally based on an acceptable level of performance at the undergraduate level, an acceptable score on the Law School Admissions Test (LSAT) and other criteria which may be set by the individual institutions.

There are no mandatory requirements for specific courses or majors that must be taken in preparation for entrance into law school; students from a wide variety of undergraduate major programs are regularly accepted by the various schools. Prospective law students most commonly major in such disciplines as political science, history, English and accounting, but admission

to law school has often been granted to students who have majored in other areas.

Of far more importance to the prospective law student than the choice of major or of specific courses is attention to the development of skills in the expression and comprehension of the English language and to the cultivation of the ability to think creatively and critically, with thoroughness and intellectual curiosity. As noted in the *Pre-Law Handbook*, the official guide to ABA-approved law schools, the development of these capacities "is not the monopoly of any one subject-matter area, department or division."

Students interested in pursuing a career in law should work closely with the University's pre-law adviser.

## Cooperative Education

This optional program, available to students in the College of Arts and Sciences, integrates classroom study with specific planned periods of supervised learning through productive work experience. Students must have completed 60 credits before taking their first co-op course, maintain a 2.8 GPA and receive the approval of the co-op faculty adviser in their major area of study. Co-op assignments start in September, January or May. Co-op students are not required to complete all 9 credits. Credits earned through co-op are considered general elective credits.

Courses in the Cooperative Education program include:

**Cooperative Education I**—Introductory experience in cooperative education. Assignment will be made in entry-level position of employment. The course is taken only with the permission of the student's co-op faculty adviser. Prerequisite: junior standing. 3 credits.

**Cooperative Education II**—A second assignment with the following alternatives: higher-level positions, and/or increased responsibilities, with the same or a different employer. The course is taken only with the permission of the student's co-op faculty adviser. Prerequisites: junior standing and completion of Co-op I. 3 credits.

**Cooperative Education III**—This course is specifically oriented to the academic major with recognition of career objectives. It is taken only with the permission of the co-op faculty adviser. Prerequisites: Junior standing and completion of Co-op I and II. 3 credits.

## Course Identification

The course numbering system used throughout the University is described on page 20. The abbreviations used to designate courses of the departments and special areas of instruction of the College of Arts and Sciences are as follows:

- Department of African-American Studies (AFAM)
- Department of Archaeology (ARCH)
- Department of Art and Music (AART, ARTH, MUAP, MUHI, MUTH)
- Department of Asian Studies (ASIA, CHIN, JAPN)
- Department of Biology (BIOL)
- Department of Chemistry (CHEM)
- Department of Classical Studies (CLAS, LATN, GREK)
- Department of Communication (COBF, COGR, COJR, COPA, COST, COTC)
- Major Program in Computer Science (CSAS)
- Major Program in Criminal Justice (CRIM)
- Major Program in Economics (ECON)
- Department of English (ENGL)
- Department of History (HIST)
- Honors Program (HONS)
- Interdisciplinary Courses (IDIS)
- Department of Mathematics (MATH)
- Department of Modern Languages (FREN, GERM, ITAL, RUSS, SPAN)
- Department of Philosophy (PHIL)
- Department of Physics (PHYS, ERTH)
- Department of Political Science (POLS, GEOG)
- Department of Psychology (PSYC)
- Department of Religious Studies (RELS)
- Department of Social Work (SOWK)
- Department of Sociology and Anthropology (SOCL, ANTH, CRIM)

# DEPARTMENT OF AFRICAN- AMERICAN STUDIES

**Associate Professor:** Greene

**Assistant Professors:** Auguste; Caulker;  
Edmond (*Chairperson*); Sales, Jr.

The Department of African-American Studies offers programs leading to the degree of Bachelor of Arts.

The Bachelor of Arts with a major in African-American studies is an interdisciplinary program of studies in the social and behavioral sciences, mathematics and the humanities, with practical field experiences applied to the special needs of the black community. It is grounded in developing in students a broad background and understanding of all aspects of black culture and history, forms of expression and application as well as knowledge of other cultures. Students develop skills in policy analysis, scientific social and cultural research, and formulation of community development and improvement proposals.

Depending on their preference, graduates are prepared to work in social and educational institutions and agencies, government, business or the arts, libraries, museums, communications and other related areas. Graduates are fully prepared to take advantage of graduate training in black studies, the social and behavioral sciences, the arts, humanities and the professions.

The Department of African-American Studies encourages serious scholarship committed to social change and obtaining human rights. Through the study of the unique history, society and life of black people, the department encourages active participation in the struggle for social justice and freedom for black people and thus for all peoples.

## Major Program

To attain the Bachelor of Arts degree, students must complete the core curriculum of the College, the major requirements, and enough free electives to total 130 credits. Upon completion of work for the degree students will have a cumulative quality unit average of at least 2.0. Each student will be assigned a faculty adviser who will assist in planning a four-year program.

## Department Requirements

Level I		Credits
AFAM 1111	Introduction to African-American Studies	3
AFAM 1517	Research Methods	3
<b>Level II</b>		
AFAM 1201-02	History of African Civilization I & II	6
AFAM 1213-14	African-American History I & II	6
AFAM 2412	Modern African-American Literature	3
<i>Select one course from the following:</i>		
AFAM 2314	Psychology of the Black Experience	3
AFAM 2317	The Black Man & Woman	3
AFAM 2318	The Black Family	3
AFAM 2417	The Black Church	3
<i>Select one course from the following:</i>		
AFAM 2411	Early Afro-American Literature	3
AFAM 2414	Afro-American Music	3
AFAM 2416	African Cultural Philosophy	3
<b>Level III</b>		
<i>Select one course from the following:</i>		
AFAM 2212	History of the Civil Rights Movement	3

*(The following four courses are offered once every four semesters)*

AFAM 2216	History of West Africa	3
AFAM 2217	History of East & Central Africa	3
AFAM 2218	History of Southern Africa	3
AFAM 2219	History of North Africa	3

*Select one course from the following:*

AFAM 2311	Public Institutions vs. Black Self-Determination	3
AFAM 2313	Urban Black Politics	3
AFAM 2325	Political Economy of Racism	3
AFAM 2329	Racism in Education	3

*Select one course from the following:*

AFAM 2330	Mass Media & Minorities	3
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*(The following three courses are offered once every three semesters)*

AFAM 2413	Literature/Harlem Renaissance	3
AFAM 2418	Contemporary African Literature	3
AFAM 2420	Major Figures/African Literature	3

**Level IV**

AFAM 5511	Senior Seminar	3
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**Electives**

*Two electives from the offerings of the AFAM Department 6* —  
45

**Minor or Concentration in African-American Studies**

AFAM 1111	Introduction to African-American Studies	3
AFAM 1201-02	History of African Civilization I & II	6
AFAM 1213-14	African-American History I & II	6

*Electives within department offerings in the following areas:*

Social & Behavioral Science	3
Culture	3
	21

## Course Descriptions

**AFAM 1111 (BL 201) INTRODUCTION TO AFRICAN-AMERICAN STUDIES**

Origins of black people. African civilization in the Western hemisphere. Folklore, mythology and customs. Rise of black nationalism. Role of black consciousness. Present-day alternatives. 3 credits

**AFAM 1121-1128 (BL 75-76) (MUAP 1121-1128) GOSPEL CHOIR**

From ideas to performance, using various musical forms drawn from traditional black music. 3 credits

**AFAM 1201-1202 (BL 209-210) (HIST 1501-1502) HISTORY OF AFRICAN CIVILIZATION I & II**

**Part I:** Emphasizes independent developments in African civilization and the impact those developments have had on human progress. 3 credits

**Part II:** Study of the traditional peoples and cultures; survey of contacts between Africa and the outside world with emphasis on colonialism, decolonization, and the independence era. 3 credits

**AFAM 1213 (BL 211) (HIST 2375) AFRO-AMERICAN HISTORY I**

Interaction between black and white society in the United States and the nature of black society and culture to 1865. 3 credits

**AFAM 1214 (BL 223) (HIST 1213) AFRO-AMERICAN HISTORY II**

Continuation of AFAM 1213 from 1865 to post World War II. 3 credits

**AFAM 1411 (BL 166) PERFORMING ARTS**

From ideas to actual performances using music, dance and drama with student participation. 3 credits

**AFAM 1412-1413 (BL 169-170) MODERN DANCE I & II**

Performance course based on the use of space, sense of rhythm, positions and sequence of movements, and general aesthetics associated with the black experience in dance. 3 credits

**AFAM 1511 (BL 73) BASIC RESEARCH AND WRITING**

Developmental approach to learning how to write. Writing techniques and exercises drawn from creative sources to motivate students to be better writers. 3 credits

**AFAM 1512 (BL 74) INTERMEDIATE RESEARCH AND WRITING**

Extensive application of the principles of research and writing to areas of problem solving within the context of various disciplines. Writing formats include the exploration of scientific writing and technical reports. Problems analyzed include affirmative action, deeds

assessment, demographic analysis, introduction to operations research. Introduction to computer-based data analysis. 3 credits

**AFAM 1517 (POLS 1075) RESEARCH METHODS**

For description see POLS 3310 on page 128. 3 credits

**AFAM 1518 (BL 117) (SOWK 1314) SOCIAL WORK AND THE LAW**

Examines the advocacy role of the professional worker through study of American public policy and the problems of populations at risk. Focuses on cases and materials in law applicable to children, the aged and the physically and mentally disabled. Alternatives in housing, medical care and legal services. 3 credits

**AFAM 2211 (BL 257) PUERTO RICANS & THE MAINLAND**

Overview of the Puerto Rican presence and experience in the continental U.S. combining social, cultural and historical elements. Primary emphasis is given to a comparative analysis of the dynamics and the unique manifestation of the Puerto Rican presence in the U.S. and its relationship to its Caribbean origin. 3 credits

**AFAM 2212 (BL 116) HISTORY OF THE CIVIL RIGHTS MOVEMENT**

Review of major events and campaigns. The decade 1955-65 represents the temporal focus of the course, but the movement's 20th century antecedents and the period between 1965-68 are discussed; the period within which the movement was broadened in international perspective and transformed into a struggle for human rights. Goals and objectives of the struggle and the movement's impact on American society are identified and evaluated. 3 credits

**AFAM 2213 (BL 222) HISTORY OF BLACK NATIONALISM**

Examines the writings, philosophies and accomplishments of the proponents of black nationalism, beginning with David Walker and continuing to Edward Blyden, Campbell, B.T. Washington, Garvey, DuBois, Hon. E. Muhammad, Karenga, Baraka and others. 3 credits

**AFAM 2214 (BL 237) HISTORY OF BLACK EDUCATION**

History of black education from its origins in Timbuktu, Egypt and Ethiopia. Impact on Western civilization. Black colleges and universities; the black student on the white campus. The black scholar and the community; contributions of black scholars to general knowledge. The myth of black intellectual inferiority. Role of education in American society; educational innovation and improvement. Proposes models for urban education and its institutions, community involvement and community control. Preschool programs. Liberation schools. 3 credits

**AFAM 2215 (BL 255) CARIBBEAN EXPERIENCE**

Focal points of elements and issues in everyday lives of Caribbean people. Selected readings and brief reports, taped materials and guest lecturers. 3 credits

**AFAM 2216 (BL 263) (HIST 2552) HISTORY OF WESTERN AFRICA**

In-depth study of the primary forces that have shaped the political, cultural and social development of the area. 3 credits

**AFAM 2217 (BL 264) (HIST 2553) HISTORY OF EAST & CENTRAL AFRICA**

In-depth study of both the internal and external factors that have helped to shape the history of the area. 3 credits

**AFAM 2218 (BL 265) (HIST 2551) HISTORY OF SOUTHERN AFRICA**

In-depth study of the historical development of African and European societies in Southern Africa. Special emphasis on the beginnings and growth of white settlements and the evolution and de jure institutionalization of apartheid. 3 credits

**AFAM 2219 (BL 266) (HIST 2554) HISTORY OF NORTH AFRICA**

Topics in North African History—pre-Arab era; Arabization and Islamization; Ottoman rule; North Africa since the Napoleonic invasion. 3 credits

**AFAM 2326 (BL 247) PROBLEMS OF AFRICAN ECONOMIC DEVELOPMENT**

Materialist analysis of problems associated with underdevelopment in Africa. Origin and evolution of the "anatomy" of underdevelopment through the concept of "structured dependence." Investigation of trade, colonialization, foreign ownership of means of production and dependence on the world market. Examination of alternative development strategies, including socialist planning. 3 credits

**AFAM 2327 (BL 262) ORGANIZING THE INNER CITY**

Methods of organizing black communities to alter the responsiveness of institutions, assume control of them, or replace them. Heavy emphasis on the theories of power, politics and community control along with practical examples. 3 credits

**AFAM 2328 (BL 276) MINORITY AGING**

Examination of the "cultural difference" in the process of aging and its influence on resultant behavior patterns. Emphasis on comparison of traditional theories of aging with new data produced from an analysis of the "ethnic" variable. Topics include historical perspectives, demography, research methodology, theoretical orientations, social intervention, socio-economic living circumstances. 3 credits

**AFAM 2329 (BL 285) RACISM IN EDUCATION**

Racist content for American education from the Revolutionary War to the present. Compulsory mis-education. Exploration of how to re-educate the educators. 3 credits

**AFAM 2330 (BL 296) MASS MEDIA AND MINORITIES**

Study of mass media from a black perspective. Covers a broad outline of the history of media and its developments, paralleling black media and white media and the impact each has had on the other and the institutions of our society. 3 credits

**AFAM 2331 (BL 218) PEOPLE AND CULTURES OF AFRICA**

Social and material cultures of Africa through time, emphasizing the unity and diversity of the continent and its people. 3 credits

**AFAM 2333 (BL 287) THE BLACK CHILD**

Critical investigation of factors that condition and determine the physical, mental, emotional and spiritual development of the black child. Topics include family and community life, education and self-awareness. 3 credits

**AFAM 2411 (BL 200) (ENGL 2613) EARLY AFRO-AMERICAN LITERATURE**

Survey of the major developments in black literature since the 19th century. Literature in view of social, political and cultural movements of Afro-Americans. Comparisons with some works of Africans throughout the diaspora. 3 credits

**AFAM 2412 (BL 205) (ENGL 2614) MODERN AFRO-AMERICAN LITERATURE**

Black writings involved with social protest and as an outgrowth of social change. The black writer as an outgrowth of social change, and as a "mover," directing himself to his own community. Richard Wright to Imamu Baraka and contemporary "neo-African" and pan-African writers. 3 credits

**AFAM 2413 (BL 163) (ENGL 2617) LITERATURE OF THE HARLEM RENAISSANCE**

Harlem Renaissance (1920-40): the emergence of the "New Negro" and the impact of this concept on black literature, art and music. Literary movements shaped by Claude McKay, Countee Cullen, Langston Hughes and Joan Toomer compared to American writers of the "lost generation." Special emphasis on new themes and forms developed by the Harlem Renaissance writers. 3 credits

**AFAM 2414 (BL 206) AFRO-AMERICAN EXPERIENCE IN MUSIC**

Performance/seminar/discussion format analyzing black music from the historical perspective and as a unique vehicle for cultural expression and human communication, and as a basis for understanding the social and psychological development of the Afro-American. Requirements include concert attendance and listening assignments. 3 credits

**AFAM 2415 (BL 219) AFRICAN RELIGIONS**

Explores the complex nature of the African system of thought concerning God, man, animate and inanimate things, and the meaning of religious experience in African society. The effect of Christianity and Islam on African religious thought. 3 credits

**AFAM 2416 (BL 220) BLACK CULTURAL PHILOSOPHY**

Black thought and its impact on the world from ancient Africa through contemporary societies. 3 credits

**AFAM 2417 (BL 227) (RELS 2412) THE BLACK CHURCH**

The black church as a strong social, educational and economic institution in the black community—from slavery until modern times. 3 credits

**AFAM 2418 (BL 199) (ENGL 2616) CONTEMPORARY AFRICAN LITERATURE**

Introduction to some of the major African novelists and poets, such as Chinua Achebe, Camara Laye and Denis Brutus. Identification of recurring theme and comparisons of various writers' attitudes toward the themes. 3 credits

**AFAM 2221 (BL 212) PRE-COLONIAL AFRICA**

Exploration of the major intellectual, philosophical, religious, political, social, cultural and historical currents in the development of Africa from prehistory to c. 1800. 3 credits

**AFAM 2222 (BL 268) (HIST 2561) TWENTIETH CENTURY AFRICA**

Evolution of Africa from dependent colonial status to sovereign states in the international political arena, and the role and impact of these states on world global politics. 3 credits

**AFAM 2311 (BL 204) PUBLIC INSTITUTIONS VS. BLACK SELF-DETERMINATION**

Critical examination of the origins and functions of public institutions and their effect on the black community. Methods used by professionals and non-professionals to promote agencies that are more responsive and responsible. 3 credits

**AFAM 2312 (BL 214) (POLS 2615) AFRICAN POLITICAL INSTITUTIONS**

An African-centered political system course. The salient variables—economic, social and political involved with discussion of specific experiences. Examination of traditional background, colonial experience, and post-independence era. 3 credits

**AFAM 2313 (BL 217) URBAN BLACK POLITICS**

Analytical study of the impact of black participation in American political institutions and their responsiveness to the political demands of the black community. 3 credits

**AFAM 2314 (BL 230) PSYCHOLOGY OF THE BLACK EXPERIENCE**

Contemporary psychology and white racism. Consequences of being black. Strengths of the black community. Alternative psychological models. 3 credits

**AFAM 2317 (BL 127) THE BLACK MAN AND WOMAN**

Analysis of historical and sociological perspectives of the black man and woman as separate entities and as partners. Primary focus on the African-American experience. Myths and misconceptions. Contemporary issues: projects for the future. 3 credits

**AFAM 2318 (BL 129) THE BLACK FAMILY**

The black family in America. Effects of slavery in Africa and the United States. Urban and rural America. Effect of socio-economic levels. 3 credits

**AFAM 2319 (BL 213) AMERICAN FOREIGN POLICY IN AFRICA**

Historical development of American foreign policy in Africa. Analysis of the institutions and political and economic forces that shaped policy toward African countries and Africa's response to American foreign policy. 3 credits

**AFAM 2321 (BL 232) COMMUNITY MENTAL HEALTH**

Indices of mental health as defined in terms of the unique community. The role of the professional and nonprofessional in developing viable alternatives. Crises intervention, sensitivity training, and community control as mechanisms for fostering community mental health. 3 credits

**AFAM 2322 (BL 235) TEACHING THE BLACK EXPERIENCE**

Focuses on the methods of teaching the salient facts of the black experience to primary school children. Includes field visits and classroom observations in innercity traditional and alternative schools. 3 credits

**AFAM 2325 (BL 244) POLITICAL ECONOMY OF RACISM**

Analysis of the anatomy of contemporary racism in the U.S. Examination of the socio-economic structure, especially in the urban setting, as the dynamic creating and recreating institutional racism. 3 credits

**AFAM 2419 (BL 221) CULTS AND CULTISM**

Study in religion and culture; an analysis of the nature and manifestation of cults and the cultic experience. Effects of Western culture on folk societies; conflict between the world views of folk culture and Western ideas and technology. Effects of technology on the social and religious life of modern society. 3 credits

**AFAM 2420 (BL 291) (ENGL 2616) MAJOR FIGURES IN AFRO-AMERICAN LITERATURE**

In-depth study of major Afro-American literary figures, their lives and major works. 3 credits

**AFAM 3312 (BL 275) ADVANCED SEMINAR IN GERONTOLOGY; SPECIAL TOPICS**

For description, see page 159. 3 credits

**AFAM 3313 (BL 277) PRACTICAL ORIENTATION IN INNER-CITY NEIGHBORHOOD LIFE**

For advanced undergraduate and graduate students, an involvement with inner-city residents in researching neighborhood needs, demographic designs and collaborative problem solving. Problems, resources, city services and alternatives for change. Students assigned to groups in designated geographic areas, reflecting random samplings of socio-economic and political life. 6 credits

**AFAM 3314 (BL 286) PSYCHOLOGICAL TESTING AND THE BLACK CHILD**

General, philosophical, theoretical and practical aspects of Western psychological testing. Specific in-depth discussion to afford the opportunity to comprehend the historical impact of testing in various contexts on African-American children. Examination of alternatives to standardized testing of norm reference, culture-fair and culture-free procedures. 3 credits

**AFAM 3315 (BL 228) MARTIN LUTHER KING JR. HONORS SEMINAR**

Designed for Martin Luther King Jr. scholars. An exploration of the philosophical develop-

ment of Martin Luther King Jr. Study of theories of leadership through examination of the history of multi-cultural leaders in the 19th and 20th centuries. Seminar faculty assist students in development of a research paper relative to seminar topics. 3 credits

**AFAM 3316 (BL 295) SEMINAR/URBAN THIRD-WORLD PEOPLE**

Study of the tradition of protest thought that has developed in the last century and a half in response to overseas expansion of Europe. Major emphasis on social theory of African and African-American intellectuals such as Fanon, Nkrumah, Cabral, Malcolm X, Marcus Garvey, Martin Luther King Jr. and W.E.B. DuBois. 3 credits

**AFAM 3317 (BL 254) INSTITUTE IN AFRO-AMERICAN HISTORY AND CULTURE**

Intensive program of lectures, discussions, audiovisual presentations, readings and research assignments. Designed to increase familiarity with major themes and problems of Afro-American history and to examine the means into courses on the secondary level. 3 credits

**AFAM 3332 (BL 274) COMMUNITY RESEARCH INTERNSHIP AND SEMINAR**

Pragmatic community research, based on the assumption that the urban community understands its needs. Students learn specific skills, such as computer functioning and capability, census tract reading, data collection and compilation, report writing. Joint student-community and faculty projects. 6 credits

**AFAM 3390 (BL 278) INDEPENDENT STUDY**

Independent research under the supervision of the black studies faculty. Faculty assigned according to areas. 1 credit

**AFAM 3391 (BL 279) INDEPENDENT STUDY**

Independent research under the supervision of the black studies faculty. Faculty assigned according to areas. 2 credits

**AFAM 3393 (BL 281) INDEPENDENT STUDY**

Independent research under the supervision of the black studies faculty. Faculty assigned according to areas. 3 credits

**AFAM 5511 (BL 283) SENIOR SEMINAR**

Conducted by faculty members. Focuses on the synthesis of field experience and classroom study through preparation of a major research project. 3 credits

**AFAM 6211 (BL 382) HISTORY OF MODERN AFRICA**

Covers the time period from 1800 to present. Revolutionary era in the history of Africa because of internal development and external impingement—creation of informal empires by the European states and their formalization by century's end. 3 credits

**AFAM 6216 (BL 363) HISTORY OF WEST AFRICA**

In-depth study of the primary forces that have shaped the political, cultural and social development of the area. 3 credits

**AFAM 6312 (BL 377) SEMINAR IN GERONTOLOGY**

A sharing of perspectives from the different disciplines involved in the gerontology program through small group study, supplemented by discussion in the full seminar. Special topics such as collaboration of staff, community, and people served; security and safety; freedom of choice. 3 credits

**AFAM 6314 (BL 386) PSYCHOLOGICAL TESTING AND THE BLACK CHILD**

For description, see AFAM 3314 (BL 286) 3 credits

**AFAM 6317 (BL 354) INSTITUTE IN AFRO-AMERICAN HISTORY & CULTURE**

For description, see AFAM 3317 (BL 254) 3 credits

**AFAM 6328 (BL 378) MINORITY AGING**

For description, see AFAM 2328 (BL 276) 3 credits

**AFAM 6329 (BL 385) RACISM IN EDUCATION**

For description, see AFAM 2329 (BL 285) 3 credits

**AFAM 6330 (BL 396) MASS MEDIA AND MINORITIES**

For description, see AFAM 2330 (BL 296) 3 credits

**AFAM 6333 (BL 387) THE BLACK CHILD**

For description, see AFAM 2333 (BL 287) 3 credits

**AFAM 6416 (BL 320) BLACK CULTURAL PHILOSOPHY (PHIL 1251)**

Black thought and its impact on the world from ancient Africa through contemporary societies. 3 credits

**AFAM 6621 (BL 312) PRE-COLONIAL AFRICA**

For description, see AFAM 2221 (BL 212) 3 credits

## DEPARTMENT OF ART AND MUSIC

**Professor:** Chu (*Chairperson*)

**Associate Professors:** Cate; Chang; Kaufman

**Assistant Professors:** Bosch; Burns; Havas; Hile; Triano; Wenz (*Co-op Adviser*)

**Faculty Associate:** Rosenblum

The Department of Art and Music offers major programs in art and music leading to the Bachelor of Arts degree. The department, jointly with the College of Education and Human Services, offers courses of study leading to New

Jersey certification in art and music education. Students wishing to be certified in art or music education must consult with their advisers in their freshman year.

In addition to the four-year bachelor's degree programs, the department offers an 18-credit non-degree program leading to an "Art History Certificate."

In the field of art, students may opt for one of the four following concentrations:

- Art History
- Fine Arts
- Advertising Art
- Art Education

In the field of music, students have a choice of three different concentrations:

- Music History
- Applied Music: (A) Keyboard or (B) Voice
- Music Education

### Concentration Requirements

All programs are chosen in consultation with each student's adviser. Electives must be approved by the adviser. The requirements listed are the minimum and students may elect to take more credits in their majors.

Minor programs are available in Art History (18 credits), Fine Arts (18 credits), Advertising Art (20 credits), Music History (18 credits), Applied Music/Instrumental (18 credits) and Applied Music/Voice (20 credits). Contact the department chairperson or assistant chairperson for exact program requirements.



**ART HISTORY MAJOR**

ARTH 1101	Art of the Western World (freshman year)		3
ARTH 1111	Classical Art		3
ARTH 1113	Italian Art of the Renaissance		3
ARTH 1116	19th Century Art: From Neoclassicism to Impressionism		3
ARTH 1118	20th Century Art		3
ARTH	Art History Electives		<u>21</u>
		Total	36

**FINE ARTS MAJOR**

ARTH 1101	Art of the Western World (freshman year)		3
AART 1210	Fundamentals of Drawing (freshman year)		2
AART 1211-1214	Drawing & Painting	(minimum)	4
AART 1215-1216	Watercolor	(minimum)	2
ARTH 1118	20th Century Art		3
AART 1220	Art Materials and Techniques		3
AART 2220	Figure Drawing		3
AART 1224-1225	Introduction to Printmaking	(minimum)	3
AART 3163	Individual Studies in Art		3
ARTH	Art History Electives		6
ARTH	Fine Art Electives	(minimum)	<u>10</u>
		Total	42

**ADVERTISING ART CONCENTRATION**

Students wishing to receive a B.A. degree in Art with a concentration in Advertising Art are required to take **56 credits** in art- and advertising-related fields as specified below.

In addition, students **MUST** take the following college core sequences:

Western Civilization: ARTH 1101 Art of the Western World —	
MUHI 1102 Music and Civilization	6 credits
Non-western Civilization: ARTH 1107 American Art —	
MUHI 1108 Music of America	6 credits

**Required Courses:**

AART 1210	*Fundamentals of Drawing (freshman)		2
AART 1223	The Art of Design		3
AART 1311	Introduction to Advertising Art		3
AART 2311	Advanced Advertising Art		3
AART 2312	Computer Design in Advertising Art		3
AART 2230	**Illustration		3
AART 2231	Advertising Illustration		3
AART 3311	Advertising Production Lab		3
AART 4312	Advertising Art Portfolio (senior)		3
ARTH	Art History Elective		3
COGR 2322	***Introduction to Computer Graphics		3
COGR 2321	Print Production/Typography I		3
COGR 3321	Print Production/Typography II		3
AART	Advertising Art Electives	(minimum)	<u>18</u>
			56

\*AART 1210 is a prerequisite to AART 2210 or AART 2220

\*\*AART 2230 is a prerequisite to AART 2231

\*\*\*COGR 2322 is a prerequisite to AART 2312

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**ART EDUCATION CONCENTRATION**

ARTH 1101	Art of the Western World	3
MUHI 1102	Music & Civilization	3
AART	Fundamentals of Drawing	2
AART 1211-1214	Drawing & Painting	4
AART 1215-1216	Watercolor	2
AART 1219	Introduction to Sculpture	3
AART 1220	Art Materials and Techniques	3
AART 1224-1225	Introduction to Printmaking	3
AART 3161-3166	Independent Studies in Fine Arts	1-6
AART	Art History Electives	6
EDST 2505	Crafts: Creative Art Experience	3
AART 1223	The Art of Design	<u>3</u>
<b>Total</b>		<b>36</b>

**ART HISTORY CERTIFICATE**

ARTH 1101	Art of the Western World	3
ARTH 1107	American Art	3
ARTH	Art History Electives	<u>12</u>
<b>Total</b>		<b>18</b>

Art majors should consult with a departmental adviser before selecting elective courses. Some courses are recommended but not required.

**APPLIED MUSIC/VOICE/KEYBOARD/INSTRUMENTAL STUDY**

Students wishing to receive a degree in music with a concentration in applied music/voice/keyboard are required to complete **50 credits** as listed below. All students are required to take a placement exam in music theory. Theory and keyboard requirements may be waived based on individual achievement and proficiency.

	Credits	Total Credits
<b>Basic Requirements:</b>		
MUHI 1102      Music and Civilization	3	3
<b>Theory:</b>		
MUAP 1171      Sight Singing and Ear Training	2	14
MUTH 1111      Theory of Music I	3	
MUTH 2111      Theory of Music II	3	
MUTH 3111      Theory of Music III	3	
MUTH 4111      Theory of Music IV	3	
<b>Applied Music:</b>		
(A) 1. Primary Instrument		
MUAP 1131-36 or MUAP 1111-1116 or MUAP 2191-2198	8	18
2. MUAP 3181-3186 (Individual Studies)	10	
(B) Secondary Instrument		
MUAP 1131-1136 or MUAP 1111-1116 or MUAP 2191-2198	4	4
(C) Conducting		
MUAP 1181      Conducting Techniques	2	2
(D) Ensemble		
MUAP 1151-1158      Chorus	6	6
OR		
MUAP 1161-1168      Vocal Chamber		
OR		

MUAP 1141-1148 Band  
 OR  
 MUAP 1182-1189 Instrumental Chamber

**Music History Electives:**

MUHI 1114	(MU 124)	Music in the Baroque Era	3	
MUHI 1115	(MU 125)	Music in the Classical Era	3	3
MUHI 1117	(MU 127)	Music in the Romantic Era	3	
MUHI 1118	(MU 128)	Music in the Modern Era	3	
MUHI 1121	(MU 131)	Contemporary Music	3	
MUHI 1133	(MU 133)	Jazz, Rock and Cinema	3	
MUHI 1134	(MU 134)	Music of Broadway	3	
MUHI 1108	(MU 136)	Music of America	3	
			<b>Total</b>	<b>50</b>

**Additional Requirements:**

- a. All applied music majors shall show the state of their proficiency performing for a faculty jury at the end of each year.
- b. Each major shall present a formal recital during the Spring Semester of their senior year.
- c. All music students are required to attend concerts and other activities sponsored by the department and/or Arts Council.

**MUSIC EDUCATION CONCENTRATION**

Students wishing to receive a degree in music with a concentration in music education certified by the State of New Jersey (K-12), shall fulfill the certification requirements of the School of Education and credits as specified below. All students are required to take a placement test in music theory. Based on individual proficiency, theory and keyboard requirements may be waived.

**Music Component:**

		<b>Credits</b>	<b>Total Credits</b>
<b>Basic Requirements:</b>			
MUHI 1102	Music and Civilization	3	3
<b>Theory:</b>			
MUTH 1171	Sight Singing and Ear Training	2	
MUTH 1111	Theory of Music I	3	14
MUTH 2111	Theory of Music II	3	
MUTH 3111	Theory of Music III	3	
MUTH 4111	Theory of Music IV	3	
<b>Applied Music:</b>			
(A)	Primary Instrument		
	MUAP 1131-36 or MUAP 1191-1198	8	8
	or MUAP 1111-1116		
	MUAP 3181-86	1-4	4
(B)	Secondary Instrumental		
	(piano, voice or instrumental)	8	8
(C)	Ensemble		
	MUAP 1151-58 Chorus	1-8	6
	OR		
	MUAP 1161-68 Vocal Chamber Ens	1-8	
	OR		
	MUAP 1141-48 Band	1-8	
	OR		
	MUAP 1182-89 Instrumental Chamber	1-8	

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(D)	Conducting MUAP 1181	Conducting Techniques	2	2
(E)	Music History			
	MUHI 1114	(MU 124) Music in the Baroque Era	3	
	MUHI 1115	(MU 125) Music in the Classical Era	3	
	MUHI 1117	(MU 127) Music in the Romantic Era	3	6
	MUHI 1118	(MU 128) Music in the Modern Era	3	
	MUHI 1121	(MU 131) Contemporary Music	3	
	MUHI 1133	(MU 133) Jazz, Rock and Cinema	3	
	MUHI 1134	(MU 134) Music of Broadway	3	
	MUHI 1108	(MU 136) Music of America	3	
(F)	Private Instrumental Study MUAP 1191-98		1-8	3
(G)	Methods of Music		3	<u>3</u>
			Total	57

**MUSIC HISTORY CONCENTRATION**

Students wishing to receive a degree in music history are required to take **45 credits** in music as specified below. All students are required to take a placement test in music theory. Based on individual proficiency, theory and keyboard requirements may be waived. All music students are expected to attend concerts and other activities sponsored by the department and/or the Arts Council.

			Credits	Total Credits
<b>Basic Requirements:</b>				
MUHI 1102	(MU 2)	Music and Civilization	3	
MUHI 1110	(MU 20)	Introduction to Music	3	6
<b>Theory:</b>				
MUTH 1111	(MU 121)	Theory of Music I	3	
MUTH 2111		Theory of Music II	3	12
MUTH 3111		Theory of Music III	3	
MUTH 4111		Theory of Music IV	3	
<b>Applied Music:</b>				
MUAP 1111-1114	(MU 21-24)	Piano	2 each	
OR				
MUAP 1141-1144	(MU 41-44)	Organ	2 each	4
OR				
MUAP 1131-1134	(MU 31-34)	Voice Training and Singing	2 each	
<b>Ensemble:</b>				
MUAP 1151-1158	(MU 51-58)	Chorus	1 each	
OR				2
MUAP 1161-1168	(MU 61-68)	Vocal Chamber Ensemble	1 each	
<b>Music History</b>				
MUHI 1108	(MU 136)	Music of America	3	
MUHI 1113	(MU 123)	Symphonic Music	3	
MUHI 1114	(MU 124)	Music in the Baroque Era	3	
MUHI 1115	(MU 125)	Music in the Classical Era	3	
MUHI 1116	(MU 126)	The Art of Beethoven	3	
MUHI 1117	(MU 127)	Music in the Romantic Era	3	
MUHI 1118	(MU 128)	Music in the Modern Era	3	21
MUHI 1119	(MU 129)	History of Opera	3	
MUHI 1120	(MU 130)	Richard Wagner	3	

**ARTH 1141 (AR 249) ART & ANTIQUES: CARE & RESTORATION**

Introduction to art collecting and to conservation techniques using original works of art from the University's collection for illustration and examination. 3 credits

**ARTH 1151 (AR 250) ART COLLECTING & THE MARKET**

Economic and legal aspects associated with the visual arts: authenticity, insurance, auctions, donations, copyright protection. Art value and art investment. 3 credits

**ARTH 3151, 3152, 3153, 3154, 3155, 3156 (AR 251, 252, 253, 254, 255, 256)**

**INDIVIDUAL STUDIES IN ART HISTORY**

Junior or senior art history majors  
Study and research in individual areas selected by the student in consultation with adviser and department chairperson.

credits to be arranged

**ARTH 3193-3194 (AR 292-293) ART INTERNSHIP**

3-6 credits

**Courses open to graduate and advanced undergraduate students**

**ARTH 6113 (AR 301) AMERICAN ART**

Designed to enable the student to explore the development of art in the United States from colonial times to the 20th century. 3 credits

**ARTH 6114 (AR 302) THE FINE ARTS IN 20TH-CENTURY AMERICA**

Rise to international importance of American art, studied against the background of social and cultural currents. 3 credits

**ARTH 6128 MODERN ART AND TECHNOLOGY**

See ARTH 1128 for description. 3 credits

**ARTH 6130 (AR 306) FOLK ART IN AMERICA**

History of folk art from 1670 until the present; artifacts studied as evidence of popular culture, as historical and social documents and as works of art. 3 credits

**Art and Advertising Art**

**AART 1210 (AR 10) FUNDAMENTALS OF DRAWING**

Introduction to the various media and basic techniques of drawing with emphasis on line, form, tone, texture in relation to composition and design. One two-hour workshop a week. 2 credits

**AART 1211, 1212, 1213, 1214 (AR 11, 12, 13, 14) DRAWING & PAINTING**

Various drawing and painting techniques demonstrated in the course, and the students work independently under the supervision of the instructor. One two-hour workshop a week. 2-8 credits

**AART 1215, 1216 (AR 15-16) WATERCOLOR**

Materials and methods in the art of watercolor with experience in both opaque and transparent pigments. One two-hour workshop a week. 2-4 credits

**AART 1217 (AR 112) STUDIO PAINTING**

Offered only in Summer Session.

Independent creative work under guidance of instructor. 3 credits

**AART 1218 (AR 113) OUTDOOR LANDSCAPE PAINTING**

Offered only in Summer Session.

Work under the guidance of the instructor on campus and in nearby locations. 3 credits

**AART 1219 (AR 114) INTRODUCTION TO SCULPTURE**

Free-standing and relief sculpture are modeled in terra cotta. Individual patina finishes are applied. 3 credits

**AART 1220 (AR 115) ART MATERIALS & TECHNIQUES**

Examination of the qualities and nature of the materials and processes by which art is created. 3 credits

**AART 1221-1222 (AR 116-117) CHINESE BRUSH PAINTING**

Introduction to the theories and techniques of Chinese painting. Emphasis on the art of line and design, control of various brushwork and asymmetrical balance of positive and negative space. One two-hour workshop a week.

2-4 credits

**AART 1223 (AR 150) THE ART OF DESIGN**

Concentrated examination of the theories and practice of two-dimensional design; study of the elements and materials in relation to design potentials with practical applications.

3 credits

**AART 1224-1225 (AR 152-153) INTRODUCTION TO PRINTMAKING**

Introduction through lectures, demonstrations and practical work to the major intaglio, relief and stencil processes.

3-6 credits

**AART 1311 (AR 118) INTRODUCTION TO ADVERTISING ART**

Overview of creative and practical aspects of advertising art with projects, demonstrations and lectures on design, printing processes, typography, media, client contact. 3 credits

**AART 2210 (AR 111) ADVANCED DRAWING**

Prerequisite: 2 credits in studio courses or permission of instructor.

Individual projects using a variety of drawing media and techniques, resulting in a portfolio presentation. 3 credits

**AART 2220 (AR 120) FIGURE DRAWING**

Introductory course in drawing the human figure, employing the use of male and female models. Comprehensive study of the nude human figure and its relation to painting.

3 credits

**AART 2230 ILLUSTRATION**

This course will help students to develop a rapid, interpretive drawing style for professional adaptation. 3 credits

**AART 2231 ADVERTISING ILLUSTRATION**

This course will teach finished illustration techniques with a special emphasis on advertising art. 3 credits

MUHI 1121	(MU 131)	Contemporary Music	3
MUHI 1122	(MU 132)	Charles Ives and the Pioneers of 20th Century American Music	3
MUHI 1133	(MU 133)	Jazz, Rock and Cinema	3
MUHI 1134	(MU 134)	Music of Broadway	3
MUHI 1135	(MU 135)	Music of Russia	3
MUHI 1137	(MU 137)	Gregorian Chant	3
MUHI 3171-3176	(MU 271- 276)	Individual Studies in Music History	1-6
			Total
			45

## Course Descriptions

### Art History

#### ARTH 1101 (AR 001) ART OF THE WESTERN WORLD

General survey of the history of art in the West from pre-classical Greece to the present day. 3 credits

#### ARTH 1107 (AR 107) AMERICAN ART

Overview of art and architecture in America from colonial times to the 20th century. 3 credits

#### ARTH 1111 (AR 101) CLASSICAL ART

Study of the art and architecture of the ancient Greeks and Romans. 3 credits

#### ARTH 1112 (AR 102) MEDIEVAL ART

Art in Europe from the beginning of Christianity through the full flowering of medieval culture in the Gothic age. 3 credits

#### ARTH 1113 (AR 103) ITALIAN ART OF THE RENAISSANCE

Evolution of Italian art from the 14th through the 16th centuries. 3 credits

#### ARTH 1114 (AR 104) LEONARDO & MICHELANGELO

Detailed study of the two great masters of the Renaissance. 3 credits

#### ARTH 1115 (AR 105) BAROQUE & ROCOCO ART

Historical development of painting and architecture in Europe from the post Renaissance period to the late 18th century. 3 credits

#### ARTH 1116 (AR 106) 19TH-CENTURY ART FROM NEOCLASSICISM TO IMPRESSIONISM

Evolution of modern art in Europe from the dawn of Neoclassicism in the later part of the 18th century till the last Impressionist exhibition in 1886. 3 credits

#### ARTH 1118 (AR 108) 20TH-CENTURY ART

Art in our century, from Fauvism and Cubism to the present. 3 credits

#### ARTH 1120 (AR 110) ART AND HUMAN NEEDS

Designed to increase awareness and enjoyment of art through exploration of art's many complex dimensions. Among the environments considered in relation to art's purposes

are the religious, the political, the psychological and the aesthetic. 3 credits

#### ARTH 1121 (AR 200) HISTORY OF ARCHITECTURE

Major epochs and areas in the history of architecture and the ordering of man's environment, ranging from the study of village remains of prehistoric times to the urban planning of our day. 3 credits

#### ARTH 1123 (AR 203) PRINTS & PRINTMAKERS

Introduction to the major printing techniques with the help of original graphic art material and visual aids. Detailed discussion of some of the great printmakers in history: D: Dürer, Rembrandt, Goya, Daumier. 3 credits

#### ARTH 1125 (AR 205) RUBENS, REMBRANDT & THE MASTERS OF THE NORTH

History of painting and graphic art in the Low Countries from the early 15th to the late 17th centuries. 3 credits

#### ARTH 1126 (AR 206) THE ARTS OF CHINA & JAPAN

Survey of Far Eastern art from prehistoric times to the 19th century. Original works of art from the University's collections used for illustration and examination. 3 credits

#### ARTH 1127 (AR 208) THE ART OF VAN GOGH AND HIS CONTEMPORARIES

European art of the Post-Impressionist era, with special emphasis on Vincent van Gogh. 3 credits

#### ARTH 1128 (AR 209) MODERN ART AND TECHNOLOGY

Explores the nature and degree of the relationship between the arts (painting, sculpture, architecture, applied arts) and technological change in the industrial era, roughly covering the period between 1750 and the present. 3 credits

#### ARTH 1130 (AR 210) FOLK ART IN AMERICA

History of folk art from 1670 until the present time, wherein the artifacts are studied as evidence of popular culture, as historical and social documents, and as works of art. 3 credits

**AART 2232 PHOTOGRAPHY IN ADVERTISING**

A critical exploration of the structure, design and meaning of the photographic image and its uses in advertising. The techniques and aesthetics of photographic image making and its possibilities for graphic design and advertising are analyzed. Practical exercises are designed to stimulate creative seeing and visual thinking. Students will provide 35mm SLR camera, transparency film and processing. 3 credits

**AART 2311 (AR 154) ADVANCED ADVERTISING ART**

Hands-on design and production of all forms: newspaper, magazine, posters, brochures. 3 credits

**AART 2312 (AR 156) COMPUTER DESIGN IN ADVERTISING ART**

Introduction to uses of computer graphics in the advertising and commercial art fields through lectures, seminars and hands-on experiences. Use of turn-key (menu-driven) software. 3 credits

**AART 3311 ADVERTISING PRODUCTION LAB**

Prepares students to produce all forms of paste-ups and mechanicals used in the advertising industry through intensive practical problems, applying industry standards and industry standard time frames. 3 credits

**AART 3161, 3162, 3163, 3164, 3165, 3166 (AR 261, 262, 263, 264, 265, 266)**

**INDIVIDUAL STUDIES IN ART**

Prerequisite: 6 credits in studio art and permission of department chairperson.

Independent work under the guidance of the instructor. credits to be arranged

**AART 3193-3194 (AR 292-293) ART INTERNSHIP**

Pass-Fail option only 3-6 credits

**AART 3894 JJ CO-OP I (See Co-op Adviser)**

**AART 3895 JJ CO-OP II (See Co-op Adviser)**

**AART 3896 JJ CO-OP III (See Co-op Adviser)**

For descriptions, see page 31, 56 or 169. 3 credits.

**AART 4312 (AR 155) ADVERTISING ART PORTFOLIO**

Comprehensive methods and techniques enabling students to best present their resumes and portfolios. 3 credits

**Applied Music**

**MUAP 1111, 1112, 1113, 1114, 1115, 1116 (MU 21, 22, 23, 24) PIANO**

For piano students of all levels, from beginning to advanced. Class work includes study of solo and ensemble literature from Bach to pop, as well as piano technique, keyboard theory and sight reading. Beginning students work in the new Baldwin electronic piano lab. One two-hour class a week. Students may take up to four semesters. Fee \$10 2-12 credits

**MUAP 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128 GOSPEL CHOIR**

For description see AFAM 1121-1128 page 58. 3 credits

**MUAP 1131, 1132, 1133, 1134, 1135, 1136 (MU 31, 32, 33, 34) VOICE TRAINING & SINGING**

Prerequisite: permission of instructor

Voice training and vocal coaching for beginning, intermediate and advanced students on a class basis. One two-hour class a week. 2-12 credits

**MUAP 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158 (MU 51, 52, 53, 54, 55, 56, 57, 58) CHORUS**

Study and performance of representative choral music from the Renaissance to the present. Includes the development of choral skill such as sight reading, intonation, establishing a good choral tone and use of vocal color. 1-8 credits

**MUAP 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168 (MU 61, 62, 63, 64, 65, 66, 67, 68) VOCAL CHAMBER ENSEMBLE**

Prerequisite: audition.

Select vocal ensemble of advanced singers. 1-8 credits

**MUAP 1172-1173-1174 OPERA WORKSHOP**

Preparation of operatic arias and ensembles for the purpose of stage presentation. 1-3 credits

**MUAP 1181 (MU 81) CONDUCTING TECHNIQUES FOR VOCAL ENSEMBLES**

Practical approach to the conducting of vocal ensembles in secondary schools, churches and community settings. 2 credits

**MUAP 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198 PRIVATE INSTRUMENTAL STUDY**

Private study on a stringed, brass, woodwind or percussion instrument from an approved instructor in the studio of the instructor. Twelve 50-minute lessons per semester. Additional lesson fee required. 1-8 credits

**MUAP 3181, 3182, 3183, 3184, 3185, 3186 (MU 281, 282, 283, 284, 285, 286)**

**INDIVIDUAL STUDIES IN APPLIED MUSIC**

Prerequisites: 6 credits in applied music and permission of department chairperson.

Independent work under the guidance of the instructor. credits to be arranged

**Music History**

**MUHI 1102 (MU 2) MUSIC AND CIVILIZATION**

Approach to the history of music from the viewpoint of art, literature, politics and education from Greek civilization to the present. 3 credits

**MUHI 1108 (MU 136) MUSIC OF AMERICA**

Survey of music from colonial times to present, with special emphasis on 19th-century romanticists and 20th-century neo-classicists. 3 credits

**MUHI 1110 (MU 20) INTRODUCTION TO MUSIC**

Art of listening and enjoyment of music. Fundamental musical concepts; survey of the symphony, concerto, sonata, opera, mass and oratorio. 3 credits

**MUHI 1113 (MU 123) SYMPHONIC MUSIC**  
Growth and principal literature of symphonic music from the 18th century to the present. Equal emphasis on parallel development of the symphony orchestra. 3 credits

**MUHI 1114 (MU 124) MUSIC IN THE BAROQUE ERA**  
Study of choral and instrumental forms and styles of the period of Bach and Handel. 3 credits

**MUHI 1115 (MU 125) MUSIC IN THE CLASSICAL ERA**  
The Golden Age of music (1750-1827). Emphasis on the three great masters: Haydn, Mozart and Beethoven. 3 credits

**MUHI 1116 (MU 126) THE ART OF BEETHOVEN**  
Inner and outer world of the most magnetic genius of music. 3 credits

**MUHI 1117 (MU 127) MUSIC IN THE ROMANTIC ERA**  
Concepts of romanticism as revealed through music. Study of art songs, operas, symphonies, program music and piano music of the 19th century. 3 credits

**MUHI 1118 (MU 128) MUSIC IN THE MODERN ERA**  
Styles, modes and concepts in modern music from post-romantic trends to electronic and aleatory music. 3 credits

**MUHI 1119 (MU 129) HISTORY OF OPERA**  
Survey of operatic trends from 1600 to present. Concentration on the works of Mozart, Verdi, Wagner, Puccini and Strauss. 3 credits

**MUHI 1120 (MU 130) RICHARD WAGNER**  
Study of his art, philosophy and life. Emphasis on the Ring of the Nibelung. 3 credits

**MUHI 1121 (MU 131) CONTEMPORARY MUSIC**  
Evolution of modern music exemplified in the works of selected contemporary composers. 3 credits

**MUHI 1122 (MU 132) CHARLES IVES AND THE PIONEERS OF 20TH-CENTURY AMERICAN MUSIC**  
Music and philosophy of Ives, one of the music pioneers of this century. The American avant garde. 3 credits

**MUHI 1133 (MU 133) JAZZ, ROCK & CINEMA**  
Survey of the three major areas of "pop" music; history of jazz development, analysis of rock and techniques of scoring film. 3 credits

**MUHI 1134 (MU 134) MUSIC OF BROADWAY**  
Survey of the music presented on the "Great White Way" from 1750 to the present, including a look at the minstrels, operettas, reviews, follies, vaudeville and musical plays, as well as the famous musicals which have appealed to Americans since 1939. 3 credits

**MUHI 1135 (MU 135) MUSIC OF RUSSIA FROM 1850 TO PRESENT**  
Study of Russian music from romantic nationalism to modern Soviet realism. Survey of the important musical contributions from Glinka to Shostakovich. 3 credits

**MUHI 1137 (MU 137) GREGORIAN CHANT: NOTATION METHODS OF SINGING, DIRECTION**  
Study of plainchant as it developed in the Church: the singing, the history, the interpretation and the relationship to the liturgy. 3 credits

**MUAP 1141-1148 BAND**  
Practical performance ensemble which performs a varied repertoire from classical to contemporary. Performs in concert; represents the University. 1-8 credits

**MUHI 3171, 3172, 3173, 3174, 3175, 3176 (MU 271, 272, 273, 274, 275, 276) INDIVIDUAL STUDIES IN MUSIC HISTORY**  
Prerequisite: 6 credits in music  
Course open to graduate and advanced undergraduate students  
Study and research in individual areas selected by the student in consultation with adviser and department chairperson. credits to be arranged

**MUHI 6136 (MU 303) AMERICA'S MUSIC FROM COLONIAL TIMES TO THE PRESENT**  
Development of American music; interaction of European traditions and local musical phenomena; importance of contemporary American composers. 3 credits

**Music Theory**

**MUTH 1111 (MU 121) THEORY OF MUSIC I**  
Comprehensive study of musical notation: sight singing, melodic and rhythmic dictation, basic analysis of triads, inversions, phrase structure and the technique employed in harmonization. 3 credits

**MUTH 2111 THEORY OF MUSIC II**  
Comprehensive study of harmony including harmonic and rhythmic dictation, advanced sight-singing, study of seventh chords, secondary dominants, modulation to closely related and foreign keys plus advanced 4-part analysis. 3 credits

**MUTH 3111 THEORY OF MUSIC III**  
Basic study of the techniques used in instrumental and vocal music composition. Basic form and practical implementation of rules of composition. 3 credits

**MUTH 4111 THEORY OF MUSIC IV**  
Study of arranging and orchestration skills utilized in choral and instrumental music. Techniques in doubling, orchestration for large and small ensembles as well as copyright laws and how to be published. 3 credits



# DEPARTMENT OF ASIAN STUDIES

**Professors:** Blakeley (*Chairperson*);  
Kikuoka; Podgorski; Yang

**Associate Professor:** Leung

**Assistant Professor:** Mattos

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The Department of Asian Studies offers programs of study leading to the degrees Bachelor of Arts and Master of Arts. The major program provides students with training in the languages

and cultures of Asia, leading to careers in government, international services, research, teaching or business, as well as advanced graduate study.

The languages offered by the department are Chinese (Mandarin) and Japanese. Area courses cover the civilizations and cultures of Asia, with emphasis on China, Japan and India.

## Major Program

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete a minimum of 54 credits in Asian Studies.

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## Department Requirements

### I. Language

24 credits in a single Asian language and 30 credits in area studies or 30 credits in a single Asian language and 24 credits in area studies

Language study should be undertaken throughout the four year program, with more intensive study for the first two years.

### II. Area Courses

ASIA 3127-3128 History of Traditional China, History of Modern China  
OR

ASIA 3129-3130 History of Traditional Japan, History of Modern Japan

6 credits in social science courses, from among the following:

ASIA 2112 Geography of Asia  
ASIA 2113 The Third World  
ASIA 2114 China in World Affairs  
ASIA 3114 Asian Politics  
ASIA 3115 Oriental Society  
ASIA 3131 Contemporary Chinese Politics  
ASIA 3132 Contemporary Japan  
ANTH 1202 Introduction to Cultural Anthropology  
SOC 1111 The Sociological Enterprise

6 credits in humanities courses, from among the following:

ASIA 1111 Zen and Yoga  
ASIA 2101 Asian Literature in English Translation I  
ASIA 2102 Asian Literature in English Translation II  
ASIA 3101 History of Asian Religious Reflections  
ASIA 3113 Eastern Mysticism: A Search for the Total Meaning of Man  
ASIA 3119 The Holy Books of India

Electives (chosen in consultation with the undergraduate adviser):

For the 30-credit area course option: 12 credits in Asian Studies area courses.

For the 24-credit area course option: 6 credits in Asian Studies area courses.

(Electives may include the following: ASIA 3211 Foreign Business Operations, ASIA 3214 International Business and Trade.)

## Minor Program

In addition to meeting the standards and requirements of the College of Arts and Sciences, students minoring in Asian Studies must complete a total of 21 credits in Asian Studies.

I. Required courses: 9 credits

ASIA 3102            History of Traditional Asia  
ASIA 3103            History of Modern Asia

One other Asian Area Studies Course

II. Electives: 12 credits

12 credits in Chinese or Japanese language

or

12 credits in Asian Area Studies (concentration: China, Japan or India)

## Course Descriptions

### Chinese

#### CHIN 1102-1103 INTRODUCTORY CONVERSATIONAL CHINESE I and II

Mastery of the basic skills of modern spoken Mandarin Chinese: *Pinyin* romanization, pronunciation, basic sentence patterns and vocabulary. Stress on listening comprehension and the ability to communicate in everyday situations. 6 credits

#### CHIN 1104-1105 INTRODUCTORY CHINESE READING I and II

Pre- or co-requisites: CHIN 1102-1103

Mastery of the 600 most commonly used characters and the vocabulary arising from their combinations. Study of simple colloquial texts as a supplement to the basic sentence patterns of spoken Chinese. 6 credits

#### CHIN 2101-2102 INTERMEDIATE CONVERSATIONAL CHINESE I and II

Prerequisites: CHIN 1102-1103

Attainment of the ability to communicate in a variety of social situations. Vocabulary building and mastery of more complex sentence patterns of modern spoken Mandarin through classroom practice and drills. 6 credits

#### CHIN 2103-2104 INTERMEDIATE CHINESE READING I and II

Pre- or co-requisites: CHIN 2101-2102

Mastery of 600 additional Chinese characters and their combinations. Reading of texts in colloquial Chinese, as reinforcement to grammar and syntax. 6 credits

#### CHIN 3101-3102 ADVANCED CHINESE CONVERSATION AND READING I and II

Prerequisites: CHIN 2102 and 2104

Mastery of 600 additional characters. Exercises in advanced written materials in modern colloquial Chinese. Practice leading to a high level of oral expression. 6 credits

#### CHIN 3211-3212 (AS 224-225) READINGS IN CLASSICAL CHINESE I & II

Prerequisite: CHIN 3102

Introduction to classical Chinese through selected readings, with emphasis on classical grammar and syntax. 3 credits each

#### CHIN 3213-3214 (AS 226-227) READINGS IN MODERN CHINESE I & II

Prerequisite: CHIN 3102

Selected readings in modern Chinese materials in the social sciences and humanities. 3 credit each

#### CHIN 3215-3216 (AS 228-229) CHINESE NEWSPAPER READINGS I & II

Prerequisite: CHIN 2112 or CHIN 2102

Introduction to journalistic writings, including materials selected from newspapers and magazines. 3 credit each

### Japanese

#### JAPN 1101 (AS 70) INTENSIVE INTRODUCTORY JAPANESE

Intensive study of modern Japanese. Development of the four skills (comprehension, speaking, reading and writing) mainly through the audio-lingual method. 6 credits

**JAPN 1102-1103 (AS 71-72)**  
**INTRODUCTORY JAPANESE I & II**  
(For non-Japanese majors only)  
Prerequisite: JAPN 1103, JAPN 1102

Modern Japanese. Development of the four skills (comprehension, speaking, reading, and writing) mainly through the audio-lingual method. 3 credits each

**JAPN 2101-2102 (AS 171-172)**  
**INTERMEDIATE JAPANESE I & II**  
(For non-Japanese majors only)  
Prerequisites for JAPN 2101: JAPN 1103 or JAPN 2111

Prerequisite for JAPN 2102: JAPN 2101  
More advanced study. Emphasis on speaking and reading. 3 credits each

**JAPN 2111 (AS 170) INTENSIVE INTERMEDIATE JAPANESE**  
Prerequisite: JAPN 1101

More advanced study, with emphasis on speaking, vocabulary building, reading and grammar. 6 credits

**JAPN 3111-3112 (AS 270-271)**  
**THIRD-LEVEL JAPANESE I & II**  
Prerequisites for JAPN 3111: JAPN 2111 or JAPN 2102

Prerequisite for JAPN 3112: JAPN 3111  
Continuation of the four skills development in Japanese. Emphasis on reading. 3 credits each

**JAPN 3113-3114 (AS 272-273)**  
**INTRODUCTION TO READINGS IN JAPANESE I & II**  
Prerequisite: JAPN 2111 or JAPN 2102

Intermediate level readings. Emphasis on modern Japanese in the various disciplines. 3 credits each

**JAPN 3211-3212 (AS 274-275) BUSINESS JAPANESE I & II**  
(For students who have reached the third-year level in Japanese language)  
Prerequisite: JAPN 2111 or JAPN 2102

Emphasis on conversation and reading in business-related materials. Includes basic business correspondence. 3 credits each

### Area Courses

**ASIA 1111 (AS 2) ZEN AND YOGA**  
Rise of Zen in China and Japan; development of Yoga in India. Students taught the actual exercises and postures of Zen and Yoga. 3 credits

**ASIA 2101-2102 (AS 112-113) (ENGL 3608-3609) ASIAN LITERATURE IN ENGLISH TRANSLATION I & II**  
Appreciation of Asian literature. Readings and analysis. Part I: Traditional literature (5th century B.C. to 18th century A.D.). Part II: Modern literature (19th to 20th centuries). 3 credits each

**ASIA 2112 (AS 102) (GEOG 3111)**  
**GEOGRAPHY OF ASIA**  
Physical environment and human problems of Asia. Emphasis on China, Japan, India and the Soviet Union. 3 credits

**ASIA 2113 (AS 108) THE THIRD WORLD**  
Introduction to history and politics of the Third World Movement since the Bandung Conference. Emphasis on Asian, African and Latin American countries' independence movements, struggles against colonialism, imperialism and hegemonism. Analysis of the Third World Bloc in the United Nations. Third World relations with the United States and the Soviet Union, and China's role as a leader of the Third World. 3 credits

**ASIA 2114 (AS 109) (POLS 3791) CHINA IN WORLD AFFAIRS**  
General survey of China's foreign relations in the 20th century, particularly in the post-1949 period. China's relations with the United States, the Soviet Union and Third-World countries. 3 credits

**ASIA 3101 (AS 204) (RELS 3101) HISTORY OF ASIAN RELIGIOUS REFLECTIONS**  
Origin and development of religious speculations in India from the Vedic period to Shankara; in China from Confucius to Chu Hsi; in Japan from Nara to the Meiji periods. 3 credits

**ASIA 3102 (AS 202) (HIST 1601) HISTORY OF TRADITIONAL ASIA**  
A survey of the historical development of the major Asian civilizations (ancient Near East, India, China, Japan, Korea) primarily pre-modern. 3 credits

**ASIA 3103 (AS 203) (HIST 1602) HISTORY OF MODERN ASIA**  
Asian history and culture from the 19th century to the present. 3 credits

**ASIA 3113 (AS 206) EASTERN MYSTICISM: A SEARCH FOR THE TOTAL MEANING OF MAN**  
Contemporary search for human fulfillment studied in light of mystical goals as described in classical sources. Comparison of the Western model of "spiritual journey," the intuitive approach of the Upanishads, the devotional orientation of the *Bhagavad-Gita*, and the Yogic path of spiritual transformation. The early Buddhist notion of "nirvana" and subsequent Ch'AAan-Zen emphases. The Chinese search for "Tao" and "li." Eastern reverence for man and the contemplation of his meaning. 3 credits

**ASIA 3114 (AS 207) (POLS 2661) ASIAN POLITICS**  
Political systems and behavior in modern Japan, China, India and Southeast Asia. 3 credits

**ASIA 3115 (AS 208) ORIENTAL SOCIETY**  
Asian social institutions and customs, ethnic relations and family life. 3 credits

**ASIA 3119 (AS 214) THE HOLY BOOKS OF INDIA**  
Vedas, Upanishads, Ramayana, Yoga-Sutras, and the Vedanta Sutra of the Hindu tradition. Selections from the Pali canon of the Buddhist tradition. 3 credits

**ASIA 3127 (AS 253) (HIST 2621) HISTORY OF TRADITIONAL CHINA**  
From the origins to 1800 A.D. Political, social and intellectual characteristics of Chinese civilization. 3 credits

**ASIA 3128 (AS 254) (HIST 2651) HISTORY OF MODERN CHINA**  
Transformation and continuity in China since 1800. 3 credits

**ASIA 3129 (AS 255) (HIST 2622) HISTORY OF TRADITIONAL JAPAN**  
Origins to 1800 A.D. Periods of aristocratic and military dominance, the "Christian century," and the isolation of Japan in the Tokugawa period. 3 credits

**ASIA 3130 (AS 256) (HIST 2652) HISTORY OF MODERN JAPAN**  
1800 to the present. Beginning with the breakup of Tokugawa isolation through Japan's present-day modernization. 3 credits

**ASIA 3131 (AS 257) (POLS 2616) CONTEMPORARY CHINESE POLITICS**  
Analysis of the political system of China; present trends and future prospects. 3 credits

**ASIA 3132 (AS 258) CONTEMPORARY JAPAN**  
Interdisciplinary survey of Japanese life. Social, psychological and other forces in the make-up of the Japanese people and life-style. 3 credits

**ASIA 3211 (AS 280) (BINT 4993) FOREIGN BUSINESS OPERATIONS**  
Asian business operations of U.S. firms and American operations of Asian corporations. Organization and management of foreign operations. Introduction to economic, financial, legal, and management problems in foreign operations such as political environment, social customs, international relations, and linguistic and cultural issues. 3 credits

**ASIA 3214 (AS 283) (BINT 4991) INTERNATIONAL BUSINESS AND TRADE**  
Introduction to International Business with emphasis on International Trade. Aspects of international economics and international relations and politics affecting international business. Financial, economic, political and other factors affecting foreign trade. Special attention to U.S. trade with Asia. U.S. trade with Europe. Theory and practices, problems, potential and prospects in foreign trade. 3 credits

**ASIA 3894 JJ CO-OP I** (See Co-op Adviser)  
**ASIA 3895 JJ CO-OP II** (See Co-op Adviser)  
**ASIA 3896 JJ CO-OP II** (See Co-op Adviser)  
For description, see page 31, 56 or 169. 3 credits

**Linguistics and Bilingual Education**

**ASIA 3143 (AS 232) METHODS OF TEACHING CHINESE AND JAPANESE**  
Trends in methodology; basic theories concerning language and its teaching. Aims to develop skills and special techniques necessary for good teaching and use of language laboratory. 3 credits

**ASIA 3148 (AS 239) CONTEMPORARY SOCIAL PROBLEMS IN THE ASIAN COMMUNITY AND ASIAN BILINGUAL CHILDREN**  
Contemporary socio-economic problems affecting the socialization and biculturalization of the Asian bilingual/bicultural children. Conducted bilingually. 3 credits

**Directed Studies**

**ASIA 5190-5199 (AS 290-299) DIRECTED UNDERGRADUATE ASIAN STUDIES**  
Selected readings in each student's field of concentration under the direction of a faculty member on an individual basis. 3 credits each semester

**Interdisciplinary Studies**

**IDIS 1101-1102 TRADITIONAL CULTURES OF THE NON-WESTERN WORLD, I-II**  
Multi-disciplinary, inter-departmental team-taught survey of the major traditional cultures of Asia, Africa and the Americas. Survey of history, society, government, philosophy, religion, economy and arts. Background to understanding the cultures of the modern Third World. Applicable to Section E3 of the core curriculum. 6 credits

**DEPARTMENT OF BIOLOGY**

**Professors:** De Prospro; Katz; Orsi

**Associate Professors:** Burke; Moldow ((*Chairperson*)); Rawn

**Assistant Professors:** Ahmad; Glenn; House; Hsu; Krause ((*Co-op Adviser*))

The Department of Biology offers programs of study leading to the degrees Bachelor of Science and Master of Science in Biology and Master of Science in Microbiology.

The program in biology provides a strong background in the physical as well as the biological sciences in preparation for careers in any area of biology, medicine, dentistry and related professions. It is sufficiently flexible and open to ensure the scheduling of arts and humanities courses for a broad cultural education. Through elective courses, the program gives students the opportunity

to become familiar with different specialized areas of biology and to engage in independent library or laboratory research.

## Honors Program

Students with particularly strong academic credentials and promise are encouraged to apply for the Biology Honors Program. This may be coordinated with the College Honors Program (see page 160). In addition to the regular course load, honors students elect a sequence of seminar and laboratory research courses (determined in consultation with a faculty adviser) leading to a senior thesis. All of the biology faculty participate in the seminars and supervision of the students engaged in research. If senior thesis (BIOL 4186) is not completed, all accumulated honors credits count as free electives not biology electives.

## Major Program

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete a minimum of 64 credits in biology, chemistry, mathematics and physics.

Selected faculty members serve as advisers to students, and students are encouraged to discuss their academic programs, progress and career goals with their faculty advisers. While all students are required to schedule certain courses (see departmental requirements), each student selects courses and develops a specific program in consultation with a member of the biology faculty.

Successful completion of the New Jersey Basic Skills Computation and Algebra tests, or equivalent tests administered by the Seton Hall University Mathematics department, is prerequisite to all courses listed.

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### Department Requirements

		Credits
BIOL 1201-1202	General Biology I & II	8
BIOL 2211	Genetics Lecture and Laboratory	4
BIOL 4197	Senior Biology Seminar	1
	Elective courses in Biology	19
CHEM 1103-1104	General Chemistry I & II	8
CHEM 2311-2312	Organic Chemistry I & II	8
MATH 1401-1411	Calculus I & II	8
PHYS 1701-1702	General Physics I & II	6
PHYS 1811-1812	Physics Laboratory I & II	2

Strongly recommended: CHEM 2214 Quantitative Analytic Chemistry  
or

CHEM 3418 Physical Chemistry for Biological Sciences

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## Course Descriptions

Equivalent courses taken elsewhere may be accepted as prerequisites. Students should check with advisers to make sure courses are acceptable before registering.

BIOL 1201, 1202 and 2211 are prerequisites for all biology major electives.

From the combined course groups of biology honors, independent study in

biology and biology research, a maximum of four credits may be counted toward the 32 biology credits required in the major.

### BIOL 1101 (BI 1) INTRODUCTION TO BIOLOGY

(For students not majoring in the sciences)

Introduction to concepts that contribute to understanding of the distinctive nature and characteristics of life, its cellular, physical and

chemical bases. Emphasis on the function of tissues, organs and systems of the human body. Three hours lecture per week. 3 credits

**BIOL 1102-1103 (BI 2-3) HUMAN ANATOMY AND PHYSIOLOGY**  
(Not for science majors or pre-medical/pre-dental students)

Introduction to the function of organ systems and their integration by the nervous and endocrine systems. Elements of structure as a basis for understanding function. Emphasis on the mechanisms of regulation of body processes that maintain life in the face of environmental change. Three hours lecture, three hours laboratory per week. 4 credits each

**BIOL 1105-1106 (BI 25-26) HUMAN STRUCTURE AND FUNCTION I & II**

(Primarily for psychology majors)  
Corequisite: MATH 1201

Biology for *homo sapiens* including discussions of human evolution, ecology, genetics and development; mammalian cellular, tissue, and organ structure and function; mammalian physiology emphasizing nervous and hormonal coordination necessary for homeostasis. Three hours lecture, three hours laboratory per week. 4 credits each

**BIOL 1115-1116 (BI 25-26) HUMAN STRUCTURE AND FUNCTION I & II**

(Primarily for psychology majors)  
Corequisite: MATH 1201

Same course content as BIOL 1105-1106, but does not include lab. Three hours lecture per week. 3 credits each

**BIOL 1201 (BI 12) GENERAL BIOLOGY/ORGANISM**

Prerequisite: MATH 1014

Taxonomy, phylogeny, ecology and evolution of organisms. Structure and function of systems to maintain homeostasis in particular environments. Three hours lecture, three hours laboratory per week. 4 credits

**BIOL 1202 (BI 11) GENERAL BIOLOGY/CELL**

Prerequisite: MATH 1014

Corequisite or prerequisite: CHEM 1103

Introduction to genetics, the cellular basis of life forms, the structures and functions of biologically important molecules. Covers cellular and molecular aspects of operation of bodily systems that are treated more descriptively in BIOL 1201, for example, kidney function, nerve cell function, muscle contraction, hormone action and cellular recognition in immunity. Includes microscopy, permeability, molecular modeling, enzyme studies, spectrophotometry, statistics and data analysis. Three hours lecture and three hours laboratory per week. 4 credits

**BIOL 2111 (BI 4) INTRODUCTION TO MICROBIOLOGY**

(Not for science majors or pre-medical/pre-dental students)

Prerequisites: BIOL 1102-1103, CHEM 1101-1102 or equivalents

Integrated approach to the principles of bacteriology, virology and parasitology to provide a better understanding of the problems of health

and disease. Three hours lecture, two hours laboratory per week. 4 credits

**BIOL 2181 (BI 186) BIOLOGY HONORS I**

Use of library resources to search the literature of the biological sciences and compile bibliographies. Principles of scientific inquiry and development of scientific theories explored through discussion with faculty. Review of various research areas and topics for laboratory investigation. Class assignments and term papers. One hour per week. 1 credit

**BIOL 2211 (BI 113) GENETICS LECTURE AND LABORATORY**

Prerequisite: BIOL 1201-1202

Fundamental principles of classic and molecular genetics. Simple inheritance patterns, cytogenetics, DNA replication, protein synthesis, regulatory mechanisms, genetic engineering, and behavioral genetics. Problems of human genetics as related to genetic counseling and genetic engineering. Laboratory experiments illustrate principles of genetics using various organisms. Introduction to statistics and computers as applied to genetics. Three hours lecture, four hours laboratory per week. 4 credits

**BIOL 2221 (BI 201) CELL BIOLOGY**

Prerequisites: BIOL 2211

Study of the morphology and physiology of cells and cell organelles; diversity of cell types resulting from cell specialization; mechanisms by which cells reproduce, develop and evolve; methodology by which cell physiology and morphology are studied. Three hours per week. 3 credits

**BIOL 2222 (BI 202) CELL BIOLOGY LABORATORY**

Prerequisite or corequisite: BIOL 2221

Microscopic and experimental examination of cell structure and function. Four hours per week. 1 credit

**BIOL 2311 (BI 131) COMPARATIVE VERTEBRATE ANATOMY**

Through lecture, laboratory and discussion periods, the study of the phylogeny and morphological features of vertebrates. Comparison and evolutionary significance of systems of Cephalochordata and Vertebrata. Review of current literature. Laboratory study of the structure of vertebrate organ systems through dissection of the cephalochordate, *Branchiostoma* and representatives of various vertebrate classes. Three hours lecture and discussion, four hours laboratory per week. 4 credits

**BIOL 2312 (BI 253) EXPERIMENTAL INVERTEBRATE ZOOLOGY**

Study of representative freshwater, marine and terrestrial animals of major phyla from Protozoa through the protochordates. Experimental work emphasized. Includes morphology, physiology, phylogeny and evolution. Students report on current literature. Three hours lecture and discussion, four hours laboratory per week. 4 credits

**BIOL 2331 (BI 105) HISTOLOGY**

Study of normal cells and tissue and how they are organized to form functional organ systems in humans. Laboratory involves analysis of prepared slides as well as some of the current microscopic techniques used to study

cells and tissue. Three hours lecture, four hours laboratory per week. 4 credits

#### **BIOL 2341 (BI 170) ECOLOGY**

Adaptation of organisms to their environment; population dynamics; symbiosis; community and ecosystem structure and function; emphasis on role of microorganisms in biotransformation, element cycling and energy flow; experience in field techniques. Three hours lecture, four hours laboratory per week. Offered in alternate years. 4 credits

#### **BIOL 3181, 3184, 4185 (BI 296, 297, 298) BIOLOGY HONORS: LABORATORY RESEARCH I, II, III**

Laboratory investigation of a particular problem under the supervision of a member of the faculty. An oral report of research and a written abstract are presented at least once annually. 2 credits

A maximum of 8 credits is permitted in BIOL 3193-3196

#### **BIOL 3191-3194 (BI 210-213) BIOLOGY RESEARCH**

(Limited to juniors and seniors selected by the faculty. Arrangements must be made and permission obtained prior to registration) Methods of original laboratory investigation and research projects. Hours by arrangement. 2-8 credits

#### **BIOL 3195-3196 (BI 214-219) INDEPENDENT STUDY IN BIOLOGY**

(Limited to students selected by the faculty. Arrangements must be made and permission obtained prior to registration)

Insight into current biological research and, by direct contact with the staff, opportunity to examine the biological sciences as a cultural subject and a professional field. Hours by arrangement. 1-6 credits

#### **BIOL 3212 (BI 254) EVOLUTION**

Population genetics; Hardy-Weinberg equilibrium; genetic variation; kinds of selection; speciation mechanism; major phylogenetic patterns; evidence for organic evolution; and modern techniques (such as biochemical, morphometric, behavioral) in population genetics and taxonomy. Three hours lecture per week. Offered in alternate years. 3 credits

#### **BIOL 3223 (BI 221) METABOLIC PATHWAYS IN LIVING SYSTEMS**

Prerequisite: CHEM 2312, Senior Status; 3.0 Science GPA

Synthesis and degradation of organic molecules in living systems with emphasis on integration and regulation of pathways. Stresses the human organism and medical aspects of metabolism. Includes metabolic activities restricted to plants and microorganisms. Three hours lecture per week. 3 credits

#### **BIOL 3234 (BI 205 and 206) MOLECULAR BIOLOGY**

Prerequisites: CHEM 2312 and BIOL 2211; Recommended: BIOL 3411

Study of structure and function of macromolecules. Prokaryotic and eukaryotic genome. Introduction to bacterial and bacteriophage genetics, mutations, gene structure and function. Gene expression: genetic code, transcrip-

tion, translation and the regulatory system. Discussion of replication of viruses. Genetic programming: basic concepts of biotechnology. Laboratory experiments on topics presented in lecture to illustrate the basic concepts in molecular biology. Three hours lecture and four hours laboratory per week. 4 credits

#### **BIOL 3241 (BI 208) INTRODUCTION TO IMMUNOLOGY**

Prerequisite: CHEM 2312

Discussion of antigenicity, recognition and specificity. Development of the immune system: humoral and cell mediated responses. Cellular interactions, lymphokines and regulations. Structure and function of immunoglobulins, genetic basis of diversity, gammopathy and monoclonal antibody, complement system, tolerance and immunosuppression. Autoimmunity and immunogenetics. Three hours lecture and four hours laboratory per week. 4 credits

#### **BIOL 3313 (BI 250) PARASITOLOGY**

Prerequisite: BIOL 2311; BIOL 2331 recommended

Phenomenon of parasitism and biology of representative pathogenic and nonpathogenic protozoans, helminths, and arthropods of humans and animals. Laboratory concerned with living organisms and their hosts, experimental work, prepared slides and preserved specimens. Students review current literature. Three hours lecture and discussion, four hours laboratory per week. 4 credits

#### **BIOL 3321 (BI 251) VERTEBRATE PHYSIOLOGY**

Prerequisites: CHEM 2312; PHYS 1702 and PHYS 1812, or permission of instructor

A comprehensive coverage of the physiology of cells, organs and organs systems with emphasis on the underlying biophysical and biochemical principles of function. Organ systems including: nerve, muscle, cardiovascular, respiratory and renal are examined from the standpoint of their regulation and role in maintenance of homeostasis. Three hours lecture, four hours laboratory per week. 4 credits

#### **BIOL 3322 (BI 252) VERTEBRATE PHYSIOLOGY**

Prerequisites: Same as BIOL 3321.

Lecture course as outlined under BIOL 3321. Three hours lecture per week. 3 credits

#### **BIOL 3323 (BI 241) VERTEBRATE ENDOCRINOLOGY**

Prerequisite: CHEM 2312

Recommended: BIOL 3321

Role of hormones in coordinating homeostasis. Emphasis on neuroendocrinology, including functional neuroanatomy and neurochemistry. Study of the mechanism of action of hormones at the cellular and molecular levels. Review and analysis of current literature. Three hours lecture per week. 3 credits

#### **BIOL 3335 (BI 101 and 102) EMBRYOLOGY**

Descriptive and experimental study of the development of animals with emphasis on vertebrate development. Gametogenesis, fertilization, cleavage, gastrulation, organogenesis and mechanisms involved in control of shaping, pattern and gene expression during devel-

## DEPARTMENT OF CHEMISTRY

opment. Laboratory experiments using living and sectioned embryos. Three hours lecture and four hours laboratory per week. 4 credits

### BIOL 3351 (BI 246) PLANT MORPHOLOGY AND TAXONOMY

Prerequisite: CHEM 1123

Structure, development and reproduction of representatives of major plant groups: algae, fungi, mosses, vascular plants. Principles of classification with emphasis on seed plants. Three hours lecture, three hours laboratory per week. Offered in alternate years. 4 credits

### BIOL 3352 (BI 256) PLANT PHYSIOLOGY

Prerequisite: CHEM 2312, or permission of instructor

Normal and pathological aspects of plant growth and development including the areas of photosynthesis, hormone regulation, respiration, nutrition, flowering and cell wall chemistry. Applications in agriculture, forestry, gardening and greenhouse work. Three hours lecture, four hours laboratory per week. Offered in alternate years. 4 credits

### BIOL 3411 (BI 107) MICROBIOLOGY

Prerequisite: CHEM 2312

Microbiological theories, methods and techniques: comprehensive background in the structure, physiology, and nomenclature of bacteria, yeast and fungi. Laboratory techniques used for the isolation, staining, culturing and identification of a variety of microorganisms. Three hours lecture, four hours laboratory per week. 4 credits

### BIOL 3894 JJ CO-OP I (See Co-op Adviser)

BIOL 3895 JJ CO-OP II (See Co-op Adviser)

BIOL 3896 JJ CO-OP III (See Co-op Adviser)

For description, see page 31, 56 or 169. 3 credits

### BIOL 4186 (BI 299) BIOLOGY HONORS:

#### SENIOR THESIS

Laboratory and library research carried out previously are the basis for an extensive written report. The thesis must be completed in order for all biology honors credits to be included in the 32 biology credits required in the major. 1 credit

### BIOL 4431 (BI 262) MICROBIAL GENETICS

Prerequisites: BIOL 2211 or BIOL 3411

Fundamental principles. Aspects of production and selection of microbial mutants. Classic mechanisms of microbial recombination including transformation, transduction, and conjugation and recombinant DNA technology as it relates to micro organisms. Three hours lecture. 3 credits

### BIOL 4197 SENIOR BIOLOGY SEMINAR

Seminars and discussions designed to integrate readings of the current biology literature with both written and oral presentation. Specific goals include: acquiring skills in gathering and analysis of biological information, developing confidence and expertise in presenting biology through writing and speaking, formulating a critical method of evaluating and discussing biology. In addition this seminar will be coordinated with the department's outcome assessment. For senior biology students only. 1 credit

**Professors:** Ander, Augustine (*Chairperson*); Celiano; Cline Love; J. Hirsch; Huchital; McGuinness

**Associate Professors:** Maloy; Grayeski; Petersheim; Sheardy

**Assistant Professors:** Cheng; Murphy; Zucker

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The Department of Chemistry offers programs leading to the degrees Bachelor of Science, Master of Science and Doctor of Philosophy.

For undergraduate students majoring in chemistry—whether preparing for graduate studies, teaching, industry, medicine, dentistry or the allied health professions—the curriculum includes a rigorous study of the laws, principles and theories applied in the various branches of chemistry, and develops laboratory skills in methods of analysis, synthesis and instrumentation.

The B.S. (ACS) degree program is approved by the Committee on Professional Training of the American Chemical Society.

## Honors Program

The Honors Program in chemistry for students of exceptional ability includes seminars and preparation of a review article in sophomore and junior years. Each student prepares a senior thesis based on original research and works closely with a faculty member on a tutorial basis.

## Major Programs

In addition to meeting the standards and requirements of the College of Arts and Sciences, a degree candidate must complete a minimum of 71 credits in chemistry and allied fields. In general, required courses will be taken in the order listed. However, each student's program is designed in consultation with the student's faculty adviser, who



may modify the program in view of the student's background and objectives.

There are two distinct undergraduate programs in chemistry, both leading to the B.S. degree. The first leads to an American Chemical Society-certified B.S. degree. The second, a non-ACS-certified program, allows the student more flexibility. Since fewer chemistry courses are required, the student in the second program can also concentrate on a second field, such as biology, computer science, or business administration, or can take a greater variety of liberal arts courses. However, this degree is not intended for the student planning to do graduate work in chemistry.

### Five-Year Double Degree Program

This program, ideal for technically-oriented students, is conducted jointly with the New Jersey Institute of Technology (NJIT) and leads to a B.S. degree in chemistry from Seton Hall University and a B.S. degree in chemical engineering from NJIT. Students spend three years at Seton Hall and two years at NJIT.

### Minor Program

The election of a minor is an option; it is not a requirement for the baccalaureate degree. A student's minor program is scheduled and approved by an adviser

in the minor department and comprises a minimum of 22 credits.

Depth in a particular area should be demonstrated within the minor courses.

To insure sufficient breadth and depth in the minor in chemistry, the department recommends completion of freshman and sophomore level courses plus some junior level courses.

The minor in chemistry requires the following:

I. Two semesters of General Chemistry		Credits
CHEM 1103		4
and		
CHEM 1104		4
or		
CHEM 1107		5
and		
CHEM 1108		4
II. Two semesters of Organic Chemistry		
CHEM 2311		4
and		
CHEM 2312		4
or		
CHEM 2313		5
and		
CHEM 2314		5
III. Two additional semester courses with catalog numbers above CHEM (2000) not mutually exclusive or listed above		<u>6</u>
Minimum credits required		22

### Department Requirements B.S. in Chemistry (ACS)

	Credits
<b>Freshman</b>	
CHEM 1107-1108	Principles of Chemistry I & II
MATH 1401-1411	Calculus I & II*
<b>Sophomore</b>	
CHEM 2313-2314	Organic Chemistry I & II
PHYS 1705-1706	Principles of Physics I & II
PHYS 1815-1816	Physics Laboratory I & II
MATH 2411	Calculus III
PHYS 2112	Physical Applications of Mathematical Techniques
<b>Junior</b>	
CHEM 2215	Analytical Chemistry I
CHEM 3411-3412	Physical Chemistry I & II
CHEM 4413	Physical-Inorganic Chemistry Laboratory I
CHEM 3611	Inorganic Chemistry

SETON HALL UNIVERSITY

<b>Senior</b>		
CHEM 2216	Analytical Chemistry II	4
CHEM 4414	Physical-Inorganic Chemistry Laboratory II	2
CHEM	Elective courses in chemistry	minimum 6

**B.S. in Chemistry (Non-ACS)**

<b>Freshman</b>		
CHEM 1103-1104	General Chemistry I & II <i>or</i>	8
CHEM 1107-1108	Principles of Chemistry I & II	9
MATH 1401-1411*	Calculus I & II	8

<b>Sophomore</b>		
CHEM 2311-2312	Organic Chemistry I & II <i>or</i>	8
CHEM 2313-2314	Organic Chemistry I & II	10
PHYS 1701-1702	General Physics I & II <i>or</i>	6
PHYS 1705-1706	Principles of Physics I & II	6
PHYS 1811-1812	Physics Laboratory I & II <i>or</i>	2
PHYS 1815-1816	Physics Laboratory I & II	3

<b>Junior</b>		
CHEM 2214	Quantitative Analytical Chemistry <i>or</i>	4
CHEM 2215	Analytical Chemistry I	4
CHEM 3418†	Physical Chemistry	3

<b>Senior</b>		
	Electives from the following	required 6
CHEM 2216	Analytical Chemistry II	4
CHEM 3611	Inorganic Chemistry	3
CHEM 6501	General Biochemistry I	3
CHEM 4891-4892	Chemistry Research	maximum 4
	Electives from the following	required 8
BIOL	(above 1202)	
CHEM	Selected from graduate courses or from electives listed above (not to be counted twice)	
CSAS	(above 1111)	
MATH	(above 1411)	
PHYS	(above 1812)	

**All chemistry majors are encouraged to complete a language through the intermediate level to meet requirements of the core curriculum. Chemistry majors in the ACS program should select German, French or Russian.**

\*Students lacking high school trigonometry or making unsatisfactory scores on the Mathematics Placement Test take MATH 1015 Pre-Calculus Mathematics-Algebra and Trigonometry and MATH 1401 Calculus I in the freshman year and MATH 1411 Calculus II in the following summer session.

†CHEM 3411 is not acceptable in place of CHEM 3418. However, CHEM 3411-3412 may be used in place of CHEM 3418 and one senior chemistry elective.

## Course Descriptions

Laboratory breakage fees are non-refundable.

Successful completion of the New Jersey Basic Skills Computation and Algebra Tests, or completion of equivalent tests administered by the Seton Hall University mathematics department, is prerequisite to all courses listed below.

### **CHEM 1001 (CH 6) CHEMISTRY IN THE WORLD AROUND US—AN INVESTIGATIVE APPROACH** (For non-science students)

For students with no science background. Examination of the substances encountered in daily life, including common drugs, food, household chemicals, gasoline, paints, plastics, and other consumer products. 3 credits

### **CHEM 1011 (CH 10) PREPARATORY COLLEGE CHEMISTRY**

For students with no previous coursework in chemistry, or an inadequate background for college chemistry. Prepares students for college level chemistry courses required for nursing and science majors. 3 credits

### **CHEM 1101-1102 (CH 11-12) ELEMENTS OF CHEMISTRY I & II**

(Not for science majors or pre-medical/pre-dental students)

Fundamental chemistry. Emphasis on the principles of biochemistry that contribute to health and disease. Three hours lecture, three hours laboratory per week. 8 credits

### **CHEM 1103-1104 (CH 13-14) GENERAL CHEMISTRY I & II**

Introduction to the principles of chemistry, not principally for chemistry majors. Three hours lecture, four hours laboratory and recitation per week. Lab breakage fee \$10.00. 8 credits

### **CHEM 1107-1108 (CH 17-18) PRINCIPLES OF CHEMISTRY I & II**

Development of the principles of chemistry, principally for chemistry and physics majors. Part I: four hours lecture, four hours laboratory per week. Part II: three hours lecture, four hours laboratory per week. Laboratory work includes inorganic qualitative analysis. Lab breakage fee \$10.00. 9 credits

### **CHEM 2214 (CH 29) QUANTITATIVE ANALYTICAL CHEMISTRY**

Quantitative chemical analysis with an emphasis on bioanalytical applications. Intended to acquaint students with fundamental aspects of solution chemistry and to introduce students to elementary instrumental methods employing electrochemistry, spectroscopy and chromatography. Two hours lecture, six hours laboratory each week. Lab breakage fee \$10.00. 4 credits

### **CHEM 2215 (CH 25) ANALYTICAL CHEMISTRY I**

A fundamental course for physical science majors on the classical methods of analysis. Topics include titrimetry, gravimetry, spectro-

photometry, potentiometry, separations, sampling and statistics. Two hours lecture, eight hours laboratory per week. Lab breakage fee \$10.00. 4 credits

### **CHEM 2216 (CH 26) INSTRUMENTAL ANALYSIS**

Prerequisite: CHEM 2215 or permission of instructor

Theory and practice of modern instrumental methods. Emphasis on the principles of instrumentation. Three hours lecture, four hours laboratory per week. Lab breakage fee \$10.00. 4 credits

### **CHEM 2311-2312 (CH 31-32) ORGANIC CHEMISTRY I & II**

Prerequisite: CHEM 1104 or CHEM 1108

Principal classes of aliphatic and aromatic compounds. Reactions, mechanisms, and synthesis involving simple organic and biochemical molecules. Three hours lecture, four hours laboratory per week. Lab breakage fee \$10.00. 8 credits

### **CHEM 2313-2314 (CH 33-34) ORGANIC CHEMISTRY I & II**

(For students majoring in chemistry)

Prerequisite: CHEM 1104 or CHEM 1108

Principal classes of aliphatic and aromatic compounds. Emphasis on structural theory, reaction mechanisms, organic syntheses. Experimental work emphasizes basic organic laboratory techniques and includes an introduction to qualitative organic analysis. Three hours lecture, six hours laboratory and recitation per week. Lab breakage fee \$10.00. 10 credits

### **CHEM 3411-3412 (CH 41-41) PHYSICAL CHEMISTRY I & II**

Prerequisites: PHYS 1702 OR PHYS 1706; PHYS 2112 OR MATH 2512

Kinetic theory of gases. The laws of thermodynamics and their applications to ideal and real gases, liquids, mixtures and solutions. Rates of reactions and their theoretical interpretations. Application of elementary quantum chemistry to atomic and molecular structure. 6 credits

### **CHEM 4413-4414 (CH 43-44) PHYSICAL-INORGANIC CHEMISTRY LABORATORY I & II**

Prerequisite: CHEM 3411

One year course. CHEM 4413 immediately follows completion of CHEM 3411. Laboratory includes preparation and study of representative materials by physico-chemical methods. Data handling by computer techniques emphasized. Six hours laboratory per week. Lab breakage fee \$10.00. 4 credits

### **CHEM 3418 (CH 48) PHYSICAL CHEMISTRY FOR THE BIOLOGICAL SCIENCES**

(For non-ACS students)

Prerequisites: CHEM 2312 or CHEM 2314; MATH 1411; PHYS 1701 or PHYS 1705  
Pre- or Corequisite: PHYS 1702 or PHYS 1706

Concepts and applications to biological processes of the following: electrical and optical

properties of molecules, intermolecular interactions, gas laws, chemical thermodynamics, rates and mechanisms of chemical reactions. Three hours lecture. 3 credits

**CHEM 3611 (CH 49) INORGANIC CHEMISTRY**

Pre- or Corequisite: CHEM 2312 or CHEM 2314

Periodic properties of the elements, their comparative group characteristics and structure of some of their compounds. Introduction to transition metal and organometallic chemistry. 3 credits

**CHEM 3428 (CH 248) PHYSICAL CHEMISTRY FOR THE BIOLOGICAL SCIENCES**

(For graduate students majoring in biology)  
Prerequisites: CHEM 2312 or CHEM 2314, MATH 1411, PHYS 1701  
Pre- or Corequisite: PHYS 1702

Concepts and application to biological processes of the following: electrical and optical properties of molecules, intermolecular interactions; gas laws, chemical thermodynamics, rates and mechanisms of chemical reactions. Three hours of lecture. 3 credits

**CHEM 2781 (CH 280) CHEMISTRY HONORS I**

Seminars and discussions in biochemistry and organic chemistry under the direction of the sophomore honors faculty moderator. Each honors student must deliver one seminar. Seminars are intended to train the honors student in independent searching of the chemical literature, organization and presentation of a technical talk, and leadership in discussion. One hour per week. 1 credit

**CHEM 3781 (CH 281) CHEMISTRY HONORS II**

Faculty and student seminars and discussions in analytical, inorganic and physical chemistry under the direction of the junior honors faculty moderator. Each honors student must deliver one seminar. One hour per week. 1 credit

**CHEM 3782 (CH 282) CHEMISTRY HONORS III**

Independent library research culminating in the preparation of a review article. The student works closely with a faculty member on a tutorial basis. 1 credit

**CHEM 4891-4894 (CH 291-294) CHEMISTRY RESEARCH**

(For students majoring in chemistry)  
Introduction to methods of original investigation. Individual laboratory research problems, conferences library research. Enrollment limited. 2-8 credits

**Juniors and seniors may select from the following graduate courses offered by the Department. For course descriptions refer to the course titles in the Graduate Bulletin.**

**CHEM 4111 INTRODUCTION TO CHEMICAL DATA**

- CHEM 4201 SURVEY OF ANALYTICAL CHEMISTRY**
- CHEM 4203 ELECTROCHEMICAL METHODS OF ANALYSIS**
- CHEM 4204 SPECTROCHEMICAL METHODS OF ANALYSIS**
- CHEM 4205 MODERN SEPARATION TECHNIQUES**
- CHEM 4206 CHEMICAL METHODS OF ANALYSIS**
- CHEM 4212 STATISTICS AND APPLIED ANALYTICAL CHEMISTRY**
- CHEM 4301 THEORETICAL ORGANIC CHEMISTRY I**
- CHEM 4303 SYNTHETIC ORGANIC CHEMISTRY**
- CHEM 4401 CHEMICAL THERMODYNAMICS**
- CHEM 4402 CHEMICAL KINETICS**
- CHEM 4403 ATOMIC AND MOLECULAR STRUCTURE**
- CHEM 4411 INTRODUCTION TO POLYMER CHEMISTRY**
- CHEM 4501 GENERAL BIOCHEMISTRY I**
- CHEM 4601 ADVANCED INORGANIC CHEMISTRY**
- CHEM 4312 THEORETICAL ORGANIC CHEMISTRY II**
- CHEM 4512 GENERAL BIOCHEMISTRY II**
- CHEM 4515 PROTEINS**
- CHEM 4516 ENZYMES**
- CHEM 4517 CELL CHEMISTRY**
- CHEM 4614 KINETICS AND MECHANISMS OF INORGANIC REACTIONS**
- CHEM 4618 PHYSICAL METHODS IN INORGANIC CHEMISTRY**

## DEPARTMENT OF CLASSICAL STUDIES

**Assistant Professors:** Cotter (Chairperson); Britton

The Department of Classical Studies offers a variety of courses which bring students more fully into contact with the roots of their culture. Students gain an awareness and appreciation of the continuity of Western thought by studying the historical, literary, linguistic and religious elements of Greece and Rome. The department approaches this study through its two concentrations: language and culture.

The courses in the department are primarily designed for classics majors, but are recommended also for literature, art, philosophy, political science and history students. In addition to transmitting knowledge of ancient language and culture, classes serve to promote students' personal development. They are designed to apply to life rather than simply to career.

## Major Program

In addition to meeting the standards and requirements of the College of Arts and Science, degree candidates must complete a minimum of 36 credits in

classical studies; at least 18 credits must be in language. All programs are worked out in consultation with a department adviser who may modify the program in view of the student's background and objectives.

## Teacher Certification

Students who wish to obtain New Jersey State certification to teach Latin at the secondary school level can design a course of study with the chairperson of the Department of Classical Studies in consultation with the chairperson of the Department of Secondary Education.

## Minor Programs

### I. Latin (18 credits minimum)

	Credits
LATN 1101-1102 Elementary Latin I & II	6
LATN 2101-2102 Intermediate Latin I & II	6
At least 6 credits in <i>advanced</i> Latin: courses numbered LATN 3111-3140	6

Students entering college with intermediate or advance competency in Latin may substitute 6 to 12 credits of *advanced* Latin course for LATN 1101-1102 and/or LATN 2101-2102 per departmental placement.

### II. Classical Culture (18 credits minimum)

CLAS 2317 Classical Mythology

15 additional credits with at least 3 credits in **each** of the following three categories

- (A) CLAS 1311 Greek Archaeology  
       or  
       CLAS 1312 Roman Archaeology
- (B) CLAS 2319 Ancient Greek Civilization  
       or  
       CLAS 2320 Roman History
- (C) CLAS 2301 Classical Epic  
       CLAS 2302 Greek & Roman Drama  
       CLAS 2303 Politicians in Antiquity  
       CLAS 2304 Historians of Greece and Rome  
       CLAS 2316 Greek & Latin Poetry  
       CLAS 2318 Classical Myth & Modern Drama  
       CLAS 2322 Women in Antiquity

The prerequisites for CLAS courses numbering from CLAS 2301 through CLAS 2322 are ENGL 1201-1202.

III. Archaeology (18 credits minimum)

Course of study designed in cooperation with Departments of Religious Studies and Sociology/Anthropology. See pages 132 and 139 for more information.

## Course Descriptions

### Latin

**LATN 1101-1102 (CL 1-2) ELEMENTARY**

**LATIN I and II**

Introduction to the basics of the language through reading short narratives in Latin. Emphasis on building a better understanding of English grammar and vocabulary through Latin, with some discussion of the history and culture of ancient Rome. 6 credits

**LATN 2101 (CL 101) INTERMEDIATE**

**LATIN I**

Prerequisite: LATN 1102 or equivalent

Continuation of the basics of reading Latin. 3 credits

**LATN 2102 (CL 102) INTERMEDIATE**

**LATIN II**

Prerequisite: LATN 2101 or equivalent

A brief survey of some of the best-loved Latin authors: Catullus, Ovid, Vergil, Horace and adaptations of Pliny, Tacitus and Petronius. 3 credits

**LATN 3111 (CL 103) LATIN PROSE**

**COMPOSITION**

Prerequisite: LATN 2102

Systematic study of Latin syntax and style with intensive practice in translation from English to Latin. 3 credits

**LATN 3112 (CL 105) LIVY AND SALLUST**

Prerequisite: LATN 2102

Selected reading from Livy's *Ab urbe condita* and Sallust's *De coniuratione Catilinae*. A study of their style, composition, sources and character. 3 credits

**LATN 3114 (CL 111) OVID**

Prerequisite: LATN 2102

Selected readings. Exploration of content, motives, structure and influence. 3 credits

**LATN 3115 (CL 115) CATULLUS, TIBULLUS AND PROPERTIUS**

Prerequisite: LATN 2102

Study of selected poems and their influence on English poetry. 3 credits

**LATN 3117 (CL 117) ROMAN COMEDY**

Prerequisite: LATN 2102

Selected readings from Plautus and Terence. Exploration of plot, characters and staging of the plays. 3 credits

**LATN 3119 (CL 119) LUCRETIIUS**

Prerequisite: LATN 2102

Readings of selections from Lucretius' *De rerum natura*. Study of style and composition of his poetry and of Epicurean philosophy in Greece and Rome. 3 credits

**LATN 3120 (CL 120) VERGIL'S AENEID**

Prerequisite: LATN 2102

Selected readings from Vergil's *Aeneid*. Study of his narrative art, style, composition and meter. 3 credits

**LATN 3121 (CL 121) VERGIL'S ECGLOGUES AND GEORGICS**

Prerequisite: LATN 2102

Extensive readings from the *Eclogues* and *Georgics*. Study of the motives, forms, sources and techniques. 3 credits

**LATN 3122 (CL 122) ROMAN SATIRE**

Prerequisite: LATN 2102

Selections from Juvenal, Petronius, Martial, and Horace. Study of their literary and linguistic features and their interrelationships. 3 credits

**LATN 3125 (CL 125) CICERO'S ORATIONS**

Prerequisite: LATN 2102

Readings of selected orations. Study of their structure, style, composition and rhetorical techniques. 3 credits

**LATN 3126 (CL 126) CICERO'S PHILOSOPHY**

Prerequisite: LATN 2102

Selected readings and analyses of Cicero's philosophical treatises. 3 credits

**LATN 3131 (CL 131) TACITUS**

Prerequisite: LATN 2102

Selected reading from the *Annals* and *Histories*. Study of the style, composition and character of the histories. 3 credits

**LATN 3140 (CL 140) HORACE**

Prerequisite: LATN 2102

Readings from selected works. Study of structure, composition, metrical forms and influences. 3 credits

### Greek

**GREK 1205-1206 (CL 5-6) ELEMENTARY**

**GREEK I & II**

Introduction to the ancient Greek language, using excerpts of the "Cyclops" episode from Homer's *Odyssey*. 6 credits

**GREK 2205-2206 (CL 150-151)**

**INTERMEDIATE GREEK I & II**

Prerequisite: GREK 1206 or equivalent

Extensive reading in Homer's *Iliad* and *Odyssey*. Study of historical, stylistic and textual problems in the Homeric poems. 6 credits

**GREK 2207-2208 (CL 175-176) NEW TESTAMENT GREEK**

Prerequisite: GREK 1206 or equivalent

Grammar and vocabulary of New Testament (Koine) Greek; selected readings from the Gospels, the Acts of the Apostles, the letters of Paul and the literature of the Apostolic Fathers. 6 credits

**GREK 3252 (CL 152) HERODOTUS**

Prerequisite: GREK 2206

Selected readings from the *History* of Herodotus. Study of his style, language, composition and historical value. 3 credits

**GREK 3253 (CL 151) PLATO**

Prerequisite: GREK 2206

Extensive readings of the Socratic dialogues as an introduction to Platonic thought and influence. 3 credits

**GREK 3254 (CL 162) ATTIC ORATORS**

Prerequisite: GREK 2206

Selected readings from famous Attic orators. Study of their styles, methods of composition, rhetorical forms and political ideas. 3 credits

**GREK 3262 (CL 158) GREEK DRAMA**

Prerequisite: GREK 2206

Selected readings from Aeschylus, Sophocles, Euripides and Aristophanes. Emphasis on the language, meters and interpretation of the plays. 3 credits

**GREK 3263 (CL 167) THUCYDIDES**

Prerequisite: GREK 2206

Selected readings from the *History of the Peloponnesian War*. Study of Thucydides' methods of writing, thought, style and language. 3 credits

**GREK 3264 (CL 170) ARISTOTLE**

Prerequisite: GREK 2206

Extensive study of Aristotle and his philosophy. Selected readings from the *Athenian Constitution*, *Eudemian Ethics*, and *Nicomachean Ethics*. 3 credits

**Culture: In Translation**

**CLAS 1311 (CL 201) ARCHAEOLOGY OF GREECE**

History and culture of ancient Greece in light of archaeological discoveries. Basic archaeological terminology and principles. Illustrated with color slides. 3 credits

**CLAS 1312 (CL 202) ARCHAEOLOGY OF ROME**

History of Rome and its empire seen through its architectural and artistic legacy down to the time of Constantine, including a study of Peter's tomb, the catacombs and the art of the early Church. Illustrated with color slides. 3 credits

**CLAS 1313 (CL 209) (ENGL 1611) GREEK AND LATIN IN THE ENGLISH LANGUAGE**

Vocabulary course which examines the dependence of English on Latin and Greek for prefixes, suffixes and roots of words. Exercises in word recognition and in amplifying English vocabulary. 3 credits

**CLAS 1314 (CL 208) LATIN AND GREEK ROOTS OF SCIENTIFIC TERMINOLOGY**

Vocabulary course emphasizing the influence of classical languages in all fields of science. 3 credits

**CLAS 2301 (CL 211) THE CLASSICAL EPIC**

Prerequisite: ENGL 1201-1202

Selected readings and analysis of Homer's and Vergil's epics and their influence upon subsequent literature. 3 credits

**CLAS 2302 (CL 212) GREEK AND ROMAN DRAMA**

Prerequisite: ENGL 1201-1202

Readings and analyses of selected Greek and Roman plays. Study of their origin, character, composition and production. 3 credits

**CLAS 2303 (CL 219) POLITICIANS IN ANTIQUITY**

Prerequisite: ENGL 1201-1202

Readings from the political orations of the Attic orators, Demosthenes, and Cicero. Analyses of their rhetorical techniques and effectiveness. 3 credits

**CLAS 2304 (CL 220) (HIST 2183) HISTORIANS OF GREECE AND ROME**

Prerequisite: ENGL 1201-1202

Selected readings and interpretation of Greek and Roman historiography. Social and political character of ancient historiography as well as the historical criticism and viewpoint of each author. 3 credits

**CLAS 2316 (CL 213) GREEK AND LATIN POETRY**

Prerequisite: ENGL 1201-1202

Reading and interpretation of selected Greek and Roman lyric poets: Sappho, Solon, Theocritus, Catullus, Propertius and others. 3 credits

**CLAS 2317 (CL 214) (ENGL 2612)**

**CLASSICAL MYTHOLOGY**

Prerequisite: ENGL 1201-1202

Study of the gods, heroes and legends of the Greek and Roman peoples. The content, meaning and function of "myths" and their influences upon literature and art. 3 credits

**CLAS 2318 (CL 205) CLASSICAL MYTH AND MODERN DRAMA**

Prerequisite: ENGL 1201-1202

Study of modern adaptations of classical mythological themes in literature and film. Readings from Ovid, Sophocles, Anouil, Cocteau and Brecht. 3 credits

**CLAS 2319 (CL 255) (HIST 2220) ANCIENT GREEK CIVILIZATION**

Prerequisite: ENGL 2101-2102

Rise of Hellenic culture from its genesis in the Aegean Bronze Age, the major interactions of the city-state in the sixth and seventh centuries, the Classical period and its decline. 3 credits

**CLAS 2320 (CL 256) (HIST 2221) ROMAN CIVILIZATION**

Prerequisite: ENGL

Investigation of the tension between individual liberty and the traditional power of state and society and of the political and social

institutions which maintain social cohesion in a complex society. 3 credits

**CLAS 2322 (CL 236) (HIST 2170) WOMEN IN ANTIQUITY**

Prerequisite: ENGL 1201-1202

Inquiry into the social, political and legal status of women in ancient Greece and Rome. 3 credits

**CLAS 3391-3395 (CL 260-291)**

**INDEPENDENT STUDIES**

Advanced students in classical studies may, with the permission of the department and under an advisor, continue research in a particular area. 1-3 credits

## DEPARTMENT OF COMMUNICATION

**Professors:** Allen; McGlone

**Associate Professors:** Freeman; Hoffman; McKenna (*Chairperson*); Rathbun; Sharrett

**Assistant Professors:** Cheslik; Mahon; Reader; Zizik

**Faculty Associates:** Collazo; Karle (*Co-op Adviser*); Rosenblum

**Instructors:** Gottlieb; McBride; Ortega; Plummer

This major appeals to students who wish to pursue creative careers in television, radio, film, journalism, public relations, advertising, communication graphics or theater; and to students who wish to explore the history, aesthetics and critical aspects of those media.

The department faculty consists of media scholars and experienced media professionals. Each preprofessional program in the department's curriculum is fully supported by up-to-date production facilities.

In their senior and junior years, qualified majors may do internships or co-ops in entry-level positions at professional organizations in their respective fields.

Communication majors also participate in a broad range of media-related co-curricular activities: the Theatre-in-the-Round; the *Setonian*, the weekly student newspaper; *Comment*, the department's magazine on the media; the *Galleon Yearbook*; the Brownson Speech and Debate Union; the Public Relations Society of America student chapter; Alpha Epsilon Rho, a national broadcasting society; WICI (Women in Communications); workshops in film, television and theater; and WSOU-FM, the University's FCC-licensed radio station (see p. 37 for more information).

### Major Program

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete the communication program of 39 credits as outlined below. The chairman may modify the program in view of a transfer candidate's academic background.

Some general courses are required of all majors, but, in consultation with an adviser, the student's elective program is chosen according to interests and needs.

Communications majors are required to take the following courses for the core curriculum of the College of Arts and Sciences:

**Philosophy and Religious Studies (Core Section G)**

PHIL 1101 Introduction to Philosophy  
PHIL 1104 Logic

**Western Civilization (Core Section E)**

ARTH 1101 Art of the Western World I  
ENGL 2101 Great Books of the Western World I  
HIST 1201 Western Civilization I



**Two of the following:**

- MUHI 1102 Music and Civilization  
 ENGL 2102 Great Books of the Western World II  
 HIST 1202 Western Civilization II

(Students taking appropriate minors may have up to nine of the above 15 credits in Core Section E waived, at the discretion of the chairperson.)

**Department Requirements**

	Credits
COST 1600 Oral Communication	3
COTC 1131 Mass Communication	3
COTC 2133 Ethics & Laws of Broadcasting, or	
COTC 2132 Ethics & Laws of Journalism	3
Two of the following courses:	6
COJR 2431 American Journalism: The Growth of Free Expression	
COST 2631 Theatre History	
COBF 2231 Electronic Age in America	
COBF 2232 Evolution of the Film Art	
One of the following courses in the senior year:	3
COBF 5299 Comm. Research Radio/TV	
COJR 5499 Comm. Research Journalism	
COST 5699 Comm. Research Theatre/Film	
COTC 5199 Comm. Research Senior Thesis	

**Additional Courses in Communication (21 credits)**

Courses must be distributed between the following two groups of advanced courses:

**Group I (9 credits)**

- COBF 2211 The Development & Significance of Alternative Video Systems  
 COBF 2212 Introduction to Visual Theory and Technique  
 COBF 2213 Documentary Film  
 COBF 2215 Broadcast Programming and Management  
 COBF 3212 Contemporary Cinema  
 COBF 3214 Film Criticism  
 COTC 2131 Mass Communication II  
 COTC 2132 Ethics and Laws of Journalism  
 COTC 2133 Ethics and Laws of Broadcasting  
 COPA 2512 Public Relations I  
 COPA 2521 Newspaper Advertising  
 COPA 3521 Broadcast Advertising  
 COST 2610 The American Stage  
 COST 2611 The Irish Stage  
 COST 2612 Dramatic Theory and Criticism  
 COST 2613 The Meaning of Contemporary Theater  
 COST 2614 Biography and The Stage  
 COST 2615 Drama and Social Development  
 COST 2621 Introduction to the Theater  
 COST 3624 Children's Theatre

**Group II (12 credits)**

- COBF 2222 Television-Film Writing  
 COBF 2223 Introduction to Studio Television  
 COBF 3222 Introduction to Film Production  
 COBF 3223 Creative Studio Television Production  
 COBF 3224 Remote Television Production I  
 COBF 3225 Radio Programming and Production  
 COBF 4222 Creative Filmmaking

- COBF 4224 Remote Television Production II
- COGR 1321 Introduction to Desktop Publishing
- COGR 2320 Still Photography
- COGR 2321 Print Production/Typography I
- COGR 2322 Introduction to Computer Graphics
- COGR 3320 Advanced Photography
- COGR 3321 Print Production/Typography II
- COGR 3322 Advanced Computer Graphics & Animation
- COGR 3323 Presentation Graphics
- COGR 3324 Advanced Desktop Publishing and Electronic Design
- COJR 2421 News Writing
- COJR 3421 Advanced Reporting
- COJR 3423 Editorial and Column Writing
- COJR 3428 Publications Editing
- COJR 4424 Broadcast News
- COJR 3426 Magazine Writing
- COPA 3522 Public Relations II
- COST 2620 Oral Interpretation
- COST 2622 Group Discussion
- COST 2623 Persuasive Speaking
- COST 2624 Vocal Techniques
- COST 3620 Acting
- COST 3621 Directing
- COST 3622 Playwriting
- COST 3623 Lighting for Television, Theater and Film
- COST 3625 Scene Design

## Minor Program

Students who wish to enrich their understanding of the media in conjunction with another major program may enroll in the department's communication minor.

The communication minor consists of 18 credits:

	Credits
COTC 1131 (Mass Communication)	3
COTC 2132 (Ethics and Laws of Journalism)	
or	
COTC 2133 (Ethics and Laws of Broadcasting)	3
One of the following: COJR 2431, COST 2631, COBF 2232, COBF 2231	3
Three additional communication courses	9

Minors deal with specific subjects such as advertising, film, journalism, public relations, speech, theater, computer graphics, radio or television. A stu-

dent's minor program is developed with a department faculty adviser.

Communication majors are encouraged to take minors in other departments appropriate to their own interests.

Students with minors approved by the Department of Communication will have the additional 9 credits of Western Civilization required by the department waived.

## Course Descriptions

### General Communication Theory & Practice

#### COTC 1131 (CO 53) MASS COMMUNICATION

The development of the media as a social instrument from oral cultures through British Authoritarianism to the contemporary system. 3 credits

#### COTC 1132 (ANTH 1210) CULTURE AND COMMUNICATION

See ANTH 1210 for description (page 151). 3 credits

#### COTC 2132 (CO 127) ETHICS AND LAWS OF JOURNALISM

Critical evaluation, ethical practices and responsibility of the press. Legal problems

including libel, privacy, copyright and constitutional privileges. 3 credits

**COTC 2133 (CO 166) ETHICS AND LAWS OF BROADCASTING**

The Communications Act of 1934 (and amendments), F.C.C. rules and regulations, legal problems of broadcasting, and the ethical responsibilities of the media. 3 credits

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**COTC 3191 (CO 291) INDIVIDUAL RESEARCH** 1 credit

**COTC 3192 (CO 292) INDIVIDUAL RESEARCH** 2 credits

**COTC 3193 (CO 293) INDIVIDUAL RESEARCH**

(Open to senior majors only.)

Projects chosen according to the student's interest. Completed under the guidance of a faculty adviser, with the approval of the department chair. A maximum of 3 credits may be taken in individual research in one semester; none of these courses may be taken in the same semester as COTC 5199. 3 credits

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**COTC 3197 (CO 197) COMMUNICATION INTERNSHIP I**

**COTC 3198 (CO 198) COMMUNICATION INTERNSHIP II**

**COTC 4197 (CO 297) COMMUNICATION INTERNSHIP III**

**COTC 4198 (CO 298) COMMUNICATION INTERNSHIP IV**

(Open to selected seniors and juniors)

On-the-job education and experience in New Jersey and New York media organizations, under professional supervision. 3-12 credits

**COTC 3894 JJ Co-op I** (See Co-op Adviser)

**COTC 3895 JJ Co-op II** (See Co-op Adviser)

**COTC 3896 JJ Co-op III** (See Co-op Adviser)

For description, see page 31, 56 or 169. 3 credits

**COBF 5299 (CO 299) SENIOR SEMINAR — RADIO/TV**

**COJR 5499 (CO 299) SENIOR SEMINAR — JOURNALISM**

**COST 5699 (CO 299) SENIOR SEMINAR THEATRE/FILM**

**COTC 5199 (CO 299) SENIOR THESIS**

(Open to senior majors only)

Students select section to meet their needs.

Seminar sections: review of research in broadcasting, film, journalism or theater. Students engage in individual and/or group research projects.

Thesis section: tools and techniques of research. Each student completes an independent research project (thesis) in consultation with a faculty adviser. Individual research (COTC 3191-3192-3193) may not be taken in the same semester as COTC 5199. 3 credits

## **Broadcasting (Television and Radio) and Film**

(See COST, COTC and COGR for other appropriate courses)

**COBF 2211 (CO 82) THE DEVELOPMENT & SIGNIFICANCE OF ALTERNATIVE VIDEO SYSTEMS**

CATV from the community antenna systems of earlier decades to the current broadband communications services, VCR and other delivery systems. Today's economics, technology regulation and programming. 3 credits

**COBF 2212 (CO 174) INTRODUCTION TO VISUAL THEORY AND TECHNIQUE**

Lectures, discussions and screenings focus on the development of film expression, with emphasis on the narrative form. Among the practical exercises in super-8 filmmaking is the scripting and production of a brief narrative film. 3 credits

**COBF 2213 (CO 176) DOCUMENTARY FILM**

Survey of the history and critical aspects of the nonfiction film (including newsreel and experimental film) from the Lumières (1895-97) through the cinema vérité documentaries of today. Lecture, discussion, screenings. 3 credits

**COBF 2215 (CO 155) BROADCAST PROGRAMMING AND MANAGEMENT**

The study of the organization and management of commercial and public radio and television stations. Components include programming techniques, formats, FCC regulations, business practices, ratings and technical/engineering considerations. 3 credits

**COBF 2222 (CO 161) TELEVISION-FILM WRITING**

Principles and practices of screenplay writing with emphasis on cinematic values. Each student creates a half-hour screenplay. 3 credits

**COBF 2223 (CO 183) INTRODUCTION TO STUDIO TELEVISION**

Instruction in and practice regarding the TV production team, operation of studio and control room equipment, the television script, program formats, production elements and process. Lecture, discussion and program exercises in the studio. 3 credits

**COBF 2231 (CO 80) THE ELECTRONIC AGE IN AMERICA**

The development of the American system of broadcasting and its relation to political, social and economic conditions. Discussions include technological development, programming, network formation, economic support and the news function. 3 credits

**COBF 2232 (CO 60) EVOLUTION OF THE FILM ART**

Survey of the major contributions to the development of motion pictures. Lectures, screenings and critiques of cinematic works demonstrating the creative impetus given to filmmaking from the early narratives of Melies to the pre-World War II period. 3 credits

**COBF 3212 (CO 172) CONTEMPORARY CINEMA**

Prerequisite: COBF 2232

Survey of international cinema in the post-World War II period. Specific works by individual directors practicing in Europe, Japan, India and the United States studied in depth to ascertain their contribution to evolving patterns of cinematic expression. 3 credits

**COBF 3214 (CO 171) FILM CRITICISM**

Prerequisite: COBF 3212 or COBF 2232 or permission of instructor.

Screenings of a wide variety of films from 1930 to present serve as the basis for criticism written by students. The writing of various popular contemporary critics is evaluated in class discussions which examine questions of aesthetic criteria and the development of a style appropriate to the film critic's audience. 3 credits

**COBF 3222 (CO 175) INTRODUCTION TO FILM PRODUCTION**

Prerequisite: COBF 2212

Problems and techniques of motion picture production, including scripting, budgeting, cinematography, and sound and film editing. Students produce original film projects. 3 credits

**COBF 3223 (CO 184) CREATIVE STUDIO TELEVISION PRODUCTION**

Prerequisite: COBF 2223

Broadening and deepening of students' knowledge of studio techniques and processes, followed by the production of an original television program by each student, from concept to videotape recording. 3 credits

**COBF 3224 (CO 186) REMOTE TELEVISION PRODUCTION I**

Prerequisite: COBF 2223

Remote video equipment, shooting technique and videotape editing. Students progress through a series of introductory camera and editing exercises related to electronic field production and electronic news gathering. Lectures and demonstrations. 3 credits

**COBF 3225 (CO 156) RADIO PROGRAMMING AND PRODUCTION**

Prerequisite: COBF 2215

Various current programming philosophies as exemplified by local independent AM and FM station operators; problems in the management of local radio stations, and production techniques for studio and remote broadcasts. 3 credits

**COBF 4222 (CO 274) CREATIVE FILMMAKING**

Prerequisite: COBF 3222

Students study synchronous sound motion picture production techniques and form film production units to produce original 5-10 minute productions. 3 credits

**COBF 4224 (CO 286) REMOTE TELEVISION PRODUCTION II**

Prerequisite: COBF 3224

Second semester of remote video production. Lectures and projects focus on problems

encountered by producers and directors in the preparation, production and editing of longer video productions taped on location. Students are required to produce and direct their own video documentaries or dramas. 3 credits

**Communication Graphics**

(See COBF, COTC, COJR & COPA for other appropriate courses)

**COGR 1321 INTRODUCTION TO DESKTOP PUBLISHING**

Introduction to desktop publishing concepts, systems, hardware and software, with specific instruction in one desktop publishing program. Students will be qualified to produce publication-quality work in the Department's Apple Macintosh II laboratory. 1 credit

**COGR 2320 (CO 30) STILL PHOTOGRAPHY**

Development of visual expression through the use of the still camera. Fundamentals discussed and practiced include: optics, film emulsions, composition, lighting and dark-room technique, including developing, printing and enlarging. Students furnish their own 35mm cameras. 3 credits

**COGR 2321-3321 (CO 129, 131) PRINT PRODUCTION/TYPOGRAPHY I & II**

Practical aspects of preparing, planning and producing newspapers and magazines. Includes the fundamentals of typography, design, copy-fitting, practical layout problems, color usage, and the mechanics of printing production. 3-6 credits

**COGR 2322 (CO 132) INTRODUCTION TO COMPUTER GRAPHICS**

Introduction to the wide range of Computer Graphics applications in broadcasting, business, art and journalism. Students will learn computer graphics terminology, software and operations from an artist/manager/buyer perspective. No prior skill in computer programming is required. The course will include drawing pictures with use of a digitizing tablet, scanning in existing artwork and photographs for computer enhancement and manipulation of 3-D objects and type fonts. 3 credits

**COGR 3320 (CO 130) ADVANCED PHOTOGRAPHY**

Prerequisite: COGR 2320 or the equivalent.

Techniques of reporting with a camera. Handling typical news situations and advanced camera techniques. Assignments include detailed photo-essays and reporting problems. Students furnish their own 35mm cameras. 3 credits

**COGR 3322 (CO 136) ADVANCED COMPUTER GRAPHICS & ANIMATION**

Prerequisite: COGR 2322

Theory and practice of computer generated animation and business graphics. Students will produce computer generated slides and videotape animation. Classic examples of computer generated animation will be screened and discussed extensively. No prior programming skills required. 3 credits

**COGR 3323 PRESENTATION GRAPHICS**  
Introduction to the communication of information through visual symbols, including charts and graphics. Presentation, business and information graphics will be taught within the context of professional and ethical standards using professional computer systems and software. 3 credits

**COGR 3324 ADVANCED DESKTOP PUBLISHING & ELECTRONIC DESIGN**  
Advanced level print design course using electronic design techniques, including desktop publishing, scan-in art and photos, and the use of various computer systems and software. Introduction to electronic pre-press systems, integration of software and hardware. 3 credits

## **Journalism**

(See also COGR, COTC and COPA for other appropriate courses)

**COJR 2421 (CO 121) NEWS WRITING**  
Fundamentals of gathering and writing the news story. News of political, economic and social significance discussed. 3 credits

**COJR 2431 (CO 20) AMERICAN JOURNALISM: THE GROWTH OF FREE EXPRESSION**  
From Colonial to 20th-century America, improvements in technology. Development of the information and opinion functions of the newspaper from libertarianism to social responsibility. 3 credits

**COJR 3421 (CO 122) ADVANCED REPORTING**  
Prerequisite: COJR 2421  
Advanced news-gathering techniques and investigative reporting, as well as the function of news interpretation. Assessment of contemporary affairs through the interpretive news story, and feature story. 3 credits

**COJR 3423 (CO 124) EDITORIAL AND COLUMN WRITING**  
Prerequisite: COJR 2421  
Persuasion through engaging prose for newspapers and magazines. Students complete a wide variety of assignments, beginning with the editorial and ranging the full gamut of writing from the personal point of view. 3 credits

**COJR 3426 (CO 126) MAGAZINE WRITING**  
Prerequisite: COJR 2421  
While the course examines the U.S. magazine industry from various perspectives (design, editorial, production, management, sales, circulation), emphasis is placed on researching and writing a major feature story for publication. 3 credits

**COJR 3428 (CO 128) PUBLICATIONS EDITING**  
Prerequisite: COJR 2421  
Theory and practice of copy editing, page make-up and writing headlines. Preparation of the complete publication for printing. 3 credits

**COJR 4424 (CO 164) BROADCAST NEWS**  
Prerequisite COJR 2421

Writing and producing radio and television news. Ethics and responsibilities of broadcast journalism. Students work with newswire services and audio services to produce actual radio news, features and public affairs programs. Production work is affiliated with WSOU-FM and department television classes. 3 credits

## **Public Relations/Advertising**

(See COTC, COGR and COJR for other appropriate courses)

**COPA 2512 (CO 125) PUBLIC RELATIONS I**  
Introduction to the profession of public relations. Academic study of public relations principles and theories; tools and techniques; and ethical and professional standards. 3 credits

**COPA 2521 (CO 123) PRINT ADVERTISING**  
Introduction to print advertising mediums. Academic study of social and economic aspects as well as the ethics of print advertising. Principles of research; copywriting; and layout and design of advertisements for newspapers, magazines, and outdoor and direct mail. 3 credits

**COPA 3521 (CO 165) BROADCAST ADVERTISING**  
Methods of advertising employed in broadcast media: network, spot and local techniques. Advertising research. The roles of the F.T.C. and the F.C.C. 3 credits

**COPA 3522 (CO 135) PUBLIC RELATIONS II**  
Prerequisite: COPA 2512, COJR 2421  
Public relations in practice. Combines lecture and independent research/study. Emphasis on writing. Students develop complete communications program and study editorial services, media relations, creative services, events management and other aspects of the practice of public relations. 3 credits

## **Speech**

**COST 1600 (CO 10) ORAL COMMUNICATION**  
Broad study of the speaking and listening experience. Students perform and evaluate their skills. Voice and articulation and the organization and presentation of ideas. 3 credits

**COST 2620 (CO 11) ORAL INTERPRETATION**  
Prerequisite: COST 1600  
Art and development of techniques for the interpretation of prose, poetry and drama. 3 credits

**COST 2622 (CO 112) GROUP DISCUSSION**  
Prerequisite: COST 1600  
Effective management of and participation in formal and informal discussion groups whose goals are to investigate, evaluate, solve problems or make decisions. 3 credits

**COST 2623 (CO 113) PERSUASIVE SPEAKING**

Prerequisite: COST 1600

Art of inspiring, convincing, and actuating audiences through the use of ethical appeals, both logical and psychological. 3 credits

**COST 2624 (CO 115) VOCAL TECHNIQUES**

Prerequisite: COST 1600

Emphasis on the development of the speaking voice. Combination of the practical and theoretical to help the student develop a method for self-improvement. 3 credits

**Theater**

**COST 2610 (CO 144) THE AMERICAN STAGE**

Investigation of plays and theatrical conditions in America from the Hallams to the present regional theaters. The recurring themes and styles of American performers and playwrights. 3 credits

**COST 2611 (CO 145) THE IRISH STAGE**

Investigation of plays and players, playwrights and playhouses from Bouicault to Keane. Concentrates on the birth, growth and development of Dublin's Abbey Theatre. 3 credits

**COST 2612 (CO 146) DRAMATIC THEORY AND CRITICISM**

Chronological study of aesthetic theory as it relates to the theater. Problems of religious, political and social censorship. 3 credits

**COST 2613 (CO 149) THE MEANING OF CONTEMPORARY THEATER**

Early forms of the drama and how they relate to modern and contemporary theater; investigation of representative plays, particularly those of Strindberg, Ionesco, O'Neill, Beckett and Pinter among others. Discussions about the sociological implications of underground theater and other recent developments. 3 credits

**COST 2614 (CO 150) BIOGRAPHY AND THE STAGE**

Selections by great biographers on the art and science of biographical drama from Aristophanes to Anouih, accompanied by biographies of the same characters composed by leading published biographers. Students learn to evaluate the techniques of both forms and to judge the intentions and value of each. 3 credits

**COST 2615 (CO 151) DRAMA AND SOCIAL DEVELOPMENT**

Study of theoretical and practical drama, covering its educational significance in the whole growth of man—as an infant, as a school child, as a student and as part of the very process of living. 3 credits

**COST 2621 (CO 140) INTRODUCTION TO THE THEATER**

Investigation of theater as an experience, an immediate art whose meaning is grasped through an understanding of the encounter between those who create theater (performers, writers, directors, designers and technicians) and those who view it (members of the audience). 3 credits

**COST 2631 (CO 40) THEATER HISTORY**

Drama and its presentation from the Greek amphitheater to the modern stage. Theories and methods of drama; the players, theatrical conditions, dramatic criticism as it has affected theatrical performances. 3 credits

**COST 3620 (CO 141) ACTING**

Methods of building a character as described in the literature on acting. Exercises in vocal and physical control, observation, imagination, concentration and pace. Elementary stage technique and performance department. 3 credits

**COST 3621 (CO 142) DIRECTING**

Prerequisite: COST 2621

Methods of directing a play as described in the literature on play direction. Exercises in researching a play, casting, blocking the action, rehearsing, developing timing and pace, and coordinating all elements of a play. 3 credits

**COST 3622 (CO 143) PLAYWRITING**

Principles of dramatic composition, plot construction, characterization and dialogue are studied through a close, practical analysis of Aristotle's Poetics, as well as of classic plays. Each student writes a one-act play. 3 credits

**COST 3623 (CO 246) LIGHTING FOR TELEVISION, THEATER AND FILM**

Prerequisite: a minimum of one course in theater, TV, or film

Thorough grounding in light sources, instruments and their accessories, and theater and studio layouts. Special emphasis is given to lighting principles and dramatic interpretation in terms of lighting. Students design lighting and develop lighting plans for productions and/or scenes as class projects and outside assignments. 3 credits

**COST 3624 (CO 147) CHILDREN'S THEATER**

Prerequisite: COST 2621

Study of drama both with and for children. Students explore the fundamentals of young people's theater through the eyes of the director/teacher. Drama as a process of learning and as an artistic presentation on the stage. 3 credits

**COST 3625 (CO 148) SCENE DESIGN**

Introduction to the principles of modern stage design as influenced by its development in earlier periods: aesthetics, elements, technical. Students engage in design projects and lab assignments. 3 credits

# DEPARTMENT OF ENGLISH

**Professors:** Butrym; Byrnes; Lindroth; Rogers (*Graduate Adviser*); Winser (*Chairperson*)

**Associate Professors:** Auguste; Duff; Grieco (*Co-op Adviser*); MacPhee; McCoy

**Assistant Professors:** Carpentier; J.R. Harrington; Paris; Schur; Sweeney

**Faculty Associates:** Enright; Kremen; Wilkowski

## Major in English

The Department of English offers courses in English and American literature, linguistics and writing. Programs lead to the degree Bachelor of Arts.

Students majoring in English must complete a minimum of 45 credits in English (including College English I & II) in addition to meeting the requirements of the College of Arts and Sciences. In general, required courses are to be taken in the order listed. However, all programs are worked out in consultation with a department adviser, who may modify the program in view of the student's background and objectives.

### General Program Requirements

Students planning careers in teaching, writing, publishing, law, public relations, business or other areas may take the general program in English. The program offers electives in literary periods, authors, genres, writing and language.

		Credits
ENGL 1201-1202	College English I & II	6
ENGL 2101-2102	Great Books of the Western World I & II	6
ENGL	English Electives	30
ENGL 5011	English Seminar	<u>3</u>
		45

### Preprofessional Program Requirements

The preprofessional program in English aims to provide students with an understanding of the full variety and historical development of English and American literature. Students considering graduate work in English should follow this program.

		Credits
ENGL 1201-1202	College English I & II	6
ENGL 2101-2102	Great Books of the Western World I & II	6
ENGL 2103/2104	American Literature I or II	3

### Four Literary Period courses selected from the following:

ENGL 2211	Medieval Literature	
ENGL 2212	Renaissance Literature	
ENGL 2213	17th Century Literature	
ENGL 2214	18th Century Literature	
ENGL 2215	Romantic Literature	
ENGL 2216	Victorian Literature	
ENGL 2217	Modern British Literature	12
ENGL 2312	Shakespeare	3
ENGL	English Electives	12
ENGL 5011	English Seminar	<u>3</u>
		45

## Minor in English

In addition to meeting the requirements of the College of Arts and Sciences, students minoring in English must complete a minimum of 24 credits in English, including College English I & II.

Students are encouraged to declare the minor early enough in their undergraduate careers to meet the following requirements:

	Credits
A. One of the following sequences:	
ENGL 2101-2102 Great Books of the Western World I & II	
ENGL 2103-2104 American Literature I & II	
ENGL 2111-2112 English Literature I & II	6
B. One of the following courses:	
ENGL 2211 Medieval Literature	
ENGL 2212 Renaissance Literature	
ENGL 2213 17th Century Literature	
ENGL 2214 18th Century Literature	
ENGL 2215 Romantic Literature	
ENGL 2216 Victorian Literature	
ENGL 2217 Modern British Literature	3
C. One of the following courses:	
ENGL 2511, 2512 Creative Writing I or II	
ENGL 2514, 2515 Writing Workshop I or II	
ENGL 3511 Advanced Composition	3
D. ENGL 2312 Shakespeare	3
E. Elective. Any course at the 2000 or 3000 level listed in the English Department descriptions as "Other Courses in Poetry, Fiction, Drama and Literary Criticism."	3
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## Writing Certificate

The English department offers a certificate attesting to students' completion of four courses in writing beyond ENGL 1201 and 1202 with a cumulative grade of B or better. Students may take the following courses:

	Credits
ENGL 2511 or 2512 Creative Writing I or II	3
ENGL 2516 Linguistics and Modern Grammar	
or	
ENGL 2517 History of the English Language	3
ENGL 2514 or 2515 Writing Workshop I or II	
or	
ENGL 3511 Advanced Composition	3
ENGL Any course at the 2000 or 3000 level listed in the department course descriptions as "Writing and Language Courses."	3



## Poetry-in-the-Round

John R. Harrington, Director

A literary forum of readings and discussions providing students with the opportunity to meet such writers as Stephen Spender, Richard Eberhart, James Dickey, Richard Wilbur and others.

## Spirit: A Magazine of Poetry

David Rogers, Editor

Published by the English department since spring, 1969, the magazine offers poetry, essays and formal criticism by major American and international writers. Contributions by faculty and students are also considered.

## Teacher Certification

Students who wish to obtain New Jersey State certification to teach English at the secondary school level must complete a course of study in consultation with the chairperson of the Department of English and the chairperson of the Department of Educational Studies, College of Education and Human Services, and should register with both departments.

## The Writing Center

Located in the Academic Wing of the Immaculate Conception Seminary, the facilities of the Writing Center are available to all students, undergraduate and graduate, enrolled at Seton Hall University. Serving as a support system for the English Department, the Writing Center provides a range of services, including free consultation and tutorials. For further information see page 42.

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## Course Descriptions

### Introductory

#### ENGL 0011 (EN 1) ENGLISH SKILLS

A developmental writing program, designed to foster competence in composition, with specific emphasis on syntax, grammar and the mechanics, weekly tutorials.

3 credits (institutional\*)

#### ENGL 0013 (EN 3) READING SKILLS

A developmental course designed to foster competence in reading comprehension.

3 credits (institutional\*)

#### ENGL 0014 (EN 4) ENGLISH SKILLS (ESL)

For students learning English as a second language.

3 credits (institutional\*)

#### ENGL 1201 (EN 9) COLLEGE ENGLISH I

Prerequisite: satisfactory scores on the New Jersey College Basic Skills Test or ENGL 0011/0014

Structured exercises in writing and revising short essays based on themes suggested by representative readings in literature.

3 credits†

#### ENGL 1202 (EN 10) COLLEGE ENGLISH II

Prerequisite: ENGL 1201

Methods of library research and mechanics of format and language in the writing of longer papers; based on selected texts, both imaginative and discursive.

3 credits

#### ENGL 1204 (EN 9) ENGLISH COMPOSITION

For foreign language students.

3 credits

#### ENGL 2011 (EN 11) THE SHORT STORY

Representative fiction by American, British and continental authors.

3 credits

#### ENGL 2012 (EN 12) THE ESSAY

Classic and contemporary selections to illustrate the power and vitality of creative nonfiction prose.

3 credits

#### ENGL 2013 (EN 13) THE DRAMA

Representative plays of the Western theater, from Sophocles to Albee.

3 credits

#### ENGL 2014 (EN 14) POETRY

A survey of British and American poetry, from the medieval ballad to Auden.

3 credits

\*Not for credit toward graduation

†May be waived by chairman for the student who demonstrates superior writing skills

*ENGL 1202 is a prerequisite for all of the following English courses:*

### Surveys

#### ENGL 2101 (EN 41) GREAT BOOKS OF THE WESTERN WORLD I

Traditional Western literature from Homer to Cervantes.

3 credits

#### ENGL 2102 (EN 42) GREAT BOOKS OF THE WESTERN WORLD II

Traditional Western literature from Moli:AGere to Joyce.

3 credits

**ENGL 2103 (EN 49) AMERICAN LITERATURE I**  
Readings of American authors from the Colonial period to the Civil War. 3 credits

**ENGL 2104 (EN 50) AMERICAN LITERATURE II**  
Readings of American authors from the Civil War to the present. 3 credits

**ENGL 2111 (EN 47) ENGLISH LITERATURE I**  
An introduction to the periods of English literature: from *Beowulf* to the Romantics. 3 credits

**ENGL 2112 (EN 48) ENGLISH LITERATURE II**  
An introduction to the periods of English literature: from the Romantics to the present. 3 credits

**Periods**

**ENGL 2211 (EN 141) MEDIEVAL LITERATURE**  
Old and Middle English literature from *Beowulf* to Chaucer. 3 credits

**ENGL 2212 (EN 143) RENAISSANCE LITERATURE**  
Readings of the 16th century poetry and prose. Emphasis on Sir Thomas More, Sidney and Spenser. 3 credits

**ENGL 2213 (EN 144) 17TH CENTURY LITERATURE**  
The "Metaphysical" and "Cavalier" poets, Milton and selected prose. 3 credits

**ENGL 2214 (EN 145) 18TH CENTURY LITERATURE**  
Prose and poetry from the Restoration to the Romantics-1660-1800. Emphasis on Dryden, Pope, Swift and Johnson. 3 credits

**ENGL 2215 (EN 147) ROMANTIC LITERATURE**  
The poetry of Burns, Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. 3 credits

**ENGL 2216 (EN 148) VICTORIAN LITERATURE**  
Browning, Tennyson, the pre-Raphaelites, Carlyle, Newman, Arnold, Ruskin and Mill. 3 credits

**ENGL 2217 (EN 155) MODERN BRITISH LITERATURE**  
Major British writers of the 20th century, including Yeats, Woolf, Lawrence and Joyce. 3 credits

**Major Authors**

**ENGL 2311 (EN 251) CHAUCER**  
A close study of *The Canterbury Tales*, *Troilus and Criseyde*, and some of the minor poems. 3 credits

**ENGL 2312 (EN 252) SHAKESPEARE**  
Representative tragedies, comedies, and histories; the sonnets. 3 credits

**ENGL 2313 (EN 253) MILTON**  
A close study of *Paradise Lost* and other poems, plays and representative prose. 3 credits

**ENGL 2314 (EN 284) YEATS AND HIS WORLD**  
A study of Yeats' poetry and plays in the setting of his age. 3 credits

**ENGL 2315 (EN 289) JOYCE AND LAWRENCE**  
Study of representative works of both authors. 3 credits

**Other Courses in Poetry, Fiction, Drama and Literary Criticism**

**ENGL 2411 (EN 146) THE ENGLISH NOVEL**  
Development of the English novel from its origins in the early 18th century to its maturity in the 20th. Readings in major novelists from Defoe to Joyce. 3 credits

**ENGL 2413 (EN 258) THE DRAMA IN ENGLAND**  
A survey of English drama from liturgical mystery plays to Pinter. 3 credits

**ENGL 2414 (EN 255) CONTEMPORARY FICTION**  
Readings in continental, British and American fiction since World War II. 3 credits

**ENGL 2415 (EN 256) CONTEMPORARY DRAMA**  
A survey of post World War II dramatic literature. 3 credits

**ENGL 2416 (EN 257) CONTEMPORARY POETRY**  
Critical examination of trends in British and American poetry since World War II. 3 credits

**ENGL 2417 (EN 151) THE AMERICAN NOVEL I**  
Representative works of major authors, such as Hawthorne, Melville, Twain and James. 3 credits

**ENGL 2418 (EN 152) THE AMERICAN NOVEL II**  
Representative works of major authors such as Dreiser, Hemingway, Faulkner and Fitzgerald. 3 credits

**ENGL 2419 (EN 150) THE SOCIAL NOVEL IN AMERICA**  
The novel from Cooper to Vonnegut as a comment on life in America. 3 credits

**ENGL 2420 (EN 153) MODERN AMERICAN POETRY**  
An analytic approach to the works of Williams, Frost, Pound, Eliot, Stevens and others. 3 credits

**ENGL 2421 (EN 254) MODERN AMERICAN DRAMA**  
The plays of O'Neill, Miller, Williams and others. 3 credits

**ENGL 2422 (EN 285) RELIGIOUS THEMES IN AMERICAN LITERATURE**  
Fiction and poetry reflecting the major American religious currents from Puritanism to the present. 3 credits

**ENGL 2423 (EN 271) THE AMERICAN SCREENPLAY**  
A survey of screenwriters' contributions to American film. Analysis of the major genres with selected screenings. 3 credits

**ENGL 2424 (EN 273) THE EUROPEAN SCREENPLAY**  
Screenplays from France, Italy, Germany and Sweden. Selected screenings with English subtitles. 3 credits

**ENGL 2425 (EN 270) SCIENCE FICTION**  
The history of science fiction through a consideration of the works of Wells, Verne, Ellison, Asimov and others. 3 credits

**ENGL 2426 (EN 280) POETRY AND SCIENCE**  
The historical and philosophical relationship between poetry and science since the Renaissance. 3 credits

**ENGL 2427 (EN 272) DRAMA: CLASSIC AND CONTEMPORARY**  
Plays currently in production on and off Broadway. Field trips. 3 credits

**ENGL 2428 (EN 281) CONTEMPORARY LITERATURE AND RELIGION**  
Man's spiritual quest in works by Faulkner, Salinger, Flannery O'Connor, Saul Bellow and others. 3 credits

**ENGL 2429 (EN 282) THE PSYCHOLOGICAL NOVEL**  
Analyses of human motivation and action in the writings of Flaubert and Dostoevsky, James and Conrad, Proust and Joyce. 3 credits

**ENGL 2430 (EN 282) SATIRE**  
A comparative survey of seriocomic texts in the major literary genres. 3 credits

**ENGL 3401 (EN 209) CLASSICAL RUSSIAN LITERATURE**  
Studies in Pushkin, Tolstoy, Dostoevsky and others. 3 credits

**ENGL 3402 (EN 210) CONTEMPORARY RUSSIAN LITERATURE**  
Russian literature in the 20th century. 3 credits

**ENGL 3411 (EN 120) INTRODUCTION TO LITERARY CRITICISM**  
Survey of major critical theories, including classical, romantic, and modern positions. Practice in applying theories to poems, novels and plays. 3 credits

### **Writing and Language**

**ENGL 2511-2512 (EN 102-103) CREATIVE WRITING I & II**  
Practical exercises in writing several types of prose, specializing in the short story. 3-6 credits

**ENGL 2513 (EN 105) POETRY WORKSHOP**  
Practical exercises in the techniques of composing poetry. 3 credits

**ENGL 2514-2515 (EN 111-112) WRITING WORKSHOP I & II**  
Essays, theses, and other projects of varying difficulty. Peer review and criticism. 3-6 credits

**ENGL 2516 (EN 260) LINGUISTICS AND MODERN GRAMMAR**  
A survey of various linguistic systems and their application to the understanding of English grammar. 3 credits

**ENGL 2517 (EN 298) HISTORY OF THE ENGLISH LANGUAGE**  
The development of the English language from its origins to the present. 3 credits

**ENGL 3511 (EN 261) ADVANCED COMPOSITION**  
The study of rhetorical and stylistic strategies for effective writing. Representative texts. 3 credits

**ENGL 3512 (EN 262) BUSINESS WRITING**  
Communication for the world of work; letters, memos, short and long reports. 3 credits

**ENGL 3513 (EN 263) WRITING FOR PROFESSIONS**  
The organization and composition of articles, analyses, and reviews according to formats prescribed by the academic, legal or other professions. 3 credits

**ENGL 3514 (EN 265) SCIENTIFIC AND TECHNICAL WRITING**  
Approaches to the writing of technical reports. 3 credits

### **Individual Research and Seminars**

	Credits
ENGL 3091 (EN 291)	1
ENGL 3092 (EN 292)	2
ENGL 3093 (EN 290)	3
ENGL 4093 (EN 293)	3

Scholarly projects related to the student's literary interests and carried through in consultation with faculty adviser.  
**English majors only.**

**ENGL 5011 (EN 299) ENGLISH SEMINAR**  
Investigation of specific problems in the study of literature. Seniors only. 3 credits

### **Cross-listed Courses\***

ENGL 1611 GREEK & LATIN IN ENGLISH  
ENGL 2612 CLASSICAL MYTHOLOGY  
ENGL 2613 EARLY AFRO/AMER LIT  
ENGL 2614 MODERN AFRO/AMER LIT  
ENGL 2615 MAJ FIGURES AF/AMER LIT  
ENGL 2616 CONTEMPORARY AFRICAN LIT  
ENGL 2617 LIT/HARLEM RENAISSANCE  
ENGL 3608 ASIAN LIT IN ENGLISH TRANSLATION I  
ENGL 3609 ASIAN LIT IN ENGLISH TRANSLATION II  
ENGL 3610 EXISTENTIALISM IN LITERATURE

\*With the permission of the chairperson of the Department of English, up to 6 hours of these or other courses may be accepted for English credit. For course descriptions see the Departments of African-American Studies, Asian Studies, Classics and Philosophy.

**ENGL 3894 JA Co-op I** (See Co-op Adviser)  
**ENGL 3895 JA Co-op II** (See Co-op Adviser)  
**ENGL 3896 JA Co-op III** (See Co-op Adviser)  
For description see page 31, 56 or 169. 3 credits

## DEPARTMENT OF HISTORY

**Professors:** Barlow; Leab; Lewinson; Mahoney; Mathes (*Director, Soviet and East European Studies*); Reilly; Scholz; Shapiro; Stock

**Associate Professors:** Browne; Driscoll; Greene (*Chairperson*); Walz (*Co-op Adviser*)

**Assistant Professors:** Caulker; Navarro; Quinn

The Department of History offers programs of study leading to the degree Bachelor of Arts. By presenting the story of human achievements, hopes and frustrations, struggles and triumphs, the department helps the inquiring student to understand this complex world and shape its future.

On the undergraduate level the student majoring in history achieves a background particularly desirable for graduate study and careers in business, law, education and journalism. Students majoring in history acquire an understanding of American culture and institutions which prepares them for careers in these fields.

Among the courses students take at the University, those in history are particularly well suited to broaden their perspectives and prepare them to live in the complex world of the present. Most activities and careers of modern life involve aspects which extend beyond national borders. It is essential to understand the past of other peoples to understand their cultures and to work with them.

Under the auspices of the Department of History, the College of Arts and Sciences offers an interdisciplinary undergraduate program which confers a certificate of proficiency in Soviet and East European Studies in conjunction with a Bachelor of Arts degree in an academic discipline. (See page 161).

## Major Program

In addition to meeting the standards and requirements of the College of Arts and Sciences, history degree candidates must complete a minimum of 45 credits in history and 6 credits in allied fields to be distributed as follows:

1. A minimum of 9 credits in introductory courses at the HIST 1000 level. The student may be excused from this requirement by attaining satisfactory scores on appropriate equivalency tests administered by the department. Students interested in qualifying for this exemption must consult their advisers.
2. Introduction to Historical Method HIST 2180 is required of all majors and is normally taken in the semester in which the student first takes advanced courses at the HIST 2000 level. Each major program must include at least 27 credits in advanced courses. A seminar must be taken in the senior year. Topics will be announced annually.
3. A minimum of 6 credits in advanced American history courses and a minimum of 6 credits in advanced European history courses.
4. A minimum of 6 credits in either introductory or advanced Third World history: Latin America, Africa and Asia (selection with approval of history chairperson).
5. A minimum of 6 credits in allied fields: economics, political science, psychology, sociology, computer science or statistics.

Students are required to meet with their advisers at least once each semester to plan their program in light of their abilities and special interests, and to evaluate progress toward completion of the history degree requirement.

The department recommends that the student acquire competency in at least one foreign language through the third-year level. This is particularly important for students who plan to pursue graduate studies. (The department will not give an unqualified recommendation for graduate studies in history unless the student demonstrates a read-

ing ability in one foreign language equal to that obtained by completion of three years of language study).

## Minor Program

Students majoring in disciplines other than history may elect the 21-credit minor in history. Students will find that a minor in history enhances their employment, law school or graduate school chances. The requirements are as follows:

- I. 21 credits in History with a distribution of at least one 3 credit course in each of the following areas:
  - A. United States History
  - B. European History
  - C. Non-western or Third World History (African, Asian or Latin American).
- II. Of the total 21 credits for a History minor, no more than 12 credits may be taken in HIST 1000-level courses.
- III. Of the total 21 credits for a History minor, no fewer than 9 credits are to be taken in advanced courses at the HIST 2000 and above level. This requirement provides the student with an experience in the more chronologically or topically in-depth specialized courses.

## Course Descriptions

### Introductory

#### HIST 1201 (HI 11) WESTERN CIVILIZATION I

The development of Western civilization from its origins in the Near East to the Scientific Revolution. 3 credits

#### HIST 1202 (HI 12) WESTERN CIVILIZATION II

The development and expansion of Western civilization from Enlightenment and Industrial Revolution to the present. 3 credits

#### HIST 1301-1302 (HI 21-22) AMERICAN HISTORY I & II

Part 1: Colonial America through the end of the Civil War

Part 2: Reconstruction to the present. 6 credits

#### HIST 1381 (HI 41) FOUNDATIONS OF AMERICAN POLITICS

An historical foundation of the ideas, institutions and practices of government. 3 credits

#### HIST 1401-1402 (HI 31-32) HISTORY OF LATIN AMERICA I & II

Part I: Survey of the pre-Columbian period and the Spanish and Portuguese empires.

Part II: Development of the individual countries. 6 credits

#### HIST 1501-1502 (HI 51-52) (AFAM 1201-1202) HISTORY OF AFRICAN CIVILIZATION I & II

Part I: Independent developments in African civilization and the impact those developments have had on human progress.

Part II: Study of the traditional peoples and cultures of Africa; Survey of contacts between Africa and the outside world with emphasis on colonialism, decolonization and the independence era. 6 credits

### Advanced General

#### HIST 2170 (HI 136) (CLAS 2322) WOMEN IN ANTIQUITY

Inquiry into the social, political and legal status of women in ancient Greece and Rome. 3 credits

#### HIST 2171 (HI 137) WOMEN IN MODERN TIMES

History of women's place in the various societies of European and American civilizations from the Middle Ages to the present. 3 credits

#### HIST 2180 (HI 199) INTRODUCTION TO HISTORICAL RESEARCH

Required of all history majors. Method and rationale of historical research. 3 credits

#### HIST 2190 (HI 278) TOPICS IN INTERDISCIPLINARY HISTORY

To be set by instructor. 3 credits

#### HIST 2191 (HI 277) TOPICS IN COMPARATIVE HISTORY

To be set by instructor. 3 credits

#### HIST 2210 (HI 6) THE CONTEMPORARY WORLD

Sources and events of this revolutionary century that explain the problems and possibilities of the contemporary scene. 3 credits

#### HIST 2211 (HI 13) WORLD WAR I

Surveys the diplomatic, military and geopolitical aspects of the First World War from its preliminaries to its conclusion, giving special consideration to its causes and consequences. 3 credits

#### HIST 2212 (HI 14) WORLD WAR II

Surveys the diplomatic, military and geopolitical aspects of the Second World War from its preliminaries to its conclusion, giving special consideration to causes and consequences. 3 credits

#### HIST 2710 (HI 285) INTERNSHIPS IN THE CARE AND ORGANIZATION OF MANUSCRIPTS

Instruction and work experience with the New Jersey Historical Society in the custody, care and management of historical documents. 3 credits

**HIST 3191 (HI 296) SUPERVISED RESEARCH IN HISTORY**  
 (Open only to junior and senior majors by arrangement with specific instructors)  
 Individual reading and research projects.  
 1 credit

**HIST 3192 (HI 297) SUPERVISED RESEARCH IN HISTORY**  
 (Open only to junior and senior majors by arrangement with specific instructors)  
 Individual reading and research projects.  
 2 credits

**HIST 3193 (HI 298) SUPERVISED RESEARCH IN HISTORY**  
 (Open only to junior and senior majors by arrangement with specific instructors)  
 Individual reading and research projects.  
 3 credits

**American History**

**HIST 2319 (HI 266) HISTORY OF NEW JERSEY**  
 The state of New Jersey from colonial days to the present. Emphasis on factors having heaviest impact on the State today.  
 3 credits

**HIST 2340 (HI 161) COLONIAL & REVOLUTIONARY AMERICA**  
 Surveys the age of exploration, foundation of English colonies, and the movement toward independence from England.  
 3 credits

**HIST 2351 (HI 163) THE NEW NATION**  
 Origins and development of the American political and economic system and of a distinctively American literature and culture.  
 3 credits

**HIST 2352 (HI 164) THE JACKSONIAN ERA**  
 Politics and thought in the Jacksonian Era, the westward movement, and the development of Manifest Destiny and sectionalism.  
 3 credits

**HIST 2353 (HI 165) CIVIL WAR AND RECONSTRUCTION**  
 Slavery and sectionalism; causes and character of the Civil War; Reconstruction in its varied aspects.  
 3 credits

**HIST 2354 (HI 172) THE AMERICAN FRONTIER**  
 The westward movement in American life.  
 3 credits

**HIST 2355 (HI 166) THE SHAPING OF MODERN AMERICA**  
 The rise of industry, agrarian discontent, progressive reform, World War I and the peace.  
 3 credits

**HIST 2361 (HI 167) FROM WILSON TO HOOVER**  
 "Normalcy," the 1920s and the Great Crash.  
 3 credits

**HIST 2362 (HI 168) AMERICA IN DEPRESSION AND WAR 1929-1945**  
 The Great Depression, New Deal and World War II.  
 3 credits

**HIST 2363 (HI 169) RECENT AMERICA-SINCE 1945**  
 Intellectual and social developments, the Cold War, the Black Revolution, Vietnam.  
 3 credits

**HIST 2370 (HI 153) DIPLOMATIC HISTORY I**  
 American diplomacy from the War of Independence to the revival of imperialism.  
 3 credits

**HIST 2371 (HI 154) DIPLOMATIC HISTORY II**  
 American diplomacy from the Spanish-American War to the problems created by the Cold War.  
 3 credits

**HIST 2372 (HI 151) ECONOMIC HISTORY/U.S.**  
 Economic development of the United States from colonial origins to contemporary position as a world power.  
 3 credits

**HIST 2373 (HI 152) LABOR IN MODERN AMERICA**  
 American work force (native-born, immigrant, minority, women, children) from the 1880's to the present, with an emphasis on the legal, social and political forces that shaped labor in the United States.  
 3 credits

**HIST 2374 (HI 157) THE IMMIGRANT IN AMERICAN LIFE**  
 Ethnic minorities in the development of American life.  
 3 credits

**HIST 2375-2376 (HI 173-174) (AFAM 1213-1214) AFRO-AMERICAN HISTORY I AND II**  
 The interaction between black and white society in the United States and the nature of black society and culture.  
 6 credits

**HIST 2377 (HI 176) RACISM IN AMERICAN THOUGHT**  
 The development of American concepts regarding Indians, immigrants and blacks.  
 3 credits

**HIST 2378 (HI 155) SOCIAL & INTELLECTUAL HISTORY I**  
 Crosscurrents of thought and social change in American history from the Colonial Era to 1865.  
 3 credits

**HIST 2379 (HI 156) SOCIAL & INTELLECTUAL HISTORY II**  
 American thought and society since 1865.  
 3 credits

**HIST 2380 (HI 170) HISTORY OF URBAN AMERICA**  
 The role of the city in American life.  
 3 credits

**HIST 2381 (HI 179) ANGLO-AMERICAN LEGAL HISTORY I**  
 Introduction to the development of the Common Law in England prior to 1700, with emphasis on the political, social and economic factors determining this development.  
 3 credits

**HIST 2382 (HI 180) ANGLO-AMERICAN LEGAL HISTORY II**  
 Reception of the Common Law in the English colonies: its growth in various select jurisdictions; its influence on post-Revolutionary America.  
 3 credits

**HIST 2383 (HI 279) LAW AND SOCIAL CHANGE: CHANGE IN MODERN AMERICA**  
 American law and legal institutions from post-Revolutionary America to 1900.  
 3 credits

**HIST 2385 (HI 294) SOCIAL HISTORY OF AMERICAN MEDICINE**

Surveys medical education, medical practice, therapeutics, nursing, the hospital, topics in public health, and relates the past to contemporary medical and health issues. 3 credits

**HIST 2386 (HI 295) (ROTC 1114) AMERICAN MILITARY HISTORY**

Development of American military institutions, policies, experiences and tradition in peace and war from colonial times to the present. 3 credits

**HIST 2387 (HI 287) THE CATHOLIC CHURCH IN THE U.S.**

Prerequisite: HIST 1301-1302 (HI 21-22)

Role of Catholics and the Church in the United States from Colonial beginnings to the recent past, focusing on internal developments and on relations with the wider society. 3 credits

**HIST 2388-2389 (HI 259-260) FILM AND HISTORY I & II**

Mass media view of specific historical subjects in the context of the development of American society between 1894 and the present, utilizing historical materials as well as feature films. 6 credits

**HIST 2390-2393 (HI 281-284) TOPICS IN AMERICAN HISTORY**

To be set by instructor. 3-12 credits

**European History**

**HIST 2183 (HI 113) (CLAS 2304) HISTORIANS OF GREECE AND ROME**

Selected readings and interpretation of Greek and Roman historiography. Social and political character of ancient historiography as well as the historical criticism and viewpoint of each author. 3 credits

**HIST 2220 (HI 100) (CLAS 2319) GREEK CIVILIZATION**

Rise of Hellenic culture from its genesis in the Aegean Bronze Age, the major interactions of the city-states in the 7th and 6th centuries, the Classical period and its decline. 3 credits

**HIST 2221 (HI 101) (CLAS 2320) ROMAN CIVILIZATION**

Investigation of the tension between individual liberty and the traditional power of state and society, and of the political and social institutions which maintain social cohesion in a complex society. 3 credits

**HIST 2230 (HI 102) EUROPE IN THE MIDDLE AGES**

Formation of medieval civilization in the so-called Dark Ages and its transformation between the 11th and 14th centuries. 3 credits

**HIST 2240 (HI 105) THE RENAISSANCE AND REFORMATION**

Beginning of modern Europe as the renewal of trade is followed by rediscovery of the ancient world, discovery of the New World, changes in art, literature and thought and the division of Christianity by the Protestant movement. 3 credits

**HIST 2242 (HI 107) THE FRENCH REVOLUTION AND NAPOLEON**

The intellectual ferment of the enlightenment, through the upheaval of the revolution and its despotic aftermath. 3 credits

**HIST 2243-2253 (HI 121-122) HISTORY OF BRITAIN AND EMPIRE**

Part I: Restoration of Charles II in 1660 to the Reform Bill in 1832.

Part II: the Reform Bill of 1832 to the present. 6 credits

**HIST 2246 (HI 115) KIEVAN RUS' AND MUSCOVY**

From the origins of the Russian nation to Peter the Great. 3 credits

**HIST 2250 (HI 109) WESTERN EUROPE IN THE 19TH CENTURY**

Flaws and failures, as well as the accomplishments, between 1815 and 1914, when Europe reached a pre-eminent place in the world. 3 credits

**HIST 2252 (HI 130) HISTORY OF MODERN FRANCE**

Developments in France from the fall of Napoleon to the present. 3 credits

**HIST 2254 (HI 123) EARLY MODERN IRELAND**

Political, economic, and social history of Ireland from the Treaty of Limerick in 1691 to the Great Famine of the 1840's. 3 credits

**HIST 2256 (HI 116) HISTORY OF IMPERIAL RUSSIA**

Historical legacy of the Russian imperial period from the reign of Peter the Great to Russia's entry into World War I. 3 credits

**HIST 2257 (HI 128) EAST CENTRAL EUROPE**

Political evolution and social and economic development of modern Poland and Danubian Europe from 1700 to present. 3 credits

**HIST 2260 (HI 110) WESTERN EUROPE IN THE 20TH CENTURY**

Since 1914, European civilization has been in a permanent condition of crisis and alarm. An examination of individual tragedies, speculation about their origins and consequences. 3 credits

**HIST 2264 (HI 124) MODERN IRELAND**

Examination of the forces of Ireland's recent past that account for her present condition. 3 credits

**HIST 2265 (HI 126) HISTORY OF GERMANY, 1848 TO PRESENT**

Comprehensive survey of Germany beginning with its political and economic modernization, through the world wars of the 20th century to the present. 3 credits

**HIST 2266 (HI 117) HISTORY OF THE SOVIET UNION**

Russia since 1917. 3 credits

**HIST 2276 (HI 258) RUSSIAN COMMUNISM**

Beginnings of Russian radicalism: populism, socialism, communism to Stalin. 3 credits

**HIST 2277 (HI 257) INTELLECTUAL ORIGINS OF SOCIALISM**

French socialist and revolutionary tradition; German socialism through Marx. 3 credits

**HIST 2290-2293 (HI 271-276) TOPICS IN EUROPEAN HISTORY**

To be set by instructor. 3 credits

**Third-World History**

**HIST 1601 (HI 202) (ASIA 3102) HISTORY OF TRADITIONAL ASIA**

Survey of the historical development of the major Asian civilizations (ancient Near East, India, China, Japan and Korea), primarily pre-modern. 3 credits

**HIST 1602 (HI 203) (ASIA 3103) HISTORY OF MODERN ASIA**

Asian history and culture from the 19th century to the present. 3 credits

**HIST 2268 (HI 135) MIDDLE EAST IN 20TH CENTURY**

From the collapse of the Ottoman Empire to the Arab-Israeli conflict. Nationalistic movements and the role of the Great Powers and the U.N. in the area. 3 credits

**HIST 2466 (HI 292) PAST OF PUERTO RICO**

People of Puerto Rico, their history and culture, and their relationship with Spain, Latin America and the United States. 3 credits

**HIST 2490 (HI 291) TOPICS IN LATIN AMERICAN HISTORY**

To be set by instructor. 3 credits

**HIST 2551 (HI 261) (AFAM 2218) HISTORY OF SOUTHERN AFRICA**

Development of African and European societies in Southern Africa. Special emphasis on the beginnings of white settlement and the evolution and institutionalization of apartheid. 3 credits

**HIST 2552 (HI 262) (AFAM 2216) HISTORY OF WESTERN AFRICA**

Primary forces that have shaped the political, cultural and social development of that area. 3 credits

**HIST 2553 (HI 263) (AFAM 2217) HISTORY OF EAST & CENTRAL AFRICA**

Internal and external factors that have helped to shape the history of the area. 3 credits

**HIST 2554 (HI 264) (AFAM 2219) HISTORY OF NORTH AFRICA**

Topics in North Africa history: the pre-Arab era, Arabization and Islamization; Ottoman rule, North Africa since the Napoleonic invasion. 3 credits

**HIST 2561 (HI 265) (AFAM 2222) TWENTIETH CENTURY AFRICA**

Evolution of Africa from dependent colonial status to sovereign states in the international political arena, and the role and impact of these states on world global politics. 3 credits

**HIST 2621 (HI 253) (ASIA 3127) HISTORY OF TRADITIONAL CHINA**

For description, see page 74. 3 credits

**HIST 2622 (HI 255) (ASIA 3129) HISTORY OF TRADITIONAL JAPAN**

For description, see page 74. 3 credits

**HIST 2651 (HI 254) (ASIA 3128) HISTORY OF MODERN CHINA**

For description, see page 74. 3 credits

**HIST 2652 (HI 256) (ASIA 3130) HISTORY OF MODERN JAPAN**

For description, see page 74. 3 credits

**HIST 3894 JJ Co-op I (See Co-op Adviser)**

**HIST 3895 JJ Co-op II (See Co-op Adviser)**

**HIST 3896 JJ Co-op III (See Co-op Adviser)**

For description, see page 31, 56 or 169. 3 credits



# INTERDISCIPLINARY COURSES

In addition to departmental courses the College of Arts and Sciences offers several interdisciplinary courses which may fulfill core curriculum and certain major requirements. Interdisciplinary courses are taught, both individually and in teams, by faculty from various Arts and Science departments.

Students interested in taking any of the following courses should refer to the core curriculum list on page 50 or consult with an adviser in the appropriate department.

## **IDIS 1001 FRESHMAN SEMINAR**

Introduction to the University experience through small group learning seminars under the guidance of members of the faculty. Students pursue a collaborative research project during their first semester. Topics are determined by the professor, but the class arrives at the actual format of the research project. Offers a practical exercise in research and critical thinking, and provides exposure to experiential learning as well as preparation for more intensive work in subsequent semesters. 3 credits

## **IDIS 1101-1102 TRADITIONAL CULTURES OF THE NON WESTERN WORLD I & II**

Team-taught survey of the major traditional cultures of Asia, Africa and the Americas. Survey of society, government, philosophy, religion, economy and arts. Background to understanding the cultures of the modern Third World. Applicable to Section E3 of the core curriculum. 6 credits

## **IDIS 1103 CONTEMPORARY SOVIET SOCIETY**

Introduction to the social, political and economic changes taking place in the Soviet Union. Events of the last five years are considered in their historical content. 3 credits

## **IDIS 1201 ARCHAEOLOGY FOR LIBERAL ARTS**

Multi-faceted presentation draws on humanities and sciences in theory and practice. Students handle ancient artifacts, become acquainted with processing data scientifically, and learn about ways scientific knowledge is integrated into an understanding of human life. They study ancient archaeological sites together with literature of art, history, politics and religion derived from them and provide a liberal arts framework within which to place a career-oriented major. Applicable to D2 of the core-curriculum. 3 credits

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

**Professors:** Williams; Wong

**Associate Professors:** K. Burke; Costa; Gross (*Chairperson*); Guerin; Guetti; Kim; Marlowe; Masterson; Saccoman; Washburn

**Assistant Professors:** Landry (*Co-op Adviser*); Ryan; Schoppmann

**Developmental Mathematics Program:** Bortzel (*Assistant Coordinator*); Gushanas (*Coordinator*); Minacapelli

The Department of Mathematics and Computer Science offers programs of study leading to the degrees Bachelor of Science, Master of Arts and Master of Science in Mathematics and Bachelor of Science in Computer Science.

The department aims to develop students' attitudes of mind and analytical skills necessary for the effective understanding and application of mathematics and computer science.

A variety of program options are available for undergraduates majoring in mathematics or computer science. Stu-

dents' programs are determined in consultation with a faculty adviser from the department and tailored to each undergraduate's career goals. With the proper choice of electives, students will be prepared to enter teaching, industry or graduate study in mathematics, computer science, business, law and medicine.

Programs for undergraduates majoring in secondary education with mathematics as a teaching field are determined in consultation with a faculty adviser from the Department of Secondary Education in the College of Education and Human Services as well as the Department of Mathematics and Computer Science.

## Major Program in Mathematics

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete the requirements listed below. All programs are worked out in consultation with a department adviser who may modify the program in view of the student's background and objectives. All programs must be approved by the department.

The following courses are not acceptable for credit for mathematics majors: CHEM 1011, PSYC 2311, PSYC 2312, BQUE 2801, BQUE 2802.

### Department Requirements

Students may take certain graduate courses, if they obtain the permission of their adviser and the department chairperson.

	Credits	
MATH 1501, 1511	Calculus I & II	8
MATH 1611	Discrete Probability and Combinatorics	3
MATH 2511	Calculus III	4
MATH 2512	Calculus IV—Introduction to Differential Equations	4
MATH 2811-2812	Introduction to Linear Algebra I & II	6
MATH 3511-3512	Advanced Calculus I & II	6
MATH 3811-3812	Introduction to Algebra I & II	6
MATH 4511	Introduction to Real Analysis	3
MATH 4512	Introduction to Complex Analysis	3
MATH/CSAS	Mathematics or computer science electives	3
(Courses numbered above 3000; maximum of 9 credits in computer science)		18

## Minor Program in Mathematics

Students planning to minor in mathematics must contact the department chairperson in order to have an adviser assigned to them for this program.

A minimum grade point average of 2.3 must be maintained in this program.

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### Department Requirements

	Credits	
MATH 1501*, 1511*	Calculus I & II	8
MATH 2511, 2512	Calculus III & IV	8
MATH 2811, 2812	Introduction to Linear Algebra I & II	6
MATH 3_____**	Two "3000" level Mathematics Courses	3
MATH 3_____**		<u>3</u>
		28

\*Requirement may be waived by department for students having taken courses judged equivalent.

\*\*3000 level courses chosen in consultation with department adviser.

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## Course Descriptions

Mathematics courses are divided into four groups. Students who have already completed a course in a higher group will not be given credit for a course in a lower group without the written permission of the department.

### Group I

Given for institutional credit only: these credits do not count toward graduation.

MATH 0011 (MT 3) Developmental Mathematics I

MATH 0012 (MT 4) Developmental Mathematics II

MATH 0013 (MT 6) Developmental Mathematics III

### Group II

MATH 1014 (MT 30) Intermediate Algebra

### Group III

MATH 1015 (MT 72) Pre-Calculus Mathematics — Algebra and Trigonometry

MATH 1011 — Sabermetrics

Courses numbered from 1100 to 1399. Students who have taken PSYC 2311, PSYC 2312, BQUE 2801, or BQUA 2802 cannot take MATH 1101 for credit. See pages 132 and 177 for course descriptions.

The department offers a mathematics placement test as part of the battery of tests administered to incoming freshmen. Transfer students are required to contact the department chairperson before registering for any mathematics course. Students who are required to take MATH 0011, MATH 0012, or MATH 0013 should do so during the first semester of attendance at the Uni-

versity. Students required to take one or more of these courses must do so within the first three semesters of attendance at the University.

Students who are required to take MATH 0011, MATH 0012 or MATH 0013 should attempt to do so during their first semester of attendance at the University and no later than during their second semester. These courses

must be taken in consecutive semesters. Students required to take one or more of these courses must complete this requirement within the first three semesters of attendance at the University.

The prerequisites listed below are adhered to strictly. A student who has not completed the prerequisites will not be permitted to remain in a course or receive credit for it. For all courses listed with two numbers, such as MATH 2811-2812, the first course is prerequisite to the second. MATH 2811 is prerequisite to MATH 2812.

**MATH 0011 (MT 3) DEVELOPMENTAL MATHEMATICS I**

Integers, fractions, decimals, ratio, percentage, elementary word problems.

2 credits (institutional)

**MATH 0012 (MT 4) DEVELOPMENTAL MATHEMATICS II**

Prerequisite: MATH 0011 (MT 3) or successful completion of the N.J. Basic Skills Computation Test, or successful completion of the appropriate departmental test.

Simplifying algebraic expressions, exponents, equations, polynomials, graphing, factoring, square roots, algebraic fractions, elementary word problems.

3 credits (institutional)

**MATH 0013 (MT 6) DEVELOPMENTAL MATHEMATICS III**

Prerequisite: MATH 0011 (MT 3) and the recommendation of the program coordinator, or successful completion of the N.J. Basic Skills Computation Test, or successful completion of the appropriate departmental test.

Special products and factoring, algebraic fractions, linear equations and their graphs, radicals.

2 credits (institutional)

**MATH 1011 SABERMETRICS**

Prerequisite: MATH 0012 or 0013 or appropriate score on departmental placement test

Introduces students to the rapidly growing field of sabermetrics, the science of statistics applied to baseball. Demonstrates application of statistical measures to the game. Students gain insight into the interpretation and validity of statistical measures.

1 credit

**MATH 1014 (MT 30) INTERMEDIATE ALGEBRA**

Prerequisite: MATH 0012 or MATH 0013 or appropriate score on the N.J. Basic Skills Test or an appropriate score on a departmental placement test.

The real number system, algebraic manipulations, solving linear and quadratic equations, exponents, roots, functions and graphing.

3 credits

**MATH 1015 (MT 72) PRE-CALCULUS MATHEMATICS — ALGEBRA AND TRIGONOMETRY**

Prerequisite: MATH 1014 or appropriate score on a departmental placement test.

The real number system, analytic geometry, functions, linear and quadratic equations, exponential and logarithmic functions, basic properties of trigonometry used in calculus: definitions, graphs, periodicity, identities, inverse trigonometric functions, applications.

4 credits

**MATH 1101 (MT 75) STATISTICAL CONCEPTS AND METHODS**

Prerequisite: MATH 0012 or MATH 0013 or appropriate score on the N.J. Basic Skills Test or appropriate score on a departmental placement test.

Nature of statistics. Descriptive statistics, measures of central tendency and variability, the normal curve. Probability, sampling theory, correlation and regression. Inference, hypothesis testing, significance of differences among groups. Use of computer statistical packages.

3 credits

**MATH 1201 (MT 73) MATHEMATICAL MODELS IN THE SOCIAL SCIENCES**

Prerequisite: MATH 1014 or appropriate score on a departmental placement test.

For students in the behavioral sciences. Various elementary mathematical techniques (exclusive of statistics) currently used in the field. Computer terminal facilities aid instruction and acquaint students with the employment of subroutines to solve problems. Topics from linear programming, graph theory, matrix algebra, combinatorics, logic and Boolean algebra. Specific and realistic applications to problems illustrate each topic.

3 credits

**MATH 1301 (MT 77) CALCULUS FOR BUSINESS AND ECONOMICS STUDENTS I**

Prerequisite: MATH 1014 or appropriate score on a departmental placement test.

Functions, limits, continuity, derivatives, applications of the derivative. Exponential and logarithmic functions.

3 credits

**MATH 1302 (MT 79) CALCULUS FOR LIBERAL ARTS STUDENTS I**

Prerequisites: MATH 1014 or appropriate score on a departmental placement test.

Historical and philosophical background of the concepts of the calculus. Introduction to calculus, including real numbers, functions, limits, continuity, derivatives, graphing, definite integrals. Applications, including use of computer packages.

3 credits

**MATH 1311 (MT 78) CALCULUS FOR BUSINESS AND ECONOMIC STUDENTS II**

Prerequisite: MATH 1301.

Antiderivatives, area, applications. Partial derivatives, applications. Introduction to matrix theory, solution of systems of linear equations.

3 credits

**MATH 1401 (MT 90) CALCULUS I**  
Prerequisite: MATH 1015 or appropriate score on departmental placement test.

Real numbers, functions, elements of plane analytic geometry, limits, continuity, derivatives, differentiation of algebraic functions, applications of the derivative, antiderivatives, definite integral, Fundamental Theorem of Calculus. Primarily for science majors. 4 credits

**MATH 1411 (MT 91) CALCULUS II**  
Prerequisite: MATH 1401

Applications of integration. Differentiation of trigonometric and exponential functions and their inverses. Techniques of integration. Improper integrals, indeterminate forms. 4 credits

**MATH 1501 (MT 92) CALCULUS I**  
Prerequisite: MATH 1015 or appropriate score on departmental placement test.

Real numbers, proof by induction, functions, definition by recursion, limits, continuity, derivatives, applications, definite integral, Fundamental Theorem of Calculus, emphasis on theory. Primarily for mathematics and computer science majors. 4 credits

**MATH 1511 (MT 93) CALCULUS II**  
Prerequisite: MATH 1501

Applications of integration, transcendental functions and properties, techniques of integration, improper integrals, indeterminate forms, applications of induction and recursion, emphasis on theory. 4 credits

**MATH 1611 (MT 95) DISCRETE PROBABILITY AND COMBINATORICS**  
Corequisite: MATH 1511

Introduction to sets, graphs and trees, combinatorics. Discrete probability including sample spaces, random variables. Inclusion-exclusion, generating functions, recurrence relations. 3 credits

**MATH 2111 (MT 105) STATISTICS FOR SCIENCE MAJORS**  
Prerequisite: MATH 1411

Oriented toward direct application to research problems in the sciences. Collecting and organizing data, design of experiments, statistical tests and procedures used in accepting or rejecting a given hypothesis. A discursive treatment of the probability theory necessary to understand statistical tests is included but minimized. Emphasis on statistical inference and developing an awareness of statistical methods in a given situation. 3 credits

**MATH 2411 (MT 110) CALCULUS III**  
Prerequisite: MATH 1411

Polar coordinates, parametric equations, elements of solid analytic geometry, vectors, partial differentiation, multiple integrals, line integrals. 4 credits

**MATH 2511 (MT 112) CALCULUS III**  
Prerequisite: MATH 1511

Polar coordinates, parametric equations, elements of solid analytic geometry, vectors, partial differentiation, multiple integrals, line integrals, emphasis on theory. 4 credits

**MATH 2512 (MT 113) CALCULUS IV — INTRODUCTION TO DIFFERENTIAL EQUATIONS**

Prerequisite: MATH 2511

Infinite series. Exact equations, equations with variables separable, first order linear equations. Theory of linear equations, linear equations with constant coefficients, systems of linear equations. Series solutions. Introduction to numerical methods. 4 credits

**MATH 2811-2812 (MT 160-161) INTRODUCTION TO LINEAR ALGEBRA I & II**

Prerequisite: MATH 1511

Matrix Algebra, properties of determinants, solution of systems of equations, vector spaces, linear transformations, eigenvectors, inner product spaces. Introduction to applications chosen from among linear programming, graph theory, Markov chains, sparse matrices. 6 credits

**MATH 3094 JJ Co-op I** (See Co-op Adviser)  
**MATH 3095 JJ Co-op II** (See Co-op Adviser)  
**MATH 3096 JJ Co-op III** (See Co-op Adviser)  
For description, see page 31, 56 or 169. 3 credits

**MATH 3511-3512 (MT 208-209) ADVANCED CALCULUS I & II**

Prerequisite: MATH 2512

Topology of Euclidean  $n$ -space; limits, continuity and partial derivatives of functions of several variables; continuity and differentiability of vector valued functions, implicit function theorem, inverse function theorem. Integrals of functions of several variables, line and surface integrals. Green's theorem, Stokes' theorem. 6 credits

**MATH 3513 (MT 202) INTRODUCTION TO NUMERICAL ANALYSIS**

Prerequisite: MATH 2512

Direct and iterative methods for solving equations and systems of equations. Numerical methods including interpolation, polynomial approximations, numerical differentiation and integration. Numerical solution to differential equations. Knowledge of computer programming helpful. 3 credits

**MATH 3514 (MT 227) DIFFERENTIAL EQUATIONS**

Prerequisite: MATH 2512

Existence theorems, graphical methods, phase plane analysis, boundary value problems and selected topics. 3 credits

**MATH 3611 (MT 273) INTRODUCTION TO OPERATIONS RESEARCH**

Prerequisite: MATH 2512

Construction of mathematical models and use of mathematical models in operations research. Classical techniques for optimization of functions of one and several variables. Linear programming problem and simplex method for its solution. Applications to practical problems. 3 credits

**MATH 3612, 3613 DISCRETE  
MATHEMATICS I & II**

Prerequisites: MATH 2512, 2812

Explores problem-formulation and solution strategies in widely varying domain. Allows mathematics majors familiarity with area range and techniques in computer science structures and analysis, and modelling in other fields. Underlying constructions and models used in various disciplines and the modelling process. 6 credits

**MATH 3711-3712 (MT 240-241)  
STATISTICAL ANALYSIS I & II**

Prerequisites: MATH 1611, MATH 2512

Probability spaces, random variables, sampling, the law of large numbers, central limit theorem, confidence intervals and tests of hypotheses, regression, statistical decision theory, sampling from a normal population, testing hypotheses, experimental design and analysis of variance. Other sampling methods. 6 credits

**MATH 3811-3812 (MT 250-251)  
INTRODUCTION TO ALGEBRA I & II**

Prerequisite: MATH 2812

Basic algebraic structures including groups, rings, integral domains and fields. Quotient systems, direct products, free groups, homomorphisms, polynomial rings, unique factorization domains, extension fields and Galois theory. 6 credits

**MATH 3813 (MT 252) NUMBER THEORY**

Prerequisite: MATH 2812

Unique factorization and its applications, congruency, quadratic reciprocity, diophantine equations. Other topics as time permits. 3 credits

**MATH 3814 (MT 261) LINEAR ALGEBRA  
AND MATRIX THEORY**

Prerequisite: MATH 2812

Vector spaces and algebras, unitary and orthogonal transformations, characteristic equation of a matrix, the Jordan canonical form. Bilinear, quadratic and Hermitian forms. Spectral theorem. 3 credits

**MATH 3911 (MT 233) GEOMETRY**

Prerequisite: MATH 2512 (MT 113) or permission of department chairperson

Possible topics include Euclidean geometry, non-Euclidean geometry, projective geometry, transformation geometry, complex geometry. 3 credits

**MATH 4091-4092 (MT 275-276) TOPICS IN  
APPLIED MATHEMATICS I & II**

Prerequisite: MATH 3512 or permission of department chairperson.

Topics chosen from among operations research, optimization, including an introduction to the calculus of variations, combinatorics, discrete mathematics, Fourier analysis, integral equations, partial differential equations. Students acquire some experience at constructing mathematical models. 6 credits

**MATH 4093-4094 (MT 284-285)  
INDEPENDENT STUDY**

Prerequisite: permission of department chairperson. 1-6 credits

**MATH 4511 (MT 288) INTRODUCTION  
TO REAL ANALYSIS**

Prerequisite: MATH 3512

Sets, equivalence, countability, infinite series, metric spaces, complete, compact, connected spaces, sequences and series of functions, uniform convergence. 3 credits

**MATH 4512 (MT 290) INTRODUCTION  
TO COMPLEX ANALYSIS**

Prerequisite: MATH 3512

Analytic functions, elementary functions and mappings, integrals, Cauchy's integral theorem and formula, power series, residues and poles. 3 credits

**MATH 4911 (MT 272) INTRODUCTION  
TO TOPOLOGY**

Prerequisite: MATH 3512

Topological spaces, subspaces, product spaces, identification spaces. General convergence. Connected and compact spaces. Separation and countability. Compactifications. 3 credits

**MATH 5011-5019 (MT 291-299)**

**MATHEMATICS SEMINAR**

Prerequisite: permission of department chairperson.

Special topics and problems in various branches of mathematics. 1-6 credits

## Major Program in Computer Science

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete the requirements listed below. All programs are worked out in consultation with a department adviser who may modify the program in view of the students' backgrounds and objectives. All programs must be approved by the department.

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### Department Requirements

		Credits
CSAS 1111, 1112	Introduction to Computer Science I & II	8
MATH 1501, 1511	Calculus I & II	8
MATH 1611	Discrete Probability and Combinatorics	3
PHIL 1204	Symbolic Logic	3
CSAS 2111	Introduction to Computer Systems	4
CSAS 2112	Introduction to Computer Organization and Architecture	3
CSAS 2113	Introduction to File Processing	3
MATH 2511	Calculus III	4
MATH 2512	Calculus IV — Introduction to Differential Equations	4
MATH 2811, 2812	Introduction to Linear Algebra I & II	6
CSAS 3111	Operating Systems and Computer Architecture	3
CSAS 3112	Data Structures and Algorithm Analysis	3
CSAS 3113	Organization of Programming Languages	3
PHYS 1601, 1602	Introductory Physics I & II	6
PHYS 2883	Electronics I	3
CSAS Electives	(4000 or above)	12

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### Minor Program in Computer Science

Students planning to minor in computer science must contact the department chairperson in order to have an adviser assigned to them for this program.

Students in this program must maintain a minimum grade point average of 2.3.

		Credits
MATH 1501, 1511*	Calculus I & II	8
MATH 1611	Discrete Probability and Combinatorics	3
PHIL 1204	Symbolic Logic	3
CSAS 1111, 1112	Introduction to Computer Science I & II	8
CSAS 2111	Introduction to Computer Systems	4
CSAS 2112	Introduction to Computer Organization & Architecture	3
CSAS 3_____**	One "3000" level course in Computer Science	<u>3</u>
		32

The prerequisites and corequisites listed in the course descriptions on pages 105, 106, 107 and 108 are adhered to strictly. Students who do not observe these requirements will not be permitted to remain in the courses nor receive credit for them.

\*Requirement may be waived by department for students having taken courses judged equivalent.

\*\*3000 level courses chosen in consultation with department adviser.

**CSAS 1111 (CA 60) INTRODUCTION TO COMPUTER SCIENCE I**

Corequisites: MATH 1015, PHIL 1204

Organization of a modern computer. Programming topics including types, instructions, arithmetic, and Boolean expressions. Introduction to algorithms with examples from sorting, searching, and merging. Three hours lecture and one hour laboratory. 4 credits

**CSAS 1112 (CA 61) INTRODUCTION TO COMPUTER SCIENCE II**

Prerequisites: CSAS 1111, PHIL 1204  
Corequisite: MATH 1501

Continuation of the topics in CSAS 1111 with emphasis on developing the ability to design, debug, test and analyze programs. Introduction to string processing, recursion and simple data structures. Three hours lecture and one hour laboratory. 4 credits

**CSAS 2111 (CA 110) INTRODUCTION TO COMPUTER SYSTEMS**

Prerequisites: CSAS 1112, MATH 1511

The levels of organization in a computer system. Introduction to computer architecture. Programming assignments in an assembly language. Three hours lecture and one hour laboratory. 4 credits

**CSAS 2112 (CA 120) INTRODUCTION TO COMPUTER ORGANIZATION AND ARCHITECTURE**

Prerequisites: CA 1112, MATH 1511

The organization and structure of major hardware components of computer systems. The mechanics of control and information transfer within a system. Boolean functions, combinational and sequential circuits. An introduction to circuit design. 3 credits

**CSAS 2113 (CA 130) INTRODUCTION TO FILE PROCESSING**

Prerequisites: CSAS 1112, MATH 1511

Data structures, algorithms, and manipulative techniques for updating, deleting and inserting records in sequential and indexed files. File organization and management. Physical characteristics of storage devices and the representation of data structures on storage devices. 3 credits

**CSAS 2211 FORTRAN PROGRAMMING WITH NUMERICAL APPLICATIONS**

Introduction to Fortran programming, Fortran language features, including variable types, arithmetic and logical operations, built-in functions, control structures, loops, arrays and subprograms. Applications of Fortran programming and numerical analysis to functional equations, matrix operations, systems of linear equations, numerical integration, differential equations and interpolating and approximating polynomials. 2 credits

CSAS 3094 JJ Co-op I (See Co-op Adviser)

CSAS 3095 JJ Co-op II (See Co-op Adviser)

CSAS 3096 JJ Co-op III (See Co-op Adviser)

For description, see page 31, 56 or 169.

3 credits

**CSAS 3111 (CA 210) OPERATING SYSTEMS AND COMPUTER ARCHITECTURE**

Prerequisites: CSAS 2111, CSAS 2112

Interdependence of operating systems and architecture. Systems structure and systems evaluation. Memory management and process management. 3 credits

**CSAS 3112 (CA 220) DATA STRUCTURES AND ALGORITHM ANALYSIS**

Prerequisite: CSAS 2113

Advanced programming techniques. Data structures, design and analysis of algorithms. Representation and complexity. Applications. Major programming assignments. 3 credits

**CSAS 3113 (CA 230) ORGANIZATION OF PROGRAMMING LANGUAGES**

Prerequisites: CSAS 2111, CSAS 2113

Analysis of significant features of higher-level languages. Introduction to correctness and the formal theory of languages. Brief discussion of several higher-level languages including FORTRAN and LISP. 3 credits

**CSAS 3114 ERROR CORRECTING CODES**

Prerequisites: CSAS 1112, MATH 2512

The application of essential but elementary mathematical concepts to the rapidly developing field of error correcting codes. Topics to be discussed will include optimal codes associated with Latin squares, codes related to sphere packings, and various applications, including the implementation of the interleaved Reed-Soloman codes in terms of state-of-the-art compact disk technology and the technology behind the transmission of "pictures from space." 3 credits

**CSAS 4111 (CA 250) INTRODUCTION TO ARTIFICIAL INTELLIGENCE**

Prerequisites: CSAS 3112, CSAS 3113

Representation of problems, search strategies and control strategies. Knowledge and inference. Applications to cognitive science, the problem of perception, expert systems and robotics. 3 credits

**CSAS 4112 (CA 260) DESIGN AND ANALYSIS OF ALGORITHMS**

Prerequisites: CSAS 3112, CSAS 3113

Analysis of complexity and validity of algorithms for the solution of problems in combinatorics, systems programming, artificial intelligence and other fields. 3 credits

**CSAS 4113 (CA 270) AUTOMATA, COMPUTABILITY AND FORMAL LANGUAGES**

Prerequisite: CSAS 3113

Introduction to the theory of finite state machines and regular expressions. Formal grammars. Computability and Turing machines. 3 credits

**CSAS 4114 (CA 280) THEORY OF PROGRAMMING LANGUAGES**

Prerequisite: CSAS 3113

The formal treatment of programming language translations and compiler design concepts. 3 credits



# DEPARTMENT OF MODERN LANGUAGES

**Professor:** Jovicevich

**Associate Professors:** Pastor; Rodríguez,  
Zalacain (*Chairperson, Co-op Adviser*)

**Assistant Professors:** Girelli-Carasi,  
Prisco; Sierra; D. Smith; F. Smith  
(*Director of Language Services*); Sys

**Instructor:** Sabedra

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The Department of Modern Languages offers programs of study leading to the degree Bachelor of Arts.

The department offers courses in French, German, Italian, Russian and Spanish. All courses are planned to develop students' ability to use the language of their choice as a means of oral and written communication and to increase their understanding of the culture of the people whose language they are studying. The courses follow an appropriate sequence, and, in all elementary and intermediate courses, students are required to spend at least one hour a week in the language laboratory. Appropriate language tapes aid students in improving pronunciation and comprehension. Courses in literature, beyond introduction to literature courses, stress intensive reading and appreciation of major literary masterpieces.

## Major Program

Students majoring in either French, Italian or Spanish are required to complete a minimum of 42 credits in courses above the elementary level, plus 12 credits in a related area.

Students majoring in two modern languages are required to complete, above the elementary level, a minimum of 24 credits in one language and 18 in another.

## Minor Program

Eighteen credits above the elementary level in French, German, Italian, Russian or Spanish are required to complete

a minor. The sequence of courses for a minor is as follows:

Intermediate I & II (6 credits)  
Conversation I & II (6 credits)  
Composition I & II (6 credits)

The distribution of additional courses required by the College of Arts and Sciences is worked out in consultation with a department adviser.

## Course Descriptions

### French Language

#### FREN 1001-1002 (MO 1-2) ELEMENTARY FRENCH

Fundamentals of grammar. Emphasis on pronunciation and syntax. Reading-oral-aural-writing competence is stressed. 6 credits

#### FREN 1101-1102 (MO 3-4) INTERMEDIATE FRENCH I AND II

Prerequisite: FREN 1002 or equivalent

Review of the essentials of grammar, vocabulary building, conversation and composition. Reading of modern prose. 6 credits

#### FREN 2101-2102 (MO 9-10) CONVERSATIONAL FRENCH I AND II

Prerequisite: FREN 1102

Conversation based on topics of everyday life and cultural interest. 6 credits

#### FREN 2103-2104 (MO 7-8) FRENCH COMPOSITION I AND II

Prerequisite: FREN 1102

Written compositions covering literary and practical subjects. 6 credits

#### FREN 3111 (MO 210) FRENCH PHONETICS I

Prerequisite: FREN 2102

Offered in spring semester. Mostly for French majors and minors. 3 credits

#### FREN 3112 (MO 213) ADVANCED FRENCH CONVERSATION

Prerequisite: FREN 3302

Development of conversational skills for occupational situations. Idiomatic French is emphasized. 3 credits

#### FREN 3113 (MO 214) ADVANCED FRENCH GRAMMAR AND COMPOSITION

Prerequisite: FREN 3112

Continuation of the fundamentals of grammar and syntax in writing. 3 credits

#### FREN 3212-3213 (MO 116-117) FRENCH CIVILIZATION I AND II

Prerequisite: FREN 2104 or equivalent

Artistic, geographical, historical, literary and social background of France. 6 credits

#### FREN 3894 JJ Co-op I (See Co-op Adviser)

#### FREN 3895 JJ Co-op II (See Co-op Adviser)

#### FREN 3896 JJ Co-op III (See Co-op Adviser)

For description, see page 31, 56 or 169.

3 credits

**French Literature**

**FREN 3301-3302 (MO 101-102) INTRODUCTION TO FRENCH LITERATURE I AND II**

Prerequisite: FREN 2104 or equivalent

Selections from a limited number of major authors spanning from the Middle Ages through the first half of the 20th century. Discussions in French. 6 credits

**FREN 4311 (MO 202) 16TH-CENTURY FRENCH LITERATURE**

Prerequisite: FREN 3302

Rabelais and Montaigne; The Pleiade. Conducted in French. 3 credits

**FREN 4312-4313 (MO 203-204) 17TH-CENTURY FRENCH LITERATURE I AND II**

Prerequisite: FREN 3302

The pre-classical period through the Golden Age. Conducted in French. 6 credits

**FREN 4314-4315 (MO 231-232) 18TH-CENTURY FRENCH READINGS I AND II**

Prerequisite: FREN 3302

Voltaire, Rousseau, Montesquieu, Diderot, Buffon and the Enlightenment. Pre-romanticism. Conducted in French. 6 credits

**FREN 4316-4317 (MO 216-217) 19TH-CENTURY FRENCH LITERATURE I AND II**

Prerequisite: FREN 3302

Developments in literary genres during the Romantic, Realist and Symbolist periods. Conducted in French. 6 credits

**FREN 4318-4319 (MO 211-212) 20TH-CENTURY FRENCH LITERATURE I AND II**

Prerequisite: FREN 3302

Principal developments in contemporary French literature. Conducted in French. 6 credits

**FREN 4320-4321 (MO 118-119) THE FRENCH DRAMA I AND II**

Prerequisite: FREN 3302

French theater of the 17th and 19th centuries. Special study of classical and romantic dramatists. Conducted in French. 6 credits

**German Language**

**GERM 1001-1002 (MO 21-22) ELEMENTARY GERMAN I AND II**

Fundamentals of grammar. Pronunciation and syntax. Reading-oral-aural-writing competence is stressed. 6 credits

**GERM 1101-1102 (MO 23-24) INTERMEDIATE GERMAN I AND II**

Prerequisite: GERM 1002

Review of the essentials of grammar, vocabulary building, conversation and composition. Reading of modern prose. 6 credits

**GERM 2101-2102 (MO 29-30) CONVERSATIONAL GERMAN I AND II**

Prerequisite: GERM 102

Oral use of the language; conversation based on topics of everyday life as well as of cultural interest. 6 credits

**GERM 2103-2104 (MO 31-32) GERMAN COMPOSITION I AND II**

Review of grammar; written composition using literary and everyday-related texts. 6 credits

**GERM 2111-2112 (MO 25-26) BUSINESS GERMAN I AND II**

Prerequisite: GERM 1102

Improvement of all language skills and their application and interpretation in business situations. 6 credits

**GERM 2113-2114 (MO 27-28) SCIENTIFIC GERMAN I AND II**

Prerequisite: GERM 1102 or equivalent. Readings in general chemistry and biology. 6 credits

**GERM 2211-2212 (MO 157-158) GERMAN CIVILIZATION I AND II**

Prerequisite: GERM 1102

Artistic, geographic, historic, literary and social background of Germany. 6 credits

**German Literature**

**GERM 2301-2302 (MO 122-123) GOETHE I AND II**

Prerequisite: GERM 1102

Major works of Goethe. Comprehensive analysis of *Faust* and its literary significance. 6 credits

**GERM 2303-2304 (MO 151-152) CLASSICAL GERMAN LITERATURE I AND II**

Prerequisite: GERM 1102

From the Middle Ages to the turn of the 18th century. Emphasis on the great literary works and trends of German thought. 6 credits

**GERM 2305-2306 (MO 153-154) MODERN GERMAN LITERATURE I AND II**

Prerequisite: GERM 1102

The early 19th century to the present. Romanticism through realism and naturalism to impressionism and expressionism. 6 credits

**GERM 2307-2308 (MO 155-156) 20TH-CENTURY GERMAN LITERATURE I AND II**

Prerequisite: GERM 1102

Outstanding representatives of modern German literature. Selected readings from prominent novelists, dramatists and poets. 6 credits

**GERM 3894 JJ Co-op I** (See Co-op Adviser)  
**GERM 3895 JJ Co-op II** (See Co-op Adviser)  
**GERM 3896 JJ Co-op III** (See Co-op Adviser)  
 For description, see page 31, 56 or 169. 3 credits

**Italian Language**

**ITAL 1001-1002 (MO 41-42) ELEMENTARY ITALIAN I AND II**

Fundamentals of grammar. Pronunciation and syntax. Reading-oral-aural-writing competence is stressed. 6 credits

**ITAL 1101-1102 (MO 43-44) INTERMEDIATE ITALIAN I AND II**

Prerequisite: ITAL 1002

Review of the essentials of grammar, vocabulary building, conversation and composition. Reading of modern prose. 6 credits

**ITAL 2101-2102 (MO 47-48)  
CONVERSATIONAL ITALIAN I & II**

Prerequisite: ITAL 1102

Conversation based on topics of everyday life and cultural interest. 6 credits

**ITAL 2113-2114 ITALIAN COMPOSITION I AND II**

Prerequisite: ITAL 1102

Continuation of the fundamentals of grammar and syntax, and mastery of the language through written practice. 6 credits

**ITAL 2211-2212 (MO 169-170) ITALIAN CIVILIZATION I AND II**

Prerequisite: ITAL 1102

Artistic, geographical, historic, literary and social background of Italy. 6 credits

**Italian Literature**

**ITAL 2301-2302 (MO 165-166) CLASSICAL ITALIAN LITERATURE I AND II**

Prerequisite: ITAL 1102

From its origins to the 18th century. Great literary works of the Trecento and Cinquecento. The development and achievements of humanism and the Renaissance. 6 credits

**ITAL 2303-2304 (MO 167-168) MODERN ITALIAN LITERATURE I AND II**

Prerequisite: ITAL 1102

The 19th and 20th centuries. Development of poetry, drama and the novel. Influence of contemporary literary movements. 6 credits

**ITAL 2311-2312 20TH-CENTURY ITALIAN NARRATIVE I AND II**

Prerequisite: ITAL 1102

Representative works by the most prominent Italian novelists and short story writers of the 20th century. 6 credits

**ITAL 2313 THE ITALIAN RENAISSANCE**

Prerequisite: ITAL 2101-2102 and/or 2113-2114 or permission of department

A detailed examination of the Tre, Quattro and Cinquecento. Emphasis is on the humanistic literatures of Petrarch and Boccaccio, the social-historical writings of Castiglione and Machiavelli and the epic works of Ariosto and Tasso. 3 credits

**ITAL 2314 MANZONI AND *I PROMESSI SPOSI***

Prerequisite: ITAL 2101-2102 and/or 2113-2114 or permission of department

A careful analysis of Alessandro Manzoni's great 19th-century novel. Also examined will be the romantic and intellectual-cultural milieu from which the novel evolved. 3 credits

**ITAL 2315 THE ITALIAN THEATER**

Prerequisite: ITAL 2101-2102 and/or 2113-2114 or permission of department

Examines the Italian theater from the Middle Ages to contemporary times. Emphasis on the Commedia dell'arte, the reformed theater of the Settecento, il melodramma, il teatro del verismo and the theater of the absurd. Major figures studied include Goldoni, Alfieri, Verga, and Pirandello. 3 credits

**ITAL 2316 THE ITALIAN LITERARY CINEMA**

Prerequisite: ITAL 2101-2102 and/or 2113-2114 or permission of department

An examination of the literary roots of the Italian cinema. Emphasis is given to the literary inspirations of the films of such directors as Bertolucci, De Sica, Pasolini, Visconti and Zeffirelli. 3 credits

**ITAL 2321 (MO 243) LA DIVINA COMMEDIA I**

Analysis of Dante Alighieri's *Inferno*; literary and political significance. 3 credits

**ITAL 2322 (MO 244) LA DIVINA COMMEDIA II**

Dante Alighieri's *Purgatorio* and *Paradiso*. Emphasis on the literary, philosophical and political meanings. 3 credits

**ITAL 3894 JJ Co-op I** (See Co-op Adviser)

**ITAL 3895 JJ Co-op II** (See Co-op Adviser)

**ITAL 3896 JJ Co-op III** (See Co-op Adviser)

For description, see page 31, 56 or 169. 3 credits

**Russian Language**

**RUSS 1001-1002 (MO 51-52) ELEMENTARY RUSSIAN I AND II**

Fundamentals of grammar. Pronunciation and syntax. Reading-oral-aural-writing competence is stressed. 6 credits

**RUSS 1101-1102 (MO 53-54)**

**INTERMEDIATE RUSSIAN I AND II**

Prerequisite: RUSS 1002

Review of the essentials of grammar, vocabulary building, conversation and composition. Reading of modern prose. 6 credits

**RUSS 2111-2112 (MO 55-56) ADVANCED RUSSIAN I AND II**

Prerequisite: RUSS 1102

Rapid review of grammar. Practice in conversation and writing advanced compositions; emphasis on idiomatic constructions. Reading selections from the main currents of Russian literature. 6 credits

**RUSS 2113-2114 (MO 57-58) SCIENTIFIC RUSSIAN I AND II**

Prerequisite: RUSS 1002

Technical material in recent publications in the physical sciences. 6 credits

**Russian Literature**

**RUSS 2115-2116 (MO 59-60)**

**INTRODUCTION TO RUSSIAN LITERATURE I AND II**

Prerequisite: RUSS 1102

Major writers from the 18th to the 20th centuries: Turgenev, Goncharov, Pushkin, Lermontov, Tolstoy, Gogol, Dostoevsky and others. 6 credits

**RUSS 2313-2314 (MO 253-254) MODERN RUSSIAN LITERATURE I AND II**

Prerequisite: RUSS 1102

Representative Russian writers from Pushkin through the modern period. 6 credits

**Spanish Language**

**SPAN 1001-1002 (MO 81-82) ELEMENTARY SPANISH I AND II**

Fundamentals of grammar. Pronunciation and syntax. Reading-oral-aural-writing competence is stressed. 6 credits

**SPAN 1101-1102 (MO 83-84) INTERMEDIATE SPANISH I AND II**

Prerequisite: SPAN 1002  
Review of the essentials of grammar, vocabulary building, conversation and composition. Reading of modern prose. 6 credits

**SPAN 2101 (MO 87) INTERMEDIATE SPANISH CONVERSATION**

Prerequisite: SPAN 1102  
Conversational practice. Drill in correct pronunciation, articulation and intonation. Vocabulary and idiom study—conducted in Spanish. Required for majors and minors; not available to native speakers of Spanish. 3 credits

**SPAN 2102 (MO 88) APPLIED SPANISH CONVERSATION**

Prerequisite: SPAN 2101  
Development of conversational skills applied to occupational situation. 3 credits

**SPAN 2401-2402 (MO 91-92) SPANISH FOR HISPANICS I AND II**

Addresses the specific linguistic problems of students whose native language is Spanish and who want to improve their knowledge of it. Study of the basic elements of Spanish orthography and grammar as related to listening, speaking, reading and writing. 6 credits

**SPAN 3111 (MO 281) ADVANCED SPANISH GRAMMAR AND COMPOSITION**

Prerequisite: SPAN 2102  
Continuation of the fundamentals of grammar and syntax applied to writing of compositions. 3 credits

**SPAN 3112 (MO 282) ADVANCED COMPOSITION**

Prerequisite: SPAN 3111  
Practice in different styles and techniques of writing. Required for majors and minors. 3 credits

**SPAN 3116 (MO 220) SPANISH PHONETICS**

Prerequisite: SPAN 1102  
Designed for correcting and improving pronunciation. Required for majors; not available to native speakers of Spanish. 3 credits

**SPAN 3211 (MO 85) HISPANIC CIVILIZATION**

Prerequisite: SPAN 2102  
Development of the Spanish pattern of civilization from pre-Roman times to the present. Required for majors. 3 credits

**SPAN 3212 (MO 86) SPANISH-AMERICAN CIVILIZATION**

Prerequisite: SPAN 2102  
Evolution of the Spanish-American pattern of civilization from the pre-Hispanic period to the present. Required for majors. 3 credits

**SPAN 4111 (MO 191) BUSINESS SPANISH: CORRESPONDENCE**

Prerequisite: SPAN 3112  
Practice in contemporary business, administrative and personal correspondence in Spanish. 3 credits

**SPAN 4112 (MO 192) BUSINESS SPANISH: TRANSLATION**

Prerequisite: SPAN 3112  
Skills and techniques of business translation from English to Spanish and from Spanish to English. 3 credits

**Spanish Literature**

**SPAN 3311 (MO 161) INTRODUCTION TO HISPANIC LITERARY STUDIES**

Prerequisite: SPAN 3112  
Study of literary genres, concepts, periods, and movements in relation to Spanish Peninsular and Spanish-American literature. Required for majors. 3 credits

**SPAN 4311 (MO 162) MEDIEVAL AND RENAISSANCE SPANISH LITERATURE**

Prerequisite: SPAN 3311 or permission of department  
Outstanding Spanish literature from its beginning to the 16th century. 3 credits

**SPAN 4312 (MO 171) SPANISH GOLDEN AGE DRAMA AND POETRY**

Prerequisite: SPAN 3311 or permission of department  
Outstanding Spanish playwrights and poets of the 16th and 17th centuries. 3 credits

**SPAN 4313 (MO 172) SPANISH GOLDEN AGE PROSE**

Prerequisite: SPAN 3311 or permission of department  
Outstanding Spanish prose writers of the 16th and 17th centuries, with emphasis on Cervantes and the picaresque. 3 credits

**SPAN 4314 (MO 173) ROMANTIC AND REALISTIC SPANISH LITERATURE**

Prerequisite: SPAN 3311 or permission of department  
Major Spanish writers of the 19th century. 3 credits

**SPAN 4315 (MO 175) GENERATION OF 1898 AND MODERNISM**

Prerequisite: SPAN 3311 or permission of department  
Representative Spanish writers of the 19th and early 20th centuries. 3 credits

**SPAN 4317 (MO 174) MODERN SPANISH LITERATURE**

Prerequisite: SPAN 3311 or permission of department  
Representative Spanish writers of the Generation of 27 and post-civil war period. 3 credits

**SPAN 4318 (MO 177) SPANISH-AMERICAN NARRATIVE**

Prerequisite: SPAN 3311 or permission of department  
Development of the Spanish-American novel and short story from the colonial period up to the Boom. Reading and analysis of representative works. 3 credits

**SPAN 4319 (MO 178) SPANISH-AMERICAN THEATER AND POETRY**

Prerequisite: SPAN 3311 or permission of department

Development of the Spanish-American theatre from the colonial period to the present. Reading and analysis of representative works.

3 credits

**SPAN 4320 (MO 179) SPANISH-AMERICAN NARRATIVE II**

Prerequisite: SPAN 3311 or permission of department

Study of the Spanish American novel and short story from the Boom to the present. Reading and analysis of representative works.

3 credits

**SPAN 4321 (MO 180) SPANISH AMERICAN POETRY**

Prerequisite: SPAN 3311 or permission of department

Development of Spanish-American poetry from the colonial period to the present. Study and analysis of representative works.

3 credits

**SPAN 4322 (MO 287) SPANISH AMERICAN ESSAY**

Prerequisite: SPAN 3311 or permission of department

Study of the Spanish-American essay. Reading and analysis of representative works.

3 credits

**SPAN 4323 (MO 285) SPANISH LITERATURE OF THE CARIBBEAN**

Prerequisite: SPAN 3311 or permission of department

Representative authors from Cuba, Dominican Republic and Puerto Rico.

3 credits

**SPAN 5391-5392-5393 (MO 297-299) SPANISH SEMINAR**

Prerequisite: SPAN 3311 or permission of department

Study of a special topic announced by the department.

SPAN 5391 1 credit  
SPAN 5392 2 credits  
SPAN 5393 3 credits

The following courses offer the opportunity for individual projects in reading and research. A faculty adviser, chosen from the department, will work closely with the student in preparing the proposal for the independent study, in scheduling meetings, and in directing both, independent research and assignments. A final paper is normally required. These courses are limited to seniors and majors in the department who have received the departmental approval. Exceptions to this policy may be considered to suit individual needs and demands.

**FREN 4391-4392 (MO 219-220) STUDIES IN FRENCH LITERATURE I, II**

6 credits

**GERM 4391-4392 (MO 225-226) STUDIES IN GERMAN LITERATURE I, II**

6 credits

**ITAL 3391-3392 (MO 241-242) STUDIES IN ITALIAN LITERATURE I, II**

6 credits

**RUSS 3391-3392 (MO 251-252) STUDIES IN RUSSIAN LITERATURE I, II**

6 credits

**SPAN 4391-4392-4393 (MO 283-284) STUDIES IN SPANISH LITERATURE I, II, III**

9 credits

## DEPARTMENT OF PHILOSOPHY

**Distinguished University Professor:**  
Murphy

**Professors:** Dalcourt (*Chairperson*);  
Herrera; Smith

**Associate Professors:** Anderson;  
Caminiti; O'Connor; Stark

**Assistant Professors:** Klein; Medina;  
Radtke

The Department of Philosophy offers a program of study leading to the degree Bachelor of Arts. The department seeks to open students to the mainstream of western culture by introducing them to ideas of important philosophers since the dawning of philosophy in ancient Greece. By doing so, the department attempts to enhance the critical intelligence of the students and to promote in them a vision of human life, its meaning and values. To this end, the department tries to give students not only a speculative appreciation of philosophy, but also a practical one, inasmuch as philosophy discloses a way of life that can be fruitful and satisfying because it is based on a conviction of human worth.

In addition to offering courses toward major and minor programs in philosophy, the department offers courses directly relating to other major pro-

grams and courses that serve as electives for students who wish to study philosophy more extensively.

must complete a minimum of 36 credits in philosophy. In general, required courses will be taken in the order listed. However, all programs are worked out in consultation with a departmental adviser who may modify the program in view of the student's background and objectives.

## Major Program

In conjunction with meeting the standards and requirements of the College of Arts and Sciences, degree candidates

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### Departmental Requirements

	Credits
PHIL 1104 Logic	3
PHIL 1105 Ethics	3
PHIL 1114 Epistemology	3
PHIL 1120 Ancient Philosophy	3
PHIL 1130 Medieval Philosophy	3
PHIL 1140 Modern Philosophy	3
PHIL 1150 Contemporary Philosophy	3
PHIL 2616 Metaphysics	3
PHIL 3330 Research Seminar	3

In addition to the required courses, students must take 9 additional credits in philosophy electives.

Students considering graduate work in philosophy are encouraged to take PHIL 1211 Symbolic Logic.

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## Minor Program

The minor in philosophy is a rigorous and flexible complement to students' major programs in Arts and Science, Business, Nursing or Education. In conjunction with meeting college core requirements, the minor in philosophy requires students to complete a minimum of 18 credits in philosophy according to the distribution given below. Each student's program will be devised in consultation with a faculty adviser.

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### Distribution

- I. Introductory Courses (6 credits)
  - PHIL 1101 Introduction to Philosophy (required)
  - PHIL 1104 Logic or PHIL 1105 Ethics
 Both Courses in this section should be taken prior to those in sections II and III.
- II. History of Philosophy (6 credits)
  - PHIL 1120 Ancient Philosophy
  - PHIL 1130 Medieval Philosophy
  - PHIL 1140 Modern Philosophy
  - PHIL 1150 Contemporary Philosophy
- III. Elective Courses (6 credits)

## Course Descriptions

### **PHIL 1101 (PH 1) INTRODUCTION TO PHILOSOPHY**

Philosophy as the study of "the big questions." How philosophy is different from science and religion. The major figures, areas and types of philosophy. A variety of basic issues discussed in depth. 3 credits

### **PHIL 1102 (PH 10) PHILOSOPHY AND THE CLASSICAL MIND**

The development of Western philosophy from its origin with the ancient Greeks to 1450 A.D., as seen against the background of the history of the Western culture. 3 credits

### **PHIL 1103 (PH 11) PHILOSOPHY AND THE MODERN MIND**

The development of modern Western philosophy, considered in its complex interrelations with the scientific, social and ideological transformations of the six hundred years from the Renaissance to the present. 3 credits

### **PHIL 1104 (PH 12) LOGIC**

Nature of thinking, truth, and validity. Uses of language. Concepts and propositions. Deductive and inductive reasoning. Fallacies. 3 credits

### **PHIL 1105 (PH 13) ETHICS**

The functions and methods of moral philosophy. A comparison of the major ethical theories. Analysis of a wide range of common moral issues. 3 credits

### **PHIL 1110 (PH 100) PHILOSOPHY OF ART**

Historic and thematic study of theories of aesthetics, including those of Greece. Emphasizes modern and contemporary views of beauty and art in the variety of individual and social expression. 3 credits

### **PHIL 1114 (PH 14) EPISTEMOLOGY**

Survey and criticism of the variety of human knowing and knowledge: factual and non-factual; sensory and extrasensory; scientific, artistic and religious. Theories discussed are rationalism, empiricism, pragmatism, idealism and realism. 3 credits

### **PHIL 1115 (PH 15) PHILOSOPHICAL PSYCHOLOGY**

The main theories of human nature and functioning from Plato to the more important contemporary thinkers. 3 credits

### **PHIL 1116 (PH 119) EXISTENTIALISM**

Existential traits in great world literary figures from Dostoevsky, Goethe, Kierkegaard and Nietzsche to the contemporary world of philosophy, literature and art as expressed by Camus, Sartre and representatives of the Theater of the Absurd. 3 credits

### **PHIL 1120 (PH 21) ANCIENT PHILOSOPHY**

Review of the major philosophies of the ancient world from the pre-Socratics to the Stoics. Emphasis on Plato and Aristotle. 3 credits

### **PHIL 1130 (PH 31) MEDIEVAL PHILOSOPHY**

Review of the thought of the Middle Ages from St. Augustine to William of Ockham,

emphasizing Anselm, Bonaventure and St. Thomas Aquinas. 3 credits

### **PHIL 1140 (PH 41) MODERN PHILOSOPHY**

Review of philosophical developments from the Renaissance to the end of the 19th century. Emphasis on Descartes, Locke, Hume, and Kant. 3 credits

### **PHIL 1150 (PH 51) CONTEMPORARY PHILOSOPHY**

Major philosophical movements of the 20th century including existentialism, logical positivism, Marxism, phenomenology, linguistic analysis and neo-scholasticism. 3 credits

### **PHIL 1204 (PH 120) SYMBOLIC LOGIC**

Nature of formal deductive systems. Argument forms and the matrix method of testing validity. Propositional calculus. Propositional functions and quantifiers. Nature and foundations of logic. 3 credits

### **PHIL 1225 (PH 125) AMERICAN PHILOSOPHY**

Pre- and post-colonial philosophical-theological thought: New England transcendentalism, pragmatism of Pierce, James and Dewey; philosophy in America today. 3 credits

### **PHIL 1232 PHILOSOPHY OF DEATH**

Students inquire into the meaning of death by reading selected philosophical texts and reflecting on their own relevant experiences. 3 credits

### **PHIL 1240 (PH 140) POLITICAL PHILOSOPHY**

Basic theories of political organizations in western culture, including origins, justification, legitimacy, purpose, liberty and political obligations. Philosophical examination of basic presuppositions and concepts of political organization: authority, order, freedom and anarchy. Readings from the history of political philosophy (from ancient Greece through contemporary theories) in some detail. 3 credits

### **PHIL 1245 (PH 145) PLATO AND PLATONISM**

Introduction to the thought of Plato in the major dialogues and a survey of Platonic trends in medieval and modern thought. 3 credits

### **PHIL 1246 (PH 146) ARISTOTLE AND THE ARISTOTELEAN TRADITION**

Introduction to the thought of Aristotle through his major works on logic, natural philosophy, psychology, metaphysics, ethics and politics. Revival of Aristoteleanism in the Middle Ages; impact of Aristotle on post-medieval thinkers. 3 credits

### **PHIL 1250 (PH 150) PHILOSOPHY OF LAW**

Main varieties of legal philosophy. Sources and development of legal thought. Law and morality. Legal responsibility and punishment. Function of law in society. 3 credits

### **PHIL 1251 (PH 151) (AFAM 2416) BLACK CULTURAL PHILOSOPHY**

For description, see page 60. 3 credits

**PHIL 1265 (PH 165) NICHOLAS OF CUSA**  
 Historical perspective—the last “medieval,” first “modern.” The meaning of *docta ignorantia* and *conjectura*. Cusa’s critique of rationalism, its cosmological-metaphysical implications. Mathematical, scientific and mystical aspects of his experiential philosophy. His influence in the past and present. 3 credits

**PHIL 1270 (PH 170) PHILOSOPHY OF RELIGION**  
 Historical perspective of the three paths by which man has attempted to reach the Supreme Being: the speculative, the moral and the mystical. Theories on the nature of religion and the role it plays in human life. 3 credits

**PHIL 1271 (PH 171) PHILOSOPHY OF ST. THOMAS AQUINAS**  
 Prerequisite: PHIL 1101  
 Historical background. Life and achievements of Aquinas, analysis of the main themes of his philosophy, development and influence of Thomistic philosophy, its continuing relevance. 3 credits

**PHIL 1280 (PH 180) PHILOSOPHICAL HUMANISM**  
 Examines the multi-dimensional character of philosophical humanism by tracing its affirmation of freedom and subjectivity from the ancient Greeks, through the Middle Ages and the Renaissance, down to the Marxist and existentialist humanists of our time. 3 credits

**PHIL 1281 (PH 181) MODERN SOCIETY AND HUMAN HAPPINESS**  
 Analysis of various theories of human nature and human happiness from ancient Greece to the present. Non-Western thought also examined. Success or failure of these theories as applied to late 20th-century modes of life. Possibility of new solutions. 3 credits

**PHIL 1286 (PH 190) 20TH-CENTURY ITALIAN PHILOSOPHY**  
 The “Italian situation” before and after the First World War. Fascism, and its origins and tenets. Croce and aesthetics. Social and idealistic philosophy of Gentile. Present trends. 3 credits

**PHIL 1287 (PH 195) FREEDOM IN A TECHNOLOGICAL WORLD**  
 Historical development of the idea of freedom. The different senses and kinds of freedom: freedom of the will, the free personality, political, economic and social freedom. Limits of freedom and privacy because of racial and sexual prejudices, computer bank data, credit cards, electronic surveillance etc. 3 credits

**PHIL 1310 (PH 205) PHILOSOPHY OF SCIENCE**  
 Relates the development of scientific theory and method to philosophical theory and method; the dialogue and interaction between philosophy and science throughout history and in modern times. Emphasizes the philosophical presuppositions and implications of science and vice-versa. Consideration of the impact of philosophy and science on future worldwide human growth. 3 credits

**PHIL 1311 (PH 210) PHENOMENOLOGY**  
 Introduction to phenomenology through the study of the works of Husserl, Merleau-Ponty and others. 3 credits

**PHIL 1315 (PH 215) AUGUSTINIAN HERITAGE**  
 Outline of the career of St. Augustine’s thought — its themes, method and style—in Medieval and Modern philosophy. 3 credits

**PHIL 1320 (PH 220) CHRISTIAN MYSTICISM**  
 Review of Christian mystical literature with philosophical implications. Emphasis on Pseudo-Denis, Gregory of Nyssa, *The Cloud of Unknowing*, Bonaventure and the Spanish Carmelite Mystics. 3 credits

**PHIL 1330 PHILOSOPHY OF HISTORY**  
 Investigation, in historical perspective, of philosophies of history beginning with Augustine and ending with Marx, covering other figures such as Joachim of Fiore, Hildegard of Bingen, J.B. Vico, Hegel and Comte. 3 credits

**PHIL 1335 (PH 235) MAJOR GERMAN PHILOSOPHERS**  
 German philosophers of the modern era in light of their attempt to achieve a unified mastery of reality and experience as a whole. The thought of Leibniz, Kant, Fichte, Hegel and Nietzsche. 3 credits

**PHIL 1345 (PH 245) THE CONFESSIONS OF ST. AUGUSTINE**  
 Synthesis of his thought based on a textual analysis of the *Confessions*. His place in history: historical roots, contribution to his own age, evaluation of his influence today. 3 credits

**PHIL 1350 (PH 250) GERMAN IDEALISM**  
 Precursors of Hegel: Schelling and Fichte. The Hegelian synthesis and the Hegelians of the right and the left. Development of idealism and the counter-movement which gave rise to the philosophy of the individual and prepared for the double movement of phenomenology and existentialism. 3 credits

**PHIL 1355 (PH 255) MARXISM**  
 Lives and works of Marx, Engels and Lenin. Analysis of their main ideas, recent developments in Marxist philosophy in America and abroad. Evaluation and application. 3 credits

**PHIL 1360 (PH 260) 20TH-CENTURY ANALYTICAL PHILOSOPHY**  
 Developments in the analytic tradition of 20th-century philosophy from the realism of G. E. Moore through the logical analysis of Bertrand Russell to the linguistic analysis of Wittgenstein, Wisdom and Ryle. The movement called “logical positivism” and its successor “logical empiricism.” 3 credits

**PHIL 1375 (PH 275) PHILOSOPHY OF EVOLUTION**  
 Major theories concerning the origin and evolution of the universe and the principles governing the evolution of life. Meaning of scientific inquiry in evolutionary theory; prospects for further human evolution. 3 credits



**PHIL 1380 (PH 280) SPINOZA**

Introduction to the thought of Spinoza through the study of the *Ethics* and the *Tractatus Theologico-politicus*. Historical, religious and cultural background. 3 credits

**PHIL 1385 PHILOSOPHY OF LOVE**

Western philosophy of love from ancient times to the present as manifested in art, literature, philosophy and the historical record of daily life. Merging oriental influences. 3 credits

**PHIL 1713 (PH 290) PHILOSOPHY OF LANGUAGE**

Approach to the origins and use of language from primitive to contemporary man. Mythic naming, the advent of discursive language and logic, language disturbances. Review of the literature on the subject, with emphasis on von Humboldt and Cassirer. 3 credits

**PHIL 1729 (PH 135) THE PHILOSOPHY OF CAPITALISM AND SOCIALISM**

A philosophic analysis and evaluation of present day socio-economic systems. The historical development of capitalism and socialism. Their theoretical bases. A philosophical critique of current problems and trends. 3 credits

**PHIL 1918 (PH 135) SPANISH PHILOSOPHY**

Introduces the thought and cognitive "style" of Spanish thinkers from the mystics and scholastics of the Golden Age to Unamuno (*The Tragic Sense of Life*), Ortega (*My Life as Radical Reality*) and Zubiri (*The Problem of God*). 3 credits

**PHIL 2390/2393 (PH 295) INDEPENDENT STUDY**

(Under guidance of a faculty member and with permission of chairperson)

Study of a specific philosophy or philosophical theme, not studied or not studied in depth in the regular philosophy courses. 3 credits

**PHIL 2616 (PH 16) METAPHYSICS**

Prerequisites: PHIL 1120

Investigates the meaning of existence and nature, the properties of being, causality, relation between mind and reality, the question of the existence of an infinite, transcendent being (God). 3 credits

**PHIL 2924 (PH 270) ORIENTAL PHILOSOPHY**

Basic concepts and ways of thinking of some eastern philosophies including Hinduism, Buddhism, Taoism and Confucianism, readings from their sacred texts. Comparisons and contacts with the ways of thinking of western philosophy. 3 credits

**PHIL 3330 (PH 299) RESEARCH SEMINAR**

Primarily for philosophy majors and minors. The main research resources used in philosophy. How to research and write a philosophical paper. Students write and discuss a number of short papers on topics of personal interest to them. 4 credits

# DEPARTMENT OF PHYSICS

**Distinguished University Professor:**  
Jaki

**Professors:** Ashworth, (*Co-op Adviser*),  
Stamer (*Chairperson*)

**Associate Professors:** Ansari; Kim,  
Schleifer

**Assistant Professor:** Guerrero

The Department of Physics offers programs of study leading to the degree of Bachelor of Science. The department provides students with a comprehensive grounding in the laws governing the behavior of matter. The intimate relationship between theory and experiment and the open, dynamic character of physics are stressed. Topics of current interest in fundamental physics and modern technology receive special emphasis.

Students majoring in physics can choose one of the following three options:

1. for students desiring a conventional program in physics to be followed by graduatework in physics or a related field.
2. for those who intend to seek employment in industry or government at the B.S. level, or those considering a career in secondary education.
3. **Five-Year Double Degree Program.** This program, ideal for technically-oriented students, is conducted jointly with the New Jersey Institute of Technology (NJIT) and leads to a B.S. degree in physics from Seton Hall University and a B.S. degree in mechanical, electrical or civil engineering from NJIT. Students spend three years at Seton Hall and two years at NJIT.

There may, however, be additions or subtractions from the departmental requirements, which will be determined by each student and his or her adviser

and which will depend on the specific needs and interests of the student.

## Major Program

In addition to meeting the core curriculum requirements of the College of Arts and Sciences, degree candidates must complete the following coursework:

### Physics Core Requirements

	Credits	
PHYS 1701-1702	General Physics I & II	6
	<i>or</i>	
PHYS 1705-1706	Principles of Physics I & II	6
PHYS 1811-1812	Physics Laboratory	2
PHYS 2185	Introductory Modern Physics	4
PHYS 2186	Waves and Oscillations	3
PHYS 2883	Electronics I	3
PHYS 3119	Mathematical Methods of Physics I	4
PHYS 3121	Mechanics I	3
PHYS 3185	Electricity and Magnetism I	3
PHYS 3217	Modern Optics	3
	and six credits of Laboratory work (PHYS 3811-4815)	6

### Other Required Courses

MATH 1401,1411,2411	Calculus I, II, III	12
MATH 2413	Calculus IV	
<i>or</i> PHYS 2112	Physical Applications of Mathematical Techniques	4
CHEM 1103-1104	General Chemistry I & II	8

Students intending to do graduate work must take a minimum of 12 elective credits from the following list. Students should select courses in consultation with their departmental adviser.

PHYS 3122	Mechanics II	3
PHYS 3186	Electricity & Magnetism II	3
PHYS 4219	Statistical Physics	3
PHYS 4211	Quantum Mechanics I	3
PHYS 4212	Quantum Mechanics II	3
CHEM 3411	Physical Chemistry I	3

A student planning industrial employment must take the following:

CHEM 2215	Analytical Chemistry I	4
PHYS 2884	Electronics II	3
CSAS	Computer Science Elective	3

## Minor Program

The physics minor requires a minimum of 18 credits from each of the following four elements:

	Credits
1. Basic Principles of Physics	
PHYS 1601-1602 or PHYS 1701-1702 or PHYS 1705-1706	6
2. Laboratory Component	
PHYS 1811-1812 or PHYS 1815-1816 or PHYS 2883	2 or 3

3. Principles of Modern Physics  
 PHYS 2185 Introductory Modern Physics 4
4. Specialized Electives  
 PHYS 2112, 2186, 2883, 2884, 3121-3122, 3185-3186, 3217,  
 4219 or 4211 6 to 8

## Course Descriptions

Prerequisite to all courses listed below is successful completion of the New Jersey Basic Skills Computation and Algebra test, or equivalent tests administered by the Seton Hall University Department of Mathematics.

### ERTH 1019 (PY 9) INTRODUCTION TO GEOLOGY

Descriptive survey of the science of the earth; the composition of the earth, weathering and erosion; the formulation and movement of glaciers; the origin of mountains, volcanoes, earthquakes and deserts; and geological history of the earth. Field trips when possible.

3 credits

### PHYS 1001 (PY 1) INTRODUCTION TO PHYSICAL SCIENCE

For non-science students. Emphasis on concepts and methods of physical sciences. Topics range from gravitation and astronomy to modern scientific frauds.

3 credits

### PHYS 1007 (PY 7) INTRODUCTION TO ASTRONOMY

Survey of the historical development and current status of astronomy. The solar system, stars and galaxies, quasars, pulsars, black holes and models of the universe and its history. 8-inch and 16-inch telescopes are used for observation on clear nights.

3 credits

### PHYS 1601-1602 (PY 61-62) INTRODUCTORY PHYSICS I & II

Prerequisite: MATH 1401

Newton's Laws, harmonic oscillations, wave motion, special relativity, heat and thermodynamics, statistical physics, physical optics, modern and atomic physics, electricity and magnetism, AC and DC circuits. Laboratory included.

6 credits

### PHYS 1701-1702 (PY 71-72) GENERAL PHYSICS I & II

Corequisite: MATH 1401-1411

Mechanics, sound and heat, elementary electricity and magnetism, optics and elementary modern physics.

6 credits

### PHYS 1705-1706 (PY 75-76) PRINCIPLES OF PHYSICS I & II

Prerequisite: MATH 1401-1411 or permission of instructor

Corequisite: PHYS 1811-1812

Vectors, kinematics and dynamics, heat and thermodynamics, electricity and magnetism, introduction to Maxwell's equations, physical and geometrical optics and elementary modern physics.

6 credits

### PHYS 1811-1812 (PY 77-78) PHYSICS LABORATORY I & II

Corequisite: MATH 1401-1411, and PHYS 1701-1702 or PHYS 1705-1706

Experiments in mechanics, sound, heat, light, electricity and magnetism and radiation. Statistical analysis.

1 credit each

### PHYS 1815 (PY 79) PHYSICS LABORATORY AND DATA ANALYSIS I

Prerequisite: MATH 1401

Corequisites: PHYS 1705, MATH 1411

Scientific programming with applications to data analysis in addition to all experiments in PHYS 1811. Additional topics include linear regression and numerical integration.

2 credits

### PHYS 1816 (PY 80) PHYSICS AND DATA ANALYSIS II

Prerequisite: PHYS 1815

See PHYS 1812 — Data analysis involves programs discussed in PHYS 1815.

1 credit

### PHYS 2112 (PY 112) PHYSICAL APPLICATIONS OF MATHEMATICAL TECHNIQUES

Prerequisite: MATH 3411 and PHYS 1705 or PHYS 1701

Selected applications of differential equations, vectors, matrices and determinants, Sturm-Liouville theory and orthogonal functions, numerical analysis, and probability and statistics to the physical sciences.

4 credits

### PHYS 2185 (PY 85) INTRODUCTORY MODERN PHYSICS

Prerequisite: a year of general physics

Corequisite: MATH 2411 or permission of instructor

Special relativity, kinetic theory and thermodynamics, early quantum theory, atomic models, particle physics.

4 credits

### PHYS 2186 (PY 86) WAVES AND OSCILLATIONS

Prerequisite: MATH 2411

Oscillations of particles and rigid bodies; vibrations and waves in one to three dimensions; sound and electromagnetic waves.

3 credits

### PHYS 2883 (PY 93) ELECTRONICS I

Prerequisite: PHYS 1602 or equivalent

Circuit analysis; electronic instruments; digital and analog integrated circuits; microcomputer interfacing. One laboratory meeting per week.

3 credits

**PHYS 2884 (PY 94) ELECTRONICS II**

Prerequisite: PHYS 2883

Analog-to-digital and digital-to-analog circuits; assembly/high-level programming and interfacing; resonance; Fourier series. Laboratory included. 3 credits

**PHYS 3119-3120 (PY 119-120) MATHEMATICAL METHODS OF PHYSICS I & II**

Prerequisite: MATH 1401

Vector analysis. Curvilinear coordinate systems. Determinants and matrices. Infinite series. Functions of a complex variable. Second order differential equations and Sturm-Liouville theory. Fourier series. Integral equations. Calculus of variations. Probability. 8 credits

**PHYS 3121-3122 (PY 121-122) MECHANICS I & II**

Prerequisite: PHYS 2186

Newtonian mechanics; particle motion in one, two and three dimensions; systems of particles; rigid body motion; gravity; introductory Lagrangian formalism; small vibrations, special relativity; mechanics of continuous media. 6 credits

**PHYS 3185-3186 (PY 185-186) ELECTRICITY AND MAGNETISM I & II**

Prerequisite: PHYS 2186

Boundary value problems in electrostatics and magnetostatics; Maxwell's equations in differential form; time-dependent fields; plasma physics; radiation. 6 credits

**PHYS 3811-3815 (PY 101-105) ADVANCED LABORATORY I & II**

Prerequisites: PHYS 2883

Fall Semester:

PHYS 3811 (1 credit), PHYS 3812 (2 credits)

Spring Semester:

PHYS 3814 (1 credit), PHYS 3815 (2 credits)

PHYS 3811 and PHYS 3814 together cover a set of historically important experiments. PHYS 3812 and PHYS 3815 cover these same experiments to greater depth with additional topics. 1-4 credits

**PHYS 3217 (PY 207) MODERN OPTICS**

Prerequisite: PHYS 2186

Mathematics of wave motion; physical optics including polarization, diffraction and interference. Selected topics of current interest; fiber optics, integrated optics, lasers, holography and the principles of spectroscopy. 3 credits

**PHYS 3894 JJ Co-op I** (See Co-op Adviser)

**PHYS 3895 JJ Co-op II** (See Co-op Adviser)

**PHYS 3896 JJ Co-op III** (See Co-op Adviser)

For description, see page 31, 56 or 169. 3 credits

**PHYS 4211-4212 (PY 211-212) QUANTUM MECHANICS I & II**

Prerequisites: CHEM 3412 or PHYS 2185; PHYS 3186

Wave mechanics in one and three dimensions, hydrogen atom, spin, exclusion principle and multi-electron atoms in external fields. Time-independent and time-dependent perturbation theory with applications, scattering theory. 6 credits

**PHYS 4219 (PY 209) STATISTICAL PHYSICS**

Prerequisite: CHEM 3411 or PY 2185

Kinetic theory; quantum statistics; systems of interacting particles. Applications to solids. 3 credits

**PHYS 4290-4293 (PY 290-291) RESEARCH IN PHYSICS I-IV**

(For selected seniors majoring in physics)

Introduction to the methods of original investigation in experimental or theoretical physics. PHYS 4290 and PHYS 4291 (1 credit each), PHYS 4292 and PHYS 4293 (2 credits each) 1-4 credits

**Courses open to graduate and advanced undergraduate students:**

**PHYS 4811-4815 (PY 201-205) ADVANCED LABORATORY III & IV**

Prerequisite: Permission of instructor

Fall Semester:

PHYS 4811 (1 credit), PHYS 4812 (2 credits)

Spring Semester:

PHYS 4814 (1 credit), PHYS 4815 (2 credits)

Supervised research

**PHYS 6311-6312 (PY 301-302) THE PHILOSOPHICAL AND CULTURAL FOUNDATIONS OF PHYSICS I & II**

Seminar-type course based on selected writings on ancient and modern physics. Limitations and patterns of scientific thought. Analysis of the motivations of scientific theories. Survey of the limits of applicability of scientific knowledge to such non-science areas as metaphysics and theology. 6 credits

**PHYS 6313-6314 (PY 303-304) CULTURE AND SCIENCE I & II**

Seminar-type course. The stillbirths of science in all major ancient cultures (India, China, Pre-Columbian America, Babylon, Egypt); the failure of science to become a self-containing enterprise in classical Greece and among medieval Arabs; the birth of science in the medieval Christian West; the cultural roots of Newtonian science; the counter-science of 19th-century German idealism; the 20th-century scene; the cultural presuppositions of science. 6 credits

**PHYS 6315-6316 (PY 305-306) SCIENTIFIC COSMOLOGY I & II**

Seminar-type course on past and present trends in cosmology. Discussion of original texts in English translation. Topics: cosmological concepts in the ancient Orient and classical antiquity; the Copernican universe; the infinite universe of Descartes and Newton; the universe of Herschel; cosmology in the 20th century. 6 credits

# DEPARTMENT OF POLITICAL SCIENCE

**Professors:** Boutilier (*Co-op Adviser*);  
Brandon; Connors; Manley; Wish

**Associate Professors:** Adinaro;  
DiSalvio; Kennedy; Sedehi

**Assistant Professor:** Formicola (*Chair-  
person, Co-op Adviser*); Levin; Wald-  
man

tion for careers in law, government ser-  
vice, public affairs and the private sector  
of the American economy. To be aware  
of the intricacies of government regula-  
tions and policies which affect their  
businesses, most major commercial and  
industrial firms need personnel knowl-  
edgeable in public affairs. Public sector  
employment continues to be a major  
source of careers for students with a  
background in political science. In addi-  
tion, a prime area for students of public  
affairs is the non-profit service sector.

## Major Program

The Department of Political Science  
offers a program of study leading to the  
degree Bachelor of Arts and, in conjunc-  
tion with the Center for Public Service,  
a program of study leading to the degree  
Master of Public Administration.

The department offers training in the  
areas of American government and poli-  
tics, urban affairs, public administration  
and public policy, comparative politics  
and institutions, international organiza-  
tion and relations, political theory and  
behavior and public law.

The major program provides students  
with a basic education in the ideas,  
institutions and processes of politics  
and government, and provides prepara-

In addition to meeting the standards  
and requirements of the College of Arts  
and Sciences, degree candidates must  
complete a minimum of 37 credits in  
political science. The sequence and  
diversity of courses for all students will  
be worked out in consultation with a  
department adviser, who may modify  
the program in view of each student's  
background and objectives. Students are  
expected to acquaint themselves with  
the concepts and methods of related  
social science disciplines and to develop  
other skills requisite for the successful  
pursuit of their particular career objec-  
tives.

## Department Requirements

### First-Year Requirements:

Semester	Course		Credits
Fall	POLS 1001	Introduction to Political Science	3
	POLS 1211	American Politics	3
Spring	POLS 1401	Western Political Science	3
		or	
	POLS 1611	Comparative Politics	3
			<u>9</u>

### Second-Year Requirements:

Fall	POLS 1711	International Relations	3
			<u>3</u>

### Third-Year Requirements:

Fall	POLS 3310	Research Methods	3
Spring	POLS _____	At least one course at the 3000 level	3
			<u>6</u>

**Fourth-Year Requirements:**

Fall	POLS 5010	Research Seminar	4
Fall or			
Spring	POLS _____	At least one course at the 3000 level	<u>3</u>
			7

ELECTIVES: 12 credits. During the course of the four years students are to select 12 credits in political science credits for a total of 37 credits. No more than 6 credits in internships, cooperative education or practicum (courses in the 2500 series) may be applied toward the completion of the credit requirements for the major.

In addition, political science majors must complete MATH 1101 Statistical Concepts and Methods which fulfills the mathematics requirements for the College of Arts and Sciences.

all undergraduate students in the University who have an interest in political studies and wish to combine their own major with courses in government and politics. The minor consists of 18 credits distributed as follows:

**Minor Program**

The department also offers a minor in political science. The minor is open to

POLS 1001	Introduction to Political Science	3
4 courses at the 1000 or 2000 level		12
1 course at the 3000 level		3

**Course Descriptions**

**POLS 1001 INTRODUCTION TO POLITICAL SCIENCE**

Political science as an academic discipline: its scope and methods. Survey of basic concepts, principles and subdivisions of the discipline, including American politics, political theory, comparative government and politics, international relations and other areas. The modern state system, its theory, politics and workings. 3 credits

**POLS 1111 INTRODUCTION TO PUBLIC POLICY**

Explores the policy process, i.e., the analytic techniques for setting the agenda, policy formulation, implementation and evaluation. The course emphasizes how to think about government policy. 3 credits

**POLS 1113 PUBLIC ADMINISTRATION**

Introduction to the field through an exploration of its historical evolution, underlying values and its legal, fiscal, political, organizational and ethical environment. 3 credits

**POLS 1211 AMERICAN POLITICS**

Introduction to the institutions and processes of American national government, its development as a constitutional system and the political culture of American society. 3 credits

**POLS 1212 INTRODUCTION TO AMERICAN LAW (formerly 2219)**

The U.S. legal system compared to other common law, as well as to civil law and socialist legal systems. The constitutional framework of the U.S. legal system. Stability and change in the content of U.S. law with special reference to particular subject areas such as civil rights, contracts, torts, consumer protection, anti-trust, bankruptcy and the like. 3 credits

**POLS 1401 WESTERN POLITICAL THOUGHT I**

Introduction to, and analysis of, the major questions which have challenged Western political thinkers. Selected writers will include Plato, Aristotle, Machiavelli, Hobbes, Locke and Rousseau. 3 credits

**POLS 1411 WESTERN POLITICAL THOUGHT II**

Examination and analysis of the ideas of selected political theorists of the eighteenth and nineteenth centuries. 3 credits

**POLS 1611 COMPARATIVE POLITICS**

Comparative approaches to the study of politics. Analysis of functions, experiences and institutions of political systems, Western and non-Western. 3 credits

**POLS 1711 INTERNATIONAL RELATIONS**  
Analysis of forces affecting relations between nations and other global actors, including world-level and regional-level intergovernmental organizations as well as religious organizations. Special attention to the emerging nations and their impact on the international political system. 3 credits

**POLS 2110 CONTEMPORARY ISSUES IN U.S. PUBLIC POLICY**  
How the public policy agenda is shaped at national, state and local levels. Consideration of significant contemporary policy areas such as health, housing, education, criminal justice, drug enforcement, etc. Techniques included which help students to systematically analyze and evaluate policies. 3 credits

**POLS 2111 ISSUES IN COMPARATIVE PUBLIC POLICY**  
How public policy is shaped as well as variations of content of public policy in nations of the same political/economic type and in nations of different political/economic types. 3 credits

**POLS 2114 PERSONNEL ADMINISTRATION IN PUBLIC ORGANIZATIONS**  
Overview of the historical and contemporary structures and processes of personnel management in the public sector. 3 credits

**POLS 2115 THEORIES OF ORGANIZATION: THE BUREAUCRATIC PHENOMENON**  
Nature of bureaucracy and its effect on personality, social relations, group dynamics and social change. Special attention to contemporary theories of public organizations, nonprofit and profit-focused entities and to the role of power in bureaucratic setting and exchanges. Understanding pathologies of organizations and approaches to organizational revitalization. 3 credits

**POLS 2116 COURT ADMINISTRATION**  
History, development and current role of court management in the administration of civil and criminal justice. Role players, interaction of justice agencies with the courts and the bar. Selected problem areas will be emphasized, i.e., case flow, delay, jury management, budgeting and planning. 3 credits

**POLS 2118 THE GOVERNMENTAL BUDGETING PROCESS**  
Analysis of the budgetary process in the federal, state and local governments. Explores the various governmental roles and politics behind the budgeting process. 3 credits

**POLS 2120 PHILANTHROPY, VOLUNTEERISM AND THE NOT-FOR-PROFIT SECTOR**  
Introduction to the important social, political and economic aspects of organizations and activities in the third or "independent" sector, which is neither government nor business. The role of philanthropic foundations will receive particular attention. 3 credits

**POLS 2212 THE UNITED STATES CONGRESS**  
Composition and political organization of the American Congress. The committee system

and the process of lawmaking, and the political actors. Relations with other branches of government. 3 credits

**POLS 2213 THE AMERICAN PRESIDENCY**  
Evolution of the office. Nomination and election of a president. Roles and responsibilities. Contemporary institutional critique. 3 credits

**POLS 2214 THE AMERICAN JUDICIAL SYSTEM**  
Concepts of law and jurisprudence, functions and staffing of American courts, state and federal. Strengths and weaknesses of the jury system. The Supreme Court, how it decides, impact of its decisions, and the role of the court in American constitutional law. Controversy over judicial review. 3 credits

**POLS 2215 AMERICAN PARTIES AND INTEREST GROUPS**  
Analysis of the structure and operations of the party system on the local, state and national levels. Examines group and interest politics and techniques as well as their impact on the political processes. 3 credits

**POLS 2220 DEVELOPMENT OF THE AMERICAN CONSTITUTION**  
Origins of the Constitution. Analysis of selected issues in constitutional history. Emphasis on the impact of Supreme Court decisions on American political and economic culture. 3 credits

**POLS 2226 GOVERNMENT AND POLITICS OF NEW JERSEY**  
Structural study and functional analysis of state, county and local government in New Jersey. The functioning of local government at the block and neighborhood level. Issues of concern to communities. 3 credits

**POLS 2412 MODERN IDEOLOGIES**  
Examination of twentieth-century ideologies such as communism, fascism, nationalism, socialism and the major political thinkers associated with these. An analysis of the political background, socio-economic, cultural characteristics of twentieth-century popular movements, with emphasis on concepts, organization and manifestations. 3 credits

**POLS 2414 AMERICAN POLITICAL IDEAS**  
Introduction to major American political theorists, including representative thinkers such as Madison, Calhoun, Thoreau, Sumner, Dewey, Kirk, Viereck, Marcuse and King. 3 credits

**POLS 2415 CONTEMPORARY POLITICAL THEORY**  
Reading and analysis of selected twentieth-century political thought and philosophy of social science. Representative readings may include works from the Frankfurt School, contemporary liberal theorists, existentialists, phenomenologists and philosophers of social science. 3 credits

**POLS 2417 COMPARATIVE POLITICAL THOUGHT**  
Background to and contemporary dimensions of political thought in the varying world traditions. Chinese, Indian, Islamic, African, Latin American, Marxist-Leninist thought considered in relation to the main streams of the "Western Tradition." 3 credits

**POLS 2510 PRACTICUM IN POLITICS  
(formerly POLS 3199)**

Field experience and research on a part-time basis with either political party or candidates for legislative, executive or judicial offices.  
3 credits\*

**POLS 2511 INTERNSHIP IN PUBLIC  
ADMINISTRATION AND POLICY  
ANALYSIS (formerly POLS 3390)**

Field research with a public or a not-for-profit agency on a part-time basis. Analysis and examination of functions, processes and outputs of organizations in the public sector.  
3 credits\*

**POLS 2512 WASHINGTON D.C.  
INTERNSHIP (formerly POLS 3391)**

Opportunity for the student to be an intern in a governmental agency or nonprofit organization in Washington D.C. Students are placed in legislative, judicial or executive branch agencies, depending on interests/career goals, and work five days per week for one semester.  
6 credits\*

**POLS 2513 WASHINGTON D.C.  
RESEARCH (formerly POLS 3392)**

Book critiques and a research paper that integrate information the student gains in the classroom with fieldwork experience. Supervised by the Seton Hall faculty liaison.  
6 credits\*

**POLS 2514 WASHINGTON D.C. SEMINAR  
(formerly POLS 3393)**

Students attend a weekly seminar led by a professor associated with the Washington Center for Learning Alternatives and prepare a seminar paper.  
3 credits\*

**POLS 2516, 2517, 2518 COOPERATIVE  
EDUCATION (formerly POLS 3894-6)**

Students are placed in a "real work" situation in which they can combine their theoretical learning from the classroom with the practical application in a work setting. The on-site work is supervised by a faculty member and must have the approval of the faculty member before the beginning of the work. (See Co-op Adviser)  
3 credits\*

**POLS 2610 WOMEN AND POLITICS  
(formerly POLS 2410, 2311)**

The evolving legal, political and governmental positions of women in the world. Principal forces in the movement for liberation and power. Cross-cultural implications of the politicalization of women. The future and political women.  
3 credits

**POLS 2611 ASIAN POLITICS**

Political systems and behavior in modern Japan, China, India and Southeast Asia.  
3 credits

**POLS 2612 WESTERN EUROPEAN  
POLITICS**

The dynamics of politics and analysis of the evolution and present status of the political systems of selected European powers. 3 credits

**POLS 2613 THE POLITICS OF THE  
SOVIET UNION**

The Soviet political system under Lenin, Stalin, Krushchev, Brezhnev and Gorbachev.

Approaches to law, party-state relations, control of political movements and media. Projections for the future of the Soviet political system.  
3 credits

**POLS 2614 LATIN AMERICAN POLITICS**

Basic forces conditioning the politics of the area. The variety of governmental forces and party systems in Mexico and in selected Caribbean, South and Central American nations.  
3 credits

**POLS 2615 AFRICAN POLITICS**

Examination of African political systems. The salient variables—economic, social and political involved with discussion of specific experiences. Review of traditional background, colonial experience and post-independence era.  
3 credits

**POLS 2616 CONTEMPORARY CHINESE  
POLITICS**

Analysis of the political system of China; present trends and future prospects. 3 credits

**POLS 2712 INTERNATIONAL LAW AND  
ORGANIZATION**

Evolution and basic concepts of international law. Development of supra-national institutions since World War II.  
3 credits

**POLS 3010 INTERNATIONAL PUBLIC  
POLICY (formerly POLS 2112)**

Policy development in areas of transnational importance, such as arms control, environmental protection, global poverty and resource allocation.  
3 credits

**POLS 3011 ADVOCACY, LAW, POLICY  
AND AGING (formerly POLS 2113)**

Discussion of aging in America as well as the laws and policies of immediate relevance to the "elderly citizen." Special attention is given to the avenues available to the lobbyists and interest groups concerned with the status of the elderly.  
3 credits

**POLS 3013 FOREIGN POLICY MODELING  
AND DECISION MAKING**

Analysis of the major factors in the foreign policy arena as well as decision making models developed to understand the phenomena of American foreign policy. Simulations and modeling exercises are incorporated in this course.  
3 credits

**POLS 3090-99 ADVANCED STUDIES IN  
PUBLIC POLICY**

Selected topic designated before the semester in the area of public policy analysis. Students should have a good grounding in the study of public policy and be prepared to complete a rigorous term paper. Topics vary from semester to semester as the Department may direct. May be repeated for credit as the topic changes.  
3 credits

**POLS 3110 MANAGEMENT IN THE  
PUBLIC SECTOR (formerly POLS 2117)**

Overview and critique of modern management methods employed in public administration. Decision making models of public management. In-depth analysis of case problems.  
3 credits



**POLS 3111 COMPARATIVE AND INTERNATIONAL ADMINISTRATION (formerly POLS 2119)**

Analysis and comparisons of administrative structures, behavior and processes within the context of different nations, regions and international organizations. Attention to developed and developing political environments. 3 credits.

**POLS 3190-99 ADVANCED STUDIES IN PUBLIC ADMINISTRATION**

Selected topics designated before the semester in the area of public administration. Students should have a good grounding in the study of public administration and be prepared to complete a rigorous term paper. Topics vary from semester to semester as the Department may direct. May be repeated for credit as the topic changes. 3 credits.

**POLS 3210 CONSTITUTIONAL LAW (formerly POLS 2221)**

Approaches to Constitutional interpretation: Supreme Court decision making, Supreme Court as a small group. Fundamentals and principles of constitutional law. Illustrative case studies. 3 credits.

**POLS 3211 CIVIL LIBERTIES (formerly POLS 2222)**

Casebook analysis of the constitutional rights of the individual. Selected topics from the first, fourth, fifth, sixth, eighth and fourteenth amendments. Emphasis on contemporary issues and perspectives. 3 credits.

**POLS 3212 AMERICAN FEDERALISM (formerly POLS 2211)**

Examination of the nature of the Federal system, with historical origins, constitutional evolution and contemporary problem areas. Emphasis on theory, legal and fiscal relationships between levels of government. Comparisons with other federal systems, such as those of Canada, etc. 3 credits.

**POLS 3213 THE POLITICAL BEHAVIOR OF THE AMERICAN VOTER (formerly 2218)**

Theoretical and practical analysis of party alignment, campaigning, voter turnout and electoral decisions. 3 credits.

**POLS 3214 URBAN POLITICS (formerly 2223)**

The politics of the cities and suburban areas. Contemporary urban governmental forms, processes and problems. 3 credits.

**POLS 3215 U.S. POLITICAL ECONOMY**

The constitutional, legal and policy basis for operation and regulation of the U.S. economic system. Examines the important intersection of the economy and the political system such as the Federal Reserve system, the Securities and Exchange Commission, regulatory agencies and various laws in the antitrust, consumer protection, worker safety and collective bargaining areas. 3 credits.

**POLS 3290-99 ADVANCED STUDIES IN AMERICAN POLITICS**

Selected topics designated before the semester in the area of American politics. Students should have a good grounding in the study of American politics and be prepared to complete

a rigorous term paper. Topics vary from semester to semester as the Department may direct. May be repeated for credit as the topic changes. 3 credits.

**POLS 3310 RESEARCH METHODS (formerly POLS 1011)**

An introduction to social science research. Topics include: problem selection and formulation; hypotheses testing; research design; sampling; construction and administration of research techniques; elementary data analysis procedures such as coding, tabulation and cross-tabulation of data. Some statistical and computer applications are introduced. 3 credits.

**POLS 3410 DEMOCRACY (formerly POLS 2411)**

Considers various theories and practices of democratic society, including those of liberal, radical participatory and pluralistic democracy. Comparison of democratic theory and practice. 3 credits.

**POLS 3411 EMPIRICAL THEORY**

Combines the philosophy of science and social science with an introduction to positive political theory. Advances the students' knowledge of research design issues and statistical and computer applications to the research process. 3 credits.

**POLS 3412 CHURCH AND STATE IN AMERICA (formerly POLS 2416)**

The dynamic and changing relationship between religion and government in the U.S. Competing and cooperative actions between the institutions. Case studies in first amendment rights. 3 credits.

**POLS 3490-99 ADVANCED STUDIES IN POLITICAL THEORY**

Selected topics designated before the semester in the area of political theory. Students should have a good grounding in the study of political theory and be prepared to complete a rigorous term paper. Topics vary from semester to semester as the Department may direct. May be repeated for credit as the topic changes. 3 credits.

**POLS 3610 POLITICS IN THE THIRD WORLD (formerly POLS 2617)**

Deals with political systems and regional and interregional relationships among third world nations and between third world nations and first and second world nations. General problems of political development and economic modernization. 3 credits.

**POLS 3611 POLITICAL FERMENT IN THE MIDDLE EAST (formerly POLS 2619)**

Forces shaping the contemporary patterns of politics in the Middle East. Emphasis on Arab-Israeli relations and their implications for major powers. 3 credits.

**POLS 3612 FOREIGN POLICIES OF MAJOR POWERS (formerly POLS 2711)**

Variables affecting the formulation of foreign policy. Areas of cooperation and conflict among the super powers. 3 credits.

**POLS 3613 AMERICAN FOREIGN POLICY (formerly POLS 2217)**

Internal factors and global forces affecting policy and performance. Evolution of United States doctrine from isolationism to globalism. Current challenges and prospects.

3 credits

**POLS 3614 THEORY AND POLITICS OF COMMUNIST SYSTEMS (formerly POLS 2618)**

Development of Communist thought. Variants of communist thought and practice as epitomized by the Soviet, Chinese, Cuban and various Eastern European nations' experience. Attention to governmental structures and functions of communist countries put in a comparative perspective. Projections as to the future of communism.

3 credits

**POLS 3690-99 ADVANCED STUDIES IN COMPARATIVE POLITICS**

Selected topics designated before the semester in the area of comparative politics. Students should have a good grounding in the study of comparative politics and be prepared to complete a rigorous term paper. Topics vary from semester to semester as the Department may direct. May be repeated for credit as the topic changes.

3 credits

**POLS 3710 INTERNATIONAL POLITICAL ECONOMY**

Intersections of varying economic systems (capitalist, socialist, communist, etc.) in the global economy; international trade agreements; regional and global approaches to consumer and worker protection. The role of multi-national corporations and regulations of their activities on national, regional and global bases; functions and operations of the World Bank, International Monetary Fund, regional economic commissions of the United Nations, regional development banks, etc.

3 credits

**POLS 3711 THE POLITICS OF PEACE AND WAR**

Imperatives for and approaches to arms control and disarmament as well as conflict resolution and avoidance; dimensions of justice on national, regional and global bases; political and other reactions to peace studies as an emerging area of inquiry and commitment.

3 credits

**POLS 3790-99 ADVANCED STUDIES IN INTERNATIONAL RELATIONS**

Selected topics designated before the semester in the area of international politics. Students should have a good grounding in the study of international politics and be prepared to complete a rigorous term paper. Topics vary semester to semester as the Department may direct. May be repeated for credit as the topic changes.

3 credits

**POLS 5010 RESEARCH SEMINAR (formerly 5111-5711)**

Small group seminars in selected areas. This seminar is the capstone course and requires that students have completed most of their major courses before they enroll.

4 credits

**POLS 5011 INDEPENDENT STUDY**

Reserved for students who are unable to complete the Research Seminar in its normal format. Requires extensive collaboration with a faculty member and a major research report.

4 credits

**GEOG 1111 FUNDAMENTALS OF GEOGRAPHY**

Geography as a periodic relationship between the physical environment and life. Elements of the natural environment and their influences on human cultural activities.

3 credits

**GEOG 1112 PRINCIPLES OF HUMAN GEOGRAPHY**

Several patterns of economic, social and political adjustment that people make to their various habitats. Environmental factors as they relate to people.

3 credits

**GEOG 1113 PRINCIPLES OF POLITICAL GEOGRAPHY (formerly GEOG 2111)**

Analysis of physical and cultural factors in political areas throughout the world. Emphasis on the influence these factors exert on political organization and behavior.

3 credits

## DEPARTMENT OF PSYCHOLOGY

**Professor:** Lombardi (*Co-op Adviser*)

**Associate Professors:** Gubar; Hovancik; Lennon; Levy (*Chairperson*); Shannon

**Assistant Professors:** Burton; Kendig; Mickler; Vigorito; Volenski

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The Department of Psychology offers a program of study leading to the degree Bachelor of Arts. The department recognizes that the methods of scientific inquiry can be applied meaningfully and fruitfully to the understanding of individual behavior. The curriculum is designed to provide the student with a strong background in the methodology and content of psychology. Majors receive sound preparation for graduate study as well as entry level positions in psychology and related disciplines.

## Major Program

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete a minimum of 45 credits in psychology of which 33 are required. BIOL 1105-1106 and MATH 1201 are also required. Through the advising process individual programs are tailored to the student's needs and objectives. The psychology major requires the following courses:

	Credits
PSYC 1105-1106 Principles of Psychology	6
PSYC 1311 Using Computers in Psychology	3
PSYC 2311 Elementary Psychological Statistics	4
PSYC 3311 Experimental Psychology	4
PSYC 5111 Seminar in Psychology	3
Two of the following courses:	6
PSYC 2211 Personality	
PSYC 2212 Developmental Psychology	
PSYC 2214 Abnormal Psychology	
PSYC 2216 Social Psychology	
Two of the following courses (one with laboratory):	7
PSYC 3213 Perception	
PSYC 3214 Cognitive Processes	
PSYC 3215 Learning	
PSYC 3216 Motivation	
PSYC 3217 Physiological Psychology	

## Minor Program

The psychology minor is designed to insure that students be exposed to a range of perspectives, methodologies and content areas. Besides the introductory course(s) (PSYC 1101 or PSYC 1105-1106), students must select courses from each of the Developmental, Social Science and Natural Science categories. This provides sufficient breadth while permitting the student, with advisement, to obtain depth with the two remaining elective courses.

	Credits
<b>Required Courses</b>	
PSYC 1101 Intro to Psychology or	
PSYC 1105-1106 Principles of Psychology	3 or 6
<b>Developmental</b>	
PSYC 1212 Child Psychology	
PSYC 1213 Adolescent Psychology	
PSYC 1214 Adult Development	
PSYC 2212 Developmental Psychology	3
Electives	6
<b>Social Science</b>	
PSYC 1211 Psychology of Adjustment	
PSYC 2211 Personality Concepts	
PSYC 2214 Abnormal Psychology	
PSYC 2216 Social Psychology	3
<b>Natural Science</b>	
PSYC 3213 Perception	
PSYC 3214 Cognitive Processes	
PSYC 3215 Learning (4 credits with lab)	
PSYC 3216 Motivation & Emotion	
PSYC 3217 Physiological Psychology	
	<u>3 or 4</u>
	18-22

## Course Descriptions

### **PSYC 1101 (PS 1) INTRODUCTION TO PSYCHOLOGY**

Survey of the major content areas of psychology including physiological, perception, motivation, learning, cognition, personality, developmental, abnormal and social. 3 credits

### **PSYC 1105-1106 (PS 5-6) PRINCIPLES OF PSYCHOLOGY**

Prerequisite: PSYC 1105 is a prerequisite for PSYC 1106

(For students initially majoring in psychology; those transferring into the department may substitute other psychology courses for this requirement with the chairperson's approval)

Introduction to the major areas of the psychological study of behavior.

PSYC 1105: Basic research in the study of neurophysiology, sensation, perception, motivation, conditioning, arousal and awareness.

PSYC 1106: More complex psychological processes, including developmental processes, intelligence, personality, adjustment, methods of psychotherapy, creativity and social influences on behavior. 6 credits

### **PSYC 1211 (PS 10) PSYCHOLOGY OF ADJUSTMENT**

Contrasts normal with maladaptive adjustment. Attempts to develop a comprehensive theoretical model of human behavior stressing self-understanding. 3 credits

### **PSYC 1212 (PS 15) CHILD PSYCHOLOGY**

Child behavior and development with reference to motor abilities, language, intelligence, cognition, emotional and social development. Emphasis on normal human development in the early stages of life. 3 credits

### **PSYC 1213 (PS 20) ADOLESCENT PSYCHOLOGY**

Fundamental biological, cognitive and psychosocial changes during adolescence in the context of family, school and peer group. Vocational choice, juvenile delinquency, emotional disorders and substance abuse occurring in this period. 3 credits

### **PSYC 1214 (PS 166) ADULT DEVELOPMENT**

Study of men and women over the life span, beginning with early adulthood and concluding with death. Emphasis on the patterns of change and stability which occur as a function of biological, social and psychological development in life. 3 credits

### **PSYC 1215 (PS 130) PSYCHOLOGY OF WOMEN**

Examines biological, cultural and psychosocial influences on female development and personality. Emphasizes the role of women in contemporary culture. 3 credits

### **PSYC 1216 (PS 40) INDUSTRIAL PSYCHOLOGY**

Knowledge and methods of behavioral science applied to the structure and problems of industry. 3 credits

### **PSYC 1217 (PS 45) PSYCHOLOGY OF CAREERS**

Examination of the psychological and psychosocial factors related to career development and adjustment. Critical analysis of psychological theories relevant to these topics. 3 credits

### **PSYC 1218 (PS 55) DRUG & ALCOHOL ABUSE**

Psycho-social factors leading to drug use and abuse among students. Examination of short- and long-term psychological effects as well as systematic approaches to institutional modification. 3 credits

### **PSYC 1219 (PS 90) SPORT PSYCHOLOGY**

Introduction to the psychological aspects of athletic performance. Topics include roles of personality, physiology, motivation and cognition in sport, including training techniques found to improve performance. 3 credits

### **PSYC 1221 EXCEPTIONAL CHILD PSYCHOLOGY**

Psychological, biological, sociological and educational aspects of exceptionality. Giftedness, mental retardation, visual and hearing impairments, communication disorders, behavior problems, learning disabilities and physical handicaps. 3 credits

### **PSYC 1311 USING COMPUTERS IN PSYCHOLOGY**

Overview of the ways in which computers are used in psychology and related disciplines. Topics include interfacing computers for purposes of experimental control and monitoring of behavior, statistical analysis, database management, word processing, simulation and applications programming. 3 credits

### **PSYC 2111 (PS 220) HISTORY OF PSYCHOLOGY**

Prerequisite: PSYC 1101 or PSYCH 1105-1106  
Historical development of psychology from its origin in early philosophical thinking to the introduction of scientific methodology to the study of individuals. 3 credits

### **PSYC 2112 (PS 225) SYSTEMS OF PSYCHOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106  
Major areas of psychology from scientific beginnings to the present. Emphasis on development of these areas from the view of experimental research and theory. 3 credits

### **PSYC 2211 (PS 100) PERSONALITY CONCEPTS**

Prerequisites: PSYC 1101 or PSYC 1105-1106  
Individual, social and cultural factors in personality formation and development. Introduction to the concepts underlying the major theories of personality. 3 credits

### **PSYC 2212 (PS 165) DEVELOPMENTAL PSYCHOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106  
Basic principles, data and methods in the study of human development from conception to death. 3 credits

**PSYC 2213 (PS 163 & NP 163)****ADULT-CHILD RELATIONS**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Specific child-rearing techniques of use with various age groups. Helps teachers and parents develop positive relationships with children that promote physical and emotional health and establish a sound foundation for the development of desirable attitudes and socially effective behavior. 3 credits

**PSYC 2214 (PS 105) ABNORMAL PSYCHOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Introduction to the field of psycho-pathology and personality disorders. Examination of problems, causes and treatment approaches. 3 credits

**PSYC 2215 (PS 150) PSYCHOLOGICAL TESTING**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Theory, methodology and critique of psychological assessment and testing. Exposure to aptitude, achievement, vocational and personality tests as well as interview assessment techniques. 3 credits

**PSYC 2216 (PS 155) SOCIAL PSYCHOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Introduction to the major theoretical views and research in the field, including examinations of conformity and rejection; the bases of attraction, aggression and violence; the development of attitudes and beliefs; prejudice and discrimination. Application of research in medicine, the workplace, advertising, the military, politics and law. 3 credits

**PSYC 2217 (PS 162) CONSCIOUSNESS**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Examination of modern concepts of consciousness, including the physiological correlates of normal and altered states of awareness: split-brain studies, hypnosis, sleep and dreaming, meditation, biofeedback, parasensory experiences and alternative forms of healing. Synthesis of Western scientific models of consciousness with Eastern philosophical systems of thought. 3 credits

**PSYC 2311 (PS 108) ELEMENTARY PSYCHOLOGICAL STATISTICS**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Descriptive and inferential statistics in the design and interpretation of experimental data. Includes computer laboratory. 4 credits

**PSYC 2312 (PS 109) ADVANCED PSYCHOLOGICAL STATISTICS**

Prerequisite: PSYC 2311

Further elaboration of statistical theory and techniques. Consideration of sample size, statistical errors, analysis of variance, regression analysis and non-parametric statistics. Includes computer laboratory. 4 credits

**PSYC 3211 (PS 250) THEORIES OF PERSONALITY**

Prerequisite: PSYC 2211

Critical examination of personality theories and research in relevant areas. 3 credits

**PSYC 3212 (PS 285) ADVANCED SOCIAL PSYCHOLOGY**

Prerequisite: PSYC 2216

Research in the theoretical and applied areas of the field. Comprehensive examination of the major theories in the areas of contemporary interest. 3 credits

**PSYC 3213 (PS 215) PERCEPTION**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Examination of research literature pertaining to visual and auditory perception. Surveys of psychophysical methods; basic principles of visual acuity, color perception, perception of movement, constancies, development and learning, motivational factors, illusions, eidetic imagery, form identification, sound localization and perception of speech. 3 credits

**PSYC 3214 (PS 255) COGNITIVE PROCESSES**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Examination of theory and research on the mental processes that characterize thought, including attention, perception, memory, language, reasoning and problem solving. 3 credits

**PSYC 3215 (PS 270) LEARNING**

Prerequisites: PSYC 1101 or PSYC 1105-1106

An evaluation of the historical and contemporary research literature and theoretical issues concerning basic learning principles and processes (includes laboratory). 4 credits

**PSYC 3216 (PS 280) MOTIVATION & EMOTION**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Survey of historical and contemporary theories of motivation and emotion integrating concepts which have emerged from biological, cognitive and social approaches. 3 credits

**PSYC 3217 (PS 275) PHYSIOLOGICAL PSYCHOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Survey of the physiological basis for sensation and perception, motivation and emotion, altered states of consciousness and learning and memory. Basic neurophysiological methods and the functions of the nervous system included. 3 credits

**PSYC 3218 (PS 260) DEVELOPMENTAL PSYCHOBIOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106

Phylogenetic and ontogenetic development of behavior. Emphasis on biological evolution and the human being's place within the natural framework. Life span development emphasized with focus on the future developmental potential of humanity. 3 credits

**PSYC 3227 PHYSIOLOGICAL PSYCHOLOGY LABORATORY**

Pre- or Corequisite: PSYC 3217

Experimental examination of the role of physiological mechanisms in the mediation and control of behavior. Exercises include current techniques used to manipulate the nervous system and observe changes in behavior. 1 credit

**PSYC 3234 COGNITIVE PROCESSES**

Prerequisite: PSYC 1101 or 1105-1106

Examination of theory and research on the mental processes that characterize thought, including imagery, language, attention, memory, reasoning and problem solving, with discussion of the simulation of mental behaviors (includes lab). 4 credits

**PSYC 3311 (PS 211) EXPERIMENTAL PSYCHOLOGY**

Prerequisite: PSYC 2311

Examination of the principal methods of empirical psychological research with particular emphasis on experimental design and control procedures. Students develop the ability to assess and critically analyze extant psychological research and report their own research in a standardized format such as APA. 4 credits

**PSYC 3312 (PS 212) ADVANCED EXPERIMENTAL PSYCHOLOGY**

Prerequisite: PSYC 3311

Practical applications of the principles learned in PSYC 3311 in the laboratory or field environment. The student is involved in the design, execution, analysis and interpretation of an original research project. 4 credits

**PSYC 3411-3413 (PS 286-8) PRACTICUM IN PSYCHOLOGY**

Prerequisites: PSYC 1101 or PSYC 1105-1106, junior or senior standing

For students who have sufficient theoretical background to participate in applied fieldwork with a professional agency. Placement settings are based upon student objectives and are chosen in consultation with the instructor. Courses may be taken for a total of 12 credits. 3-6 credits

**PSYC 3591-3594 (PS 290-1) INDEPENDENT STUDY**

Prerequisites: PSYC 1101 or PSYC 1105-1106; junior or senior standing and approval of faculty adviser

Directed study and research in individual areas selected by the student in consultation with department adviser. Courses may be taken for a total of 6 credits. 1-6 credits

**PSYC 3894 JJ Co-op I** (See Co-op Adviser)

**PSYC 3895 JJ Co-op II** (See Co-op Adviser)

**PSYC 3896 JJ Co-op III** (See Co-op Adviser)

For description, see page 31, 56 or 169.

3 credits

**PSYC 5111 (PS 299) SEMINAR IN PSYCHOLOGY**

Prerequisite: PSYC 3311. For Senior Psychology Majors

An integrative course requiring the student to survey and organize the primary research literature and prepare an American Psychological Association format term project. 3 credits

# DEPARTMENT OF RELIGIOUS STUDIES

**Professors:** Abalos, Wimmer (*Chairperson*)

**Associate Professors:** Ahr, Mitchell, Nardone

**Assistant Professors:** Ballweg, Cafone, McReynolds, Pire, Webb

**Assistant Professor Emeritus:** Debold

**On Leave:** Morley

**Adjunct Assistant Professors:** Comandini, Holmes, Malone, Mihok, Raynor, S. Warren Smith

**Adjunct Instructor:** Foley

The Department of Religious Studies offers a program of study leading to the degree Bachelor of Arts. The department seeks to give students an understanding of Christian theology and the phenomenon of religion in its various manifestations. The religious quest is investigated in relation to other areas of life, particularly human relationships, social interaction and political realities.

Non-majors are advised to select introductory courses early in their college programs and to continue selections which complement their major programs, represent a diversion from them or help to develop new interests in fundamental issues of life and its meaning.

## Major Program

The religious studies program offers these concentrations:

- Biblical Studies
- History of Christianity
- Systematic Theology
- World Religions
- Ethical Studies

In addition to meeting the standards and requirements for the College of Arts and Sciences, degree candidates must complete a minimum of 36 credits in religious studies distributed as follows:

15 credits in Introductory Courses  
15 credits in One Concentration  
6 credits Outside the Concentration

## **Religious Studies National Honor Society, Theta Alpha Kappa (TAK), Local Chapter: Alpha Omicron**

Students with a 3.0 GPA and 3.5 in RELS who have earned 12 credits in Religious Studies are encouraged to apply for membership.

### **Minor Program**

To gain a minor in religious studies, students must complete the following program:

9 Credits in Introductory Courses  
9 Credits in One of the Concentrations

### **Minor Program in Archaeology**

The Department of Religious Studies cooperates with the Departments of Classical Studies and Sociology/Anthropology in offering an interdisciplinary program in archaeology. For information, see page 155.

## **Course Descriptions**

### **A. Biblical Studies**

#### **RELS 1102 (RS 60) INTRODUCTION TO THE BIBLE**

Formation of the Bible. Its literary, historical, particularly its theological dimensions. The religious communities of Biblical times, their worldview, beliefs and religious commitments. 3 credits

#### **RELS 2050 JESUS IN THE NEW TESTAMENT**

First century Palestine as the setting for understanding Jesus in his own history. Modern approaches for understanding Christ as expressed in the faith of the early Christian communities. 3 credits

#### **RELS 2111 (RS 261) GENESIS AND EXODUS**

Formation of sacred literature in the ancient world, particularly that of ancient Israel. Mosaic and prophetic traditions as they have come to us in the Bible. Detailed discussion of social, political and religious movements important for understanding what the Bible authors intended to say. Significant contribu-

tions from archaeology of the Near East in the form of slides, pictures and artifacts.

3 credits

#### **RELS 2112 (RS 162) THE PROPHEETS**

Prophetic faith and crisis theology in historical perspective. Formation of the prophetic literature in relation to other Biblical books. Prophetic "charisma" as expressed in the Bible compared and contrasted with the prophetic types variously projected by psychology of religion, sociology of religion, comparative religions and modern theology. Prophetic experience as the awareness of constructive individual social responsibility. 3 credits

#### **RELS 2113 (RS 61) BIBLICAL WISDOM IN MODERN ETHICS**

Clarification of values espoused by the ancients in the wisdom literature of Egypt, Mesopotamia and Israel. Particular emphasis upon Biblical literature, especially Job and Ecclesiastes. Critique of values compared and contrasted with modern social mores. 3 credits

#### **RELS 2121 (RS 160) ARCHAEOLOGY AND THE BIBLE**

Archaeological discoveries pertaining to the world of the Bible. The values and limitations of using archaeological and other scientific data for interpreting Biblical narratives. Some of the topics are creation/evolution, the flood, the exodus from Egypt, the rise and fall of Israel and Judah, the Babylonian exile, and Jerusalem and other biblical sites. 3 credits

#### **RELS 2122 PRACTICUM IN BIBLICAL ARCHAEOLOGY**

Application of archaeological method to specific biblical topics. 3 credits

#### **RELS 2151 (RS 166) THE GOSPELS OF MARK, MATTHEW, LUKE**

Gospels as literary testimonies to Christ risen and present. The writers' distinctive theological viewpoints passed from the lifetime of Jesus through a period of oral teaching to the final forms. 3 credits

#### **RELS 2152 (RS 167) THE GOSPEL OF JOHN**

Analysis of the background and text of the fourth gospel, leading to discussion of its understanding of Christian experience and belief in Jesus as Word Made Flesh. Analysis of the text, literary structure and theology. 3 credits

#### **RELS 2153 THE LETTERS OF PAUL**

The life and times and writings of the Apostle Paul. His Jewish training, his conversion to Christ, and his championship of Gentile forms for expressing Christian faith. 3 credits

#### **RELS 3191 (RS 169) SPECIAL QUESTIONS IN BIBLICAL STUDIES**

3 credits

### **B. The History of Christianity**

#### **RELS 1202 (RS 70) CHRISTIAN BELIEF AND THOUGHT: AN OVERVIEW FROM APOSTOLIC TO MODERN TIMES**

Introduction to significant doctrines and theological explanations of Christianity as these have occurred historically. Emphasis on the development of Christian faith and theology. 3 credits

**RELS 2221 (RS 171) EARLY CHRISTIAN THOUGHT**

Study of Christianity from Jesus and the apostolic preaching to the end of the great ecumenical councils and the beginning of the barbarian invasions. Emphasis on development of Christian theology, developing organization of the Church, interplay between Christianity and society, and the development of Christian art and literature. 3 credits

**RELS 2222 (RS 172) MEDIEVAL CHRISTIAN THOUGHT**

Development of Christian thought from Augustine to the eve of the Reformation. Influence of Augustine in the West; widening breach between Eastern and Western Christendom; rise of Islam and the interaction of the monotheistic faiths; religious orders and the universities; scholasticism and the achievement of Thomas Aquinas; dissolution of the medieval synthesis. 3 credits

**RELS 2223 (RS 173) MODERN CHRISTIAN THOUGHT**

Development of Christian thought from the Reformation to modern times. Early attempts at reform, the Protestant Reformation in Germany, Switzerland and England; the Catholic Reformation and the Council of Trent; the Orthodox Churches; the Peace of Westphalia and the religious settlement; the challenge of rationalism and the Christian response in modern times. 3 credits

**RELS 2224 (RS 176) EASTERN CHRISTIANITY**

Study of Eastern Christian Churches, past and present; their history, faith and doctrine, worship and sacraments and relations with the West. 3 credits

**RELS 2241 (RS 40) INTRODUCTION TO ECUMENISM**

Contemporary movement toward Christian unity and human solidarity, described in terms of its Biblical roots and theological principles. Persistent theological obstacles in attaining unity and solidarity; the ecumenical progress of recent decades and future possibilities. 3 credits

**RELS 2242 (RS 177) THE PAPACY IN ECUMENICAL PERSPECTIVE**

Attitudes of the various Christian churches to the papacy. Past history; present position in regard to papal primacy and infallibility; prospects for the future. 3 credits

**RELS 2251 (RS 258) AMERICAN BIBLICAL AND RELIGIOUS TRADITIONS**

Study of socially significant and creative Biblical themes and religious movements in America, such as "Wilderness," "Promised Land," "Covenanted People" and "The Kingdom of God," especially during the periods devoid of any great political leadership or economic power. 3 credits

**RELS 2261 (RS 148), (AFAM 2417), (BL 227) THE BLACK CHURCH**

3 credits

**RELS 3291 (RS 179) SPECIAL QUESTIONS IN CHRISTIAN HISTORY**

3 credits

**C. Systematic Theology**

**RELS 1302 (RS 80) INTRODUCTION TO CATHOLIC THEOLOGY**

Tasks and methods of the theology, its relation to other fields of learning, basic theological questions concerning the faith and worship of the Church. 3 credits

**RELS 2311 (RS 181) THE PROBLEM OF GOD**

Development and present situation of Christian notions of God and problems attendant upon these ideas and beliefs. Particular emphasis on contemporary Christian views about God and the immediate background to these views. 3 credits

**RELS 2312 (RS 183) THE CHURCH**

Inter-relationship between society and Church with a view toward determining the authentic nature and function of the Church. 3 credits

**RELS 2313 (RS 131) CHRISTIAN SPIRITUALITY**

Religious experience as the heart of various forms of Christian spirituality. Religious pre-conceptions that influence the manner of experiencing God. Examination of several fundamental models for the Christian experience to gain insight into a personal contemporary spirituality. 3 credits

**RELS 2314 (RS 184) LITURGY**

Relationship between cultural change and the on-going search questioning the symbols of faith and their relevance to contemporary experience. The concept of "sacrament" explored in light of a developing Catholic theology. The core of the course is an attempt to speak of Jesus, Church and Eucharist as fundamental symbols pointing to a sacred dimension of human life. 3 credits

**RELS 2315 (RS 188) THE THEOLOGY OF MARRIAGE**

Marriage of Christians from a theological point of view: past and present Christian understandings of the marriage relationship in light of Old and New Testament revelation. Sacramental theology; a consideration of theological issues involved such as indissolubility. 3 credits

**RELS 2316 (RS 186) THEOLOGY OF DEATH**

Consideration of death and dying, particularly from a Christian perspective. Death as a part of life; death as something in itself; death as a beginning. 3 credits

**RELS 2321 (RS 187) RELIGION AND SCIENCE: AN INTRODUCTION TO TEILHARD**

Investigation of Teilhard's theories about the pressing issues of the modern era and of the way his interpretation of current history is related to the most fundamental realities, such as the basic process of life, the beginning and end of history and God. 3 credits



**RELS 3391 (RS 189) SPECIAL QUESTIONS IN SYSTEMATIC THEOLOGY**

3 credits

**D. World Religions**

**RELS 1402 (RS 50) WORLD RELIGIONS**

Basic issues in major faith traditions of the world. Special emphasis on the religious experience as expressed in sacred literature and specific worldviews and mythologies. Considerations of traditional rituals and symbols as well as non-traditional forms used to express response to the sacred. 3 credits

**RELS 2410 (RS 150) ARCHAEOLOGY OF THE ANCIENT NEAR EAST**

Pre-Christian religious heritage of the West, in light of ancient documents and modern archaeology, with emphasis on key historical situations and sites of the ancient Near East. 3 credits

**RELS 2411 (RS 155) JEWISH BELIEFS AND PRACTICES**

Survey of the beliefs and observances of Judaism designed particularly for the Christian student. Jewish religious texts, the Sabbath and festivals, the family's role within Judaism, dietary laws, prayer and contemporary religious movements within Judaism. 3 credits

**RELS 2412 (RS 156) THE HOLOCAUST**

Survey of Nazi policies and actions against the Jews of Europe from 1933 to 1945. Historical Christian anti-Semitism and its relationship to the Holocaust; an historical description of the Holocaust; Christian reaction to it, and the reflections of Jewish and Christian theologians on the meaning of the Holocaust. 3 credits

**RELS 2415 INTRODUCTION TO ISLAM**

Introduction to basic elements of the Islamic tradition: the Koran, Prophet Muhammad, beliefs, rituals, mysticism, the arts, social and political history. 3 credits

**RELS 3101 (ASIA 3101) HISTORY OF ASIAN RELIGIOUS REFLECTIONS**

Origin and development of religious speculations in India from the Vedic period to Shankara; in China from Confucius to Chu Hsi; in Japan from Nara to the Meiji periods. 3 credits

**RELS 3491 (RS 159) SPECIAL QUESTIONS IN WORLD RELIGIONS.**

3 credits

**E. Ethical Studies**

**RELS 1500 (RS 10) THE RELIGIOUS DIMENSION OF LIFE**

Exploration of religious phenomena in various cultures with a view to clarifying the concept of "religion" and discerning those elements which constitute it. The attitudes and practices that characterize humanity as religious. Religious experience examined and compared, and viewed through the vehicles of literature and drama. 3 credits

**RELS 1502 (RS 20) CONTEMPORARY MORAL VALUES**

Relationship between human values and Christian belief. Evaluates the background and

validity of the modern protest against impersonal and rigid codes of morality. Attempts a mature and realistic understanding of ethical teaching of Jesus in light of personal experience. 3 credits

**RELS 1503 (RS 21) CHRISTIAN ETHICS**

Systematic study of the distinctive contribution of Christianity to ethical norms. Comparisons of various theories and moral systems with each other and with the ethical systems of non-Christian traditions. 3 credits

**RELS 2511 (RS 123) CHRISTIAN VALUES AND HEALTH**

Overview of some of the more significant ethical issues in medicine, biological research and health care confronting society, including genetic engineering, behavior modification, abortion, human experimentation, allocation of health care resources. Special emphasis on the Catholic moral traditions, with some examination of other Christian, Jewish and secular moralists. 3 credits

**RELS 2512 (RS 124) ETHICS IN BUSINESS**

Introduction to recent Christian teaching pertaining to the relationship between Christian values and the economic life of society. The principle of economic justice in society in light of Christian teachings. Exploration of a new international order through student-teacher dialogue. 3 credits

**RELS 2513 (RS 125) THEOLOGY OF PEACE**

War and peace from the perspective of Christian tradition, including Biblical foundations, pacifism of the early Church, St. Augustine, St. Thomas and modern Catholic social teaching. Morality of war and peace in the nuclear age; examination of the pastoral letter of the Catholic bishops. 3 credits

**RELS 2514 (RS 122) THEOLOGY AND SEXUALITY**

Catholic Christian views of sexuality examined first historically, then from a positive, contemporary approach, followed by considerations of present-day sexual moral problems. 3 credits

**RELS 2515 (RS 192) RELIGIONS AND AGING**

Roles religious traditions play in world cultures with reference to old age, life review, life satisfaction and life closure. Religiosity and spiritual well-being in contemporary gerontology literature. Religions in service and cooperation with state programs for alleviating inhumaneness in advanced aging. Positive valuation of a "new generation," the elders in society. 3 credits

**RELS 2516 (RS 191) RELIGION AND REVOLUTION**

Relationship between religion and social change. Topics include the role of religion in discerning the future direction of individuals and society; resources the religious dimension brings to an evaluation of social, political and cultural change. 3 credits

**RELS 3591 (RS 129) SPECIAL QUESTIONS IN ETHICS**

3 credits

**Independent Study**

RELS 3991-3993 (RS 197-199)  
**INDEPENDENT STUDY OF RELIGION**  
 Individual study of a student-selected topic under an appropriate professor in a program approved by the Department chairperson.

RELS 3991—1 credit  
 RELS 3992—2 credits  
 RELS 3993—3 credits

**DEPARTMENT OF SOCIAL WORK**

**Associate Professor:** Quartaro (*Chairperson*)

**Assistant Professors:** Blake; Roffman

**Adjunct Assistant Professors:** Cummings; Lowenkron

**Distinguished Visiting Professors:**  
 Rosa Perla Resnick

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The Department of Social Work offers a program leading to the degree Bachelor of Arts. The program prepares students for entry-level professional practice. Courses are also offered on the graduate level.

Dealing directly with people, social work is practiced on streets and playgrounds, in homes, schools, courts, correctional centers, hospitals, nursing homes, factories, banks, churches and synagogues — at the crossroads of life. The special concerns of social work are poverty, illness, racism, bureaucracy, indifference and other manifestations of human suffering and need. Social work is committed to the prevention of social problems and to the provision of social services.

Within this context, the curriculum of the social work program is planned to enable students to acquire a knowledge base, practice and research skills, while at the same time developing the value orientation, the self-discipline and the self-awareness required for professional practice.

Field practice (junior and senior-year internships) is an integral part of the total education program and provides opportunity to apply classroom content.

All University students may take social work courses (except for SOWK 2711, 2712, 2811, 2812 and 5111), but formal candidacy in the social work program requires application and consultation with the chairperson. Acceptance into candidacy is not automatic, and application must be made prior to the second half of the junior year.

Program advisers are available for consultation and guidance in developing individualized study programs as well as exploration into the appropriateness of social work as a professional career choice. Prospective social work candidates should seek advisement with department faculty as early as possible during their time at Seton Hall University.

With careful planning it is possible to complete the program at night and on weekends. All alternate programs must have the approval of the entire department faculty. The program is nationally accredited by the Council on Social Work Education.

**Social Work Minor**

A minor in social work is available. The minor consists of 18 credits in social work courses, excluding those at the 2700 and 2800 level. Students wishing to pursue a minor in social work must notify the department in writing and be assigned a faculty adviser.

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**Program Requirements**

In addition to the requirements of the College of Arts and Sciences, a total of 42 social work class and field credits are required.

		Credits
SOWK 1111	Introduction to Social Work	3
SOWK 2401	Social Welfare/International	3
SOWK 2411	Social Welfare/United States	3

SOWK 1711	Theory and Practice I	3
SOWK 1811	Helping Careers Practicum	3
SOWK 2511	Behavior and Environment	3
SOWK 2611	Social Work Practice and Research	3

The following set of courses, SOWK 2711 through SOWK 2812, must be taken concurrently, in the senior year, September through May. Formal candidacy, consultation with program advisers, completion of 100 credits and satisfactory completion of SOWK 1111, 2401, 2411, 1711 and 1811 are required.

SOWK 2711-2712	Theory and Practice II and III	6
SOWK 2811	Senior Practicum I	6
SOWK 2812	Senior Practicum II	6

The following course is reserved for graduating seniors, usually during the last spring semester.

SOWK 5111	Senior Seminar
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In addition, social work students must also complete the following 3-credit courses in other departments.

ALL of the following:

ANTH 1202	Cultural Anthropology
BIOL 1101	Introduction to Biology
AFAM 2311	Public Institutions vs. Black Self-Determination
ECON 1411	Introduction to Economics
MATH 1101	Statistics for Behavioral Sciences
	Modern Language—2 semesters
PSYC 1101	Introduction to Psychology

ONE of the following three:

SOWK 1311	Child Welfare
SOWK 1312	The Adolescent and Society
SOWK 1911	Introduction to Gerontology

ALL of the following:

PSYC 2214	Abnormal Psychology
SOCI 1101	Principles of Sociology
SOCI 2601	Social Problems
SOCI 2910	Research Methods

## Course Descriptions

### SOWK 1111 INTRODUCTION TO SOCIAL WORK

History and philosophy, theory and practice of social work, including professional purpose, knowledge, values, sanction, method, techniques and skills. Overview of social work fields of practice as these represent current division of labor in the profession with focus on social reform and social control functions. 3 credits

### SOWK 1191 INDEPENDENT STUDY IN SOCIAL WORK

Prerequisite: permission of instructor and chairperson  
Individualized and guided study in social work. Can cover a variety of topics and be designed to include field work, community service and research. 1 credit

### SOWK 1192 INDEPENDENT STUDY IN SOCIAL WORK

Prerequisite: permission of instructor and chairperson  
Individualized and guided study in social work. Can cover a variety of topics and be designed to include field work, community service and research. 2 credits

### SOWK 1193 INDEPENDENT STUDY IN SOCIAL WORK

Prerequisite: permission of instructor and chairperson  
Individualized and guided study in social work. Can cover a variety of topics and be designed to include field work, community service and research. 3 credits

**SOWK 1311 CHILD WELFARE**

Overview of principal supportive, supplementary and substitutive child welfare services: family service and child guidance, the social insurances, aid to families with dependent children, protective services, day care, adoption and institutional child care, including the current thrust toward child advocacy in the profession. 3 credits

**SOWK 1312 THE ADOLESCENT AND SOCIETY**

Investigation of issues in adolescent development and well-being and to examine methods of social work intervention derived from the ecological perspective. 3 credits

**SOWK 1314 SOCIAL WORK AND LAW**

Examines the advocacy role of the professional worker through study of American public policy and the problems of populations at risk. Focuses on cases and materials in law applicable to the aged, children and the physically and mentally disabled. Alternatives in housing, medical care and legal services. 3 credits

**SOWK 1315 CARE GIVING/MODERN SOCIETY**

Caring in the various helping professions. Emphasis on the integral relationship between the philosophy of caring and actual professional practice. 3 credits

**SOWK 1333 CURRENT ISSUES AND TRENDS IN SOCIAL WORK PRACTICE**

Examines selected issues and trends in social work practice. Areas selected for study vary each semester as need and demand indicate. 3 credits

**SOWK 1711 THEORY AND PRACTICE OF SOCIAL WORK I**

This is the introductory level course in a sequence of three theory and practice courses. Social work purpose and history, and the knowledge, skill and value bases will be utilized to lay the framework for beginning theory and practice. The interactional process will be stressed with emphasis on the worker, the client(s) and the environment. Human diversity is woven into all aspects of the course. Lecture, class discussions, role plays and case situations will be utilized as well as media and guest lectures. 3 credits

**SOWK 1811 HELPING CAREERS PRACTICUM**

Introductory field work experience for students planning a career in the helping professions. Students maintain a log and report to agencies at least 8 hours weekly. 3 credits

**SOWK 1911 INTRO TO GERONTOLOGY**

Overview of the basic facts about aging and aging processes including demography, biology, psychology, sociology and policy analysis. 3 credits

**SOWK 1912 PSYCHO-SOCIAL ASPECTS/AGING**

Examination of the person/situation of older adults, focusing on factors contributing to behavioral stability and change over time. Emphasis on traits, self-concepts and life styles; the roles of older adults; and the relationship of both person/situation to successful aging. 3 credits

**SOWK 2401 SOCIAL WELFARE/INTERNATIONAL**

Overview of some of the major social problems and social development policies and programs in industrialized and developing third-world countries and the philosophical and underlying value preferences of social welfare policy development. Four major policy concerns are considered: family assistance, children's services, services to the aged and health and medical care. 3 credits

**SOWK 2411 SOCIAL WELFARE/UNITED STATES**

Prerequisite: SOWK 2401

Systematic examination of major social welfare programs in the U.S. including the Social Security Act and its subsequent modifications. Emphasis on structure and organization of these programs and their effectiveness in meeting the social needs for which they were designed. Alternate social welfare planning and potential direction of the development of social justice in the U.S. 3 credits

**SOWK 2511 BEHAVIOR AND ENVIRONMENT**

Intensive introduction to the relationship between sex, race, ethnicity and socioeconomic status and human behavior, with emphasis on the relationship of human development to the group membership of the individual. 3 credits

**SOWK 2611 SOCIAL WORK PRACTICE & RESEARCH**

Selected research literature in social work examined within the framework of the interrelation of practice and research. 3 credits

**SOWK 2711 THEORY AND PRACTICE II**

Prerequisites: SOWK 1711, SOWK 1111, SOWK 2401 AND 2411 and formal admission to SOWK 2811

This course is the second course in a sequence of three theory and practice (methods) courses designed to help students develop the competencies required for ethical, effective and compassionate generalist professional practice. Completed simultaneously with SOWK 1811, the first semester of the Senior Field Practicum, this course will prepare students for professional practice with individuals, families and groups, with emphasis on assessment, planning and intervention. Human diversity is featured throughout the course. Student prepared logs are the major learning/assessment tools utilized. 3 credits

**SOWK 2712 THEORY AND PRACTICE III**

Prerequisite: SOWK 2711

This is the third course in the theory and practice (methods) sequence elaborating further the generalist approach to ethical, effective and compassionate practice. This course, concurrent with the second semester of the Senior Practicum, focuses on services to organizations and communities emphasizing the termination and evaluation phases of practice. Human diversity is featured through the course. Student prepared logs are the major learning/assessment tools utilized. 3 credits

### **SOWK 2811-2812 SENIOR PRACTICUM I & II**

Prerequisites: permission of instructor; formal candidacy for social work. Usually reserved for senior year. (Students must pay for professional liability insurance.)

Concurrent field work and classroom instruction to prepare students for entry-level professional practice. Students are expected to learn social work methodology through the assumption of direct service roles in an agency under the supervision of a professional social worker, maintain records as required by that agency, attend staff meetings and conferences, submit reports and be otherwise accountable to the agency as a beginning professional worker. Students maintain a log of class experiences and required readings. Includes 16 hours of field work weekly. 6 credits each

### **SOWK 5111 SENIOR SEMINAR**

Prerequisites: permission of instructor; formal candidacy for social work; limited to seniors.

Designed to help social work students integrate their beginning preparation for professional practice and to explore major issues confronting the profession and society today. Specific areas of interest identified by participants with the guidance of the seminar director(s). 3 credits

### **Field Practice Agencies**

Health care facilities; mental health centers; schools; corrections and other criminal justice programs; child welfare agencies; poverty programs; senior citizen programs; community action programs; multi-service centers; family service agencies; child guidance clinics; legal services; substance abuse treatment programs and others.

## **DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY**

**Professors:** Abalos; Kraft; Palenski (*Chairperson*); San Giovanni; Sullivan

**Associate Professors:** Atwater; Kayal; Zielyk

**Assistant Professors:** Athens; Jolly (*Co-op Adviser*); Launer; Powers; Santiago

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The Department of Sociology and Anthropology offers a program of study leading to the degree Bachelor of Arts in sociology or Bachelor of Arts in criminal justice. The department also offers

minor programs in sociology, anthropology and criminal justice. The department seeks to foster in students a critical intellectual capacity and an understanding of human behavior and human problems in a socio-cultural context. This capacity and understanding enables students to conduct systematic social analyses and helps them make decisions consistent with values in the Judeo-Christian tradition either to support or to change contemporary institutions, in particular the criminal justice system.

Sociology and anthropology give insight into the social relations in families, in communities, in groups and in organizations. They examine components of contemporary societies, such as religion, politics, education, business, health, law, language and art society and attempt to provide an appreciation of past societies. They cultivate an awareness of social influences on behavior and the requirements of living with others.

Many department graduates ultimately apply their skills as college teachers, researchers, demographers, urban planners, counselors, public relations specialists, market researchers, as well as in the fields of medicine, law and law enforcement. The goals of the undergraduate degree program are threefold: to provide a core of courses for students who may pursue further study on the graduate level; to prepare students to employ the sociological imagination and knowledge fruitfully in responsible positions in society; and to enable students to see, develop and use the humanistic dimension of sociology for their personal development and in behalf of the human community.

### **Distinguished Graduate Award**

To honor those graduates who have most successfully carried out the goals of the undergraduate program in their lives after graduation, the department bestows a "Distinguished Graduate Award on a University graduate." Each year faculty members nominate candidates from alumni in all department majors who best employ the principles of humanism and the social scientific imagination in their personal and pro-

fessional lives. The alumnus chosen as recipient is presented with the Distinguished Graduate Award at an annual reception, which is also the occasion for

inducting high achieving undergraduate majors into the honor society of their respective disciplines.

## Major Program in Sociology

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete department requirements in sociology and related fields. Students may modify the major program in consultation with a department adviser.

### Degree Requirements

The following courses are required for all sociology majors:

		credits
ANTH 1202	Cultural Anthropology	3
SOCI 1101	Principles of Sociology	3
SOCI 2910	Research Methods I (sophomore year)	3
SOCI 2911	Research Methods II	3
SOCI 3313	Classical Sociology Theory	3
SOCI 3314	Contemporary Sociological Theory	3
SOCI 5988	Senior Seminar in Sociology	3

- I. The GENERAL TRACK is designed for those majors who wish to achieve familiarity with a broad range of sociological topics. It should also be followed by those who intend to go on to graduate study in sociology. Students electing this option must take, in addition to the required courses, nine (9) credits in each of the following three divisions, for a total of 27 elective credits (specific courses which may be used to satisfy each division are listed below):

**Social Structure:** SOCI 2211 Sociology of the Family; SOCI 2511 Problems in Demography and Ecology; SOCI 2312 Urban Community; SOCI 2314 Organized Society: The Bureaucratic Phenomenon; SOCI 2511 Problems and Prospects of Growing Old; SOCI 2513 Inequalities of Power and Privilege; SOCI 2514 Sociology of Women and Men I; SOCI 2515 Race, Ethnicity and Social Class in American Society; SOCI 2313 Social Structure; SOCI 3511 Sociology of Women and Men II.

**Institutions:** SOCI 3212 Schooling, Society and Students; SOCI 2214 Sociology of Medicine; SOCI 2215 Sociology of Sport; SOCI 2411 Sociology of Art; SOCI 2415 Sociology of Language; SOCI 2512 The Meaning of Work: Occupations and Professions; SOCI 2213 Sociology of Law; SOCI 2713 Political Sociology; SOCI 2716 American Society; SOCI 2412 The Phenomenon of Religion.

**Social Dynamics:** SOCI 2416 Religion in American Life; SOCI 2601 Social Problems; SOCI 2701 Social Change; SOCI 2712 Contemporary World Cultures: Development; SOCI 2714 Strategies of Transformation; SOCI 2715 Religion and Revolution; SOCI 2812 Sociology of Sexuality; SOCI 3417 Sociology of Knowledge; SOCI 2813 Self and Society; SOCI 3815 Deviant Behavior.

- II. The AREA CONCENTRATION TRACK is provided for those sociology majors who wish to pursue thematic or career interests in a more focused way. Such students must, in addition to the required courses, complete eighteen (18) credits in one of the five areas of concentration listed below, and three (3) credits from each of the three divisions listed above under "General Track," for a total of 27 elective credits. Depending on the area, 3 to 6 ANTH

credits may be used to satisfy a concentration. The available areas of concentration, and the courses appropriate for each, are:

- A. **Business and Management** (for students interested in careers in the private, for profit sector: personnel, public relations, management, sales).  
SOCI 2211, SOCI 2311, SOCI 2314, SOCI 2315, SOCI 2512, SOCI 2513, SOCI 2514, SOCI 2515, SOCI 2713, SOCI 2716, SOCI 3315; ANTH 1202, ANTH 2223, ANTH 2228.
- B. **Pre-Professional** (for students preparing for the professions or for careers that involve working with them).  
SOCI 2211, SOCI 2212, SOCI 2214, SOCI 2314, SOCI 2512, SOCI 2514, SOCI 2617, SOCI 2713, SOCI 3412, SOCI 3417, SOCI 3815; ANTH 2222, ANTH 2224.
- C. **Public Service and Public Policy** (for students who intend to enter the public sector or the private, nonprofit sector).  
SOCI 2211, SOCI 2212, SOCI 2214, SOCI 2312, SOCI 2314, SOCI 2511, SOCI 2515, SOCI 2601, SOCI 2617, SOCI 2713, SOCI 2812, SOCI 2813, SOCI 3815; ANTH 1202, ANTH 1210, ANTH 2224, ANTH 2228.
- D. **Social Change and International Development** (for students interested in community organization, foreign service, comparative social problems).  
SOCI 2311, SOCI 2312, SOCI 2513, SOCI 2514, SOCI 2515, SOCI 2601, SOCI 2711, SOCI 2712, SOCI 2713, SOCI 2714, SOCI 3315, SOCI 3417, SOCI 3815; ANTH 1210, ANTH 2223, ANTH 2242, ANTH 2243, ANTH 2245, ANTH 2251.
- E. **Mass Media and Communications** (for students planning careers in these fields).  
SOCI 2215, SOCI 2314, SOCI 2411, SOCI 2415, SOCI 2512, SOCI 2515, SOCI 2601, SOCI 2713, SOCI 2716, SOCI 2812, SOCI 3417, SOCI 2813; ANTH 1210, ANTH 2228.

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## Minor Program in Sociology

The minor program in sociology aims to meet the following goals:

1. to give students a broad exposure to sociology;
2. to educate students about the major concepts of the discipline

and about the basic structural and processual dimensions of social life; and

3. to give students experience with advanced sociological analysis.

The minor program in sociology offers experience for students interested in careers such as law, health, education and public sector management.

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## Sociology Minors

### Required Courses

SOCI 1101	Principles of Sociology
SOCI 2601	Social Problems

### General Electives

*Any three of the following:*

ANTH 1202	Cultural Anthropology
CRIM 2617	Juvenile Delinquency
SOCI 2211	Sociology of the Family
SOCI 2312	Urban Community

SOCI 2412	The Phenomenon of Religion
SOCI 2513	Inequalities of Power and Privilege
SOCI 2514	Sociology of Women and Men I
SOCI 2515	Race, Ethnicity and Social Class in American Society
SOCI 2701	Social Change
SOCI 2712	Contemporary World Cultures: Developmental Perspectives II
SOCI 2813	Self and Society

**PLUS Advanced Electives**

*Any one of the following:*

SOCI 2313	Social Structure
SOCI 2417	Sociology of Knowledge
SOCI 2716	American Society
SOCI 3313	Classical Sociological Theory
SOCI 3314	Contemporary Sociological Theory
SOCI 3815	Deviant Behavior

## Course Descriptions

### Sociology and Criminal Justice

Note: SOCI 1101 is a prerequisite for all Sociology courses, except SOCI 2712.

#### SOCI 1101 (SO 91) PRINCIPLES OF SOCIOLOGY

Prerequisite for all SOCI courses, except SOCI 2712. Introduction to the sociological perspective, basic theoretical models and research methodologies as well as general sociological principles and problems of the discipline.

3 credits

#### SOCI 1111 (SO 90) THE SOCIOLOGICAL ENTERPRISE

Familiarizes the student major with the practical dimensions of sociology as a discipline and as a profession. Processes of family interaction. Alternatives to traditional family arrangements.

3 credits

#### SOCI 2211 (SO 120) SOCIOLOGY OF THE FAMILY

The family as the basic unit of society. Examination of its changing position and structure in modern America. Processes of family interaction. Alternatives to traditional family arrangements.

3 credits

#### SOCI 2213 (SO 126) SOCIOLOGY OF LAW

Examines legal institutions in their social context. The relationships between law and other norms; the formulation and implementation of laws; interdependence between the law and social structure, power, and change; the legal profession.

3 credits

#### SOCI 2214 (SO 128) SOCIOLOGY OF MEDICINE

Examines changing socio-cultural concepts of disease and treatment and the social context of medical practice. The experience of illness; comparative definitions of illness, health and social responsibility. Other topics include

stigma, AIDS, health, religion and epidemiology. The institutions of modern medicine.

3 credits

#### SOCI 2215 (SO 129) SOCIOLOGY OF SPORT

Sports as a major social institution and a significant part of popular culture. Examination of reciprocal relation between sports and society. The impact of social forces—urbanization, technology, bureaucracy, changing—ideas on nature of sport. Special topics include sports' relation to other institutions, such as family, politics, mass media, education, economy and religion.

3 credits

#### SOCI 2311 (SO 130) PROBLEMS IN DEMOGRAPHY AND ECOLOGY

3 credits

#### SOCI 2312 (SO 162) URBAN COMMUNITY

Sociological approaches to the city and its problems from the community perspective. History of cities from emergence to development of the megalopolis. Consideration of the structure of the city, life-styles, demographic trends and politics. Review of selected problems. Exploration of urban tensions, such as the rise of mass society and the persistence of local ties like families and ethnicity.

3 credits

#### SOCI 2313 (SO 295) SOCIAL STRUCTURE

Analysis of social structural as distinct from cultural or psychological aspects of situations and relationships. Interpersonal dynamics and problems of organizations are viewed in terms of reciprocity and role-playing. Comparative examination of selected institutions. Theoretical concepts related to everyday social living.

3 credits

#### SOCI 2314 (SO 192) ORGANIZED SOCIETY: THE BUREAUCRATIC PHENOMENON

Nature of bureaucracy and its effect on personality, social relations, group dynamics and



social change. Bureaucratic arrangements and processes in a variety of organizational contexts, such as the corporation, university, union, professional association, government bureau and church. Special attention to the role of power in bureaucratic settings and exchanges. 3 credits

**SOCI 2315 SMALL GROUP PROCESSES**  
3 credits

**SOCI 2411 (SO 122) SOCIOLOGY OF ART**  
Mutual influence between art and society. Style and content of art works as an expression of social structure, political regime and ideology. The artist as teacher and innovator. The organization of art activities. 3 credits

**SOCI 2412 (SO 124) THE PHENOMENON OF RELIGION**  
Critique of traditional sociology of religion through consideration of classical and recent works. Interrelationship of religion, society and culture on the rise of religious ideology and religious organization (churches, sects, "healing ministries"). The link between religion, sexism and homophobia. 3 credits

**SOCI 2415 (SO 135) SOCIOLOGY OF LANGUAGE**  
Language as the basis of group life and as the expression of a group's culture and experiences. Functions of language for social continuity, control and socialization. Language in special differentiation, in patterns of intergroup and interpersonal relations and in social control. 3 credits

**SOCI 2416 (SO 221) RELIGION IN AMERICAN LIFE**  
Religious basis of American society and culture; American civil religion; religion in assimilation; religion as a conservative force. The problem of societal integration and religious pluralism; nationalism and religious ideology; religion and social control vs. social change; counterculture movements. 3 credits

**SOCI 2417 (SO 290) SOCIOLOGY OF KNOWLEDGE**  
Examines "knowledge" in society and its relationship to social structure and individual consciousness. How the social attributes of groups as well as individuals affect the production, ordering and presentation of "information." The form knowledge will take in a particular society. 3 credits

**SOCI 2512 THE MEANING OF WORK: OCCUPATIONS AND PROFESSIONS**  
Work and occupation in today's society. Trends in the division of labor; links between occupation and social stratification; professionalization; occupational ideologies and associations. Career patterns and the various job markets. 3 credits

**SOCI 2513 (SO 166) INEQUALITIES OF POWER AND PRIVILEGE**  
Nature of social stratification and its relation to other aspects of society; distribution of influence and wealth; occupational structure; family relations; religious and educational

institutions; minority problems; cultural patterns. Comparison between "open class," caste and other arrangements. Sources of mobility and change in stratification system. 3 credits

**SOCI 2514 (SO 167) SOCIOLOGY OF WOMEN AND MEN I**  
Wide ranging exploration of women and men's changing place in society. Selected historical, anthropological, biological and psychological factors as sources of women and men's position in society; ways in which contemporary social structures and processes serve to both maintain aspects of their position and to generate more egalitarian roles and lifestyles for today's women and men. 3 credits

**SOCI 2515 (SO 168) RACE, ETHNICITY AND SOCIAL CLASS IN AMERICAN SOCIETY**  
Sociology of race and intergroup relations. Dominant-minority strategies reviewed historically from the perspectives of order and conflict models. Ethnicity in American life; integration and pluralism; the intersection of religion, race, nationality and assimilation; the new ethnicity; Hispanic and Asian immigration, Black Power and cultural pluralism. 3 credits

**SOCI 2601 (SO 140) SOCIAL PROBLEMS**  
Definition of social problems and comparison of major perspectives used in social problem analysis. Values and social problems. Treatment of selected problems by research, analysis in class and evaluation of politics for social improvement. 3 credits

**SOCI 2701 (SO 136) SOCIAL CHANGE**  
Social change reviewed and critically examined on socio-historical context. Questions about the relationship of social change to human community, world ecology and world government. 3 credits

**SOCI 2711 CONTEMPORARY WORLD CULTURES: COMPARATIVE PERSPECTIVES I**  
Serves as a prerequisite to SOCI 2712

Interrelationship of values and economic development. Basic concepts of social life examined cross culturally in India, Latin America and Africa. Connections between religious beliefs and social change. Ethnocentrism in cross cultural relations and development programs. The question and meaning of overpopulation. Framework for understanding contemporary events established. 3 credits

**SOCI 2712 CONTEMPORARY WORLD CULTURES: DEVELOPMENTAL PERSPECTIVES II**  
Prerequisite: SOCI 1711

This half of the two semester course provides students with the competence to view international and global issues in their sociocultural contexts. Application of social science concepts to contemporary topics such as Japan's economic miracle, the Iranian revolution, the Palestinian question, China's one-child policy and the Ethiopian famine. Integration of theoretical and historical perspectives on issues such as modernization, development and nationalism. 3 credits

**SOCI 2713 POLITICAL SOCIOLOGY**

Relationship between social structures and political ideologies. Analysis of the contemporary world political arrangements that follow yesterday's beliefs and social patterns. Value systems in the major approaches to political organization. 3 credits

**SOCI 2714 (SO 195) STRATEGIES OF TRANSFORMATION**

Capacity of individual persons and societies to allow breakdown and to open up new personal and institutional alternatives. Concrete strategies of transformation to provide for the awakening housewife, the frustrated businessman, the teacher, the counselor, the doctor, the lawyer, the person on the assembly line, and the student. 3 credits

**SOCI 2715 (SO 197) RELIGION AND REVOLUTION**

For description see page 135. 3 credits

**SOCI 2716 (SO 220) AMERICAN SOCIETY**

Systematic analysis of the structure of American society, its values and institutions. Dimensions of differentiation and modes in integration. Areas of continuity and change. 3 credits

**SOCI 2812 (SO 165) SOCIOLOGY OF SEXUALITY**

Exploration of the social dimensions and processes of human sexuality. How we learn to be sexual from childhood through adolescence and adulthood, and the social meaning and consequences of sexual expression, both marital and non-marital. Analysis of the kinds of sexual conduct defined as social problems, and a consideration of the effect of social change on sexual behavior. 3 credits

**SOCI 2813 (SO 193) SELF AND SOCIETY**

Socialization as the fundamental social process by which we first learn to become human and by which we continue to develop as persons. From the view of the individual and the view of the group, an investigation of how the aims of the individual and the group are accomplished in families, schools, jobs, marriages, parenthood and retirement. 3 credits

**SOCI 2910 (SO 180) RESEARCH METHODS I**

[With department permission, POLS 1011 may be substituted.]

Introduction to the enterprise of social science research. Problem selection and conceptualization; formulating research hypotheses and propositions; research design; sampling, instrument construction; data treatment and analysis procedures such as cleaning, coding, tabulation and cross tabulation of data; proposal preparation. 3 credits

**SOCI 2911 (SO 181) RESEARCH METHODS II**

Advanced instruction in social research requiring the completion of a small scale original research project. Non-response and response bias; scaling and indexes; missing data treatments; computer-assisted data analysis; multivariate analytical statistics; inference. 3 credits

**SOCI 2912 FIELD RESEARCH METHODS**

Opportunity to develop, refine and carry out field research projects proposed in SOCI 2910—Research Methods I. Practical techniques of research design and project development; practice and experience in field methods of interviewing and participant observation. Written report based on original field research. 3 credits

**SOCI 2913 AND CRIM 2912 (SO 160) SPECIAL ISSUES IN SOCIOLOGY AND CRIMINAL JUSTICE**

Topics to be announced by the department. Students should consult Registration Handbook for specific titles. 3-6 credits

**SOCI 3212 (SO 123) SCHOOLING, SOCIETY AND STUDENTS**

Education as a social institution; education and enculturation; formal organizational problems; educational philosophy; social functions of education; teacher and administrative problems; strategies of change, such as deschooling. 3 credits

**SOCI 3313 (SO 291) CLASSICAL SOCIOLOGICAL THEORY**

Prerequisites: SOCI 1101, or equivalent and one additional sociology elective.

Major sociological contributions of the classical theorists—Comte, deTocqueville, Le Play, Marx, Toennies, Weber, Durkheim, Pareto and Simmel—with emphasis on their interpretations of socio-historical change. 3 credits

**SOCI 3314 (SO 292) CONTEMPORARY SOCIOLOGICAL THEORY**

Prerequisites: SOCI 1101 and two additional sociology electives.

Theory building and the relation of theory to research. Major theoretical concepts and perspectives in recent sociology, with particular attention to convergency and continuities. 3 credits

**SOCI 3511 (SO 267) SOCIOLOGY OF WOMEN AND MEN II**

Degree and type of participation by women and men in the major institutions of American society. Exploration of women and men's roles in the areas of work, law, medicine politics, religion, sports, education, art, and the mass media; the relationship between feminism and social change. 3 credits

**SOCI 3815 (SO 296) DEVIANT BEHAVIOR**

Discussion of socially stigmatized behavior in light of balancing individual freedom and social order. "Deviant" identities, roles, behavior patterns and subcultures examined in relation to stereotyping, power, control attempts, and conflicts between groups. 3 credits

**SOCI 3894 JJ Co-op I (See Co-op Adviser)**

**SOCI 3895 JJ Co-op II (See Co-op Adviser)**

**SOCI 3896 JJ Co-op III (See Co-op Adviser)**

For description, see page 31, 56 or 169.

3 credits

**SOCI 5981 (SO 298) INDEPENDENT STUDY**

Prerequisite: permission of instructor

1 credit

**SOCI 5982 (SOC 293) INDEPENDENT STUDY**  
Prerequisite: permission of instructor  
2 credits

**SOCI 5983 (SO 297) INDEPENDENT STUDY**  
Prerequisite: permission of instructor  
3 credits

**SOCI 5987 (SO 294) SPECIAL THEORETICAL ISSUES IN SOCIOLOGY**  
Focuses on a particular area of issue or theoretical concern. Specifics to be announced.  
3 credits

**SOCI 5988 SENIOR SEMINAR IN SOCIOLOGY OR CRIMINAL JUSTICE**  
Content determined each year by sociology and criminal justice staff.  
3 credits

**CRIM 2612 (SO 141) THE CRIMINAL JUSTICE SYSTEM IN MODERN AMERICA**  
Examines the structure and function of the criminal justice system including an analysis of values underlying two models of the criminal process. Role of police, constitutional rights, and role of the attorney, the operation of the bail system, trial and role of the judge.  
3 credits

**CRIM 2613 (SO 142) VICTIMOLOGY**  
Consideration of victims of crime. Interaction between victim and offender in the criminal encounter, the risks of victimization, victim reactions to crime, the effect of victim characteristics on the legal system, and a survey of victim-oriented alternatives to conventional criminal justice.  
3 credits

**CRIM 2614 (SO 143) POLICE IN MODERN SOCIETY**  
History and changing role of the police. Variety of sociological perspectives used to examine recruitment and socialization of police personnel. Meaning and functions of police work, police-community relations, interactions between police departments and other official organizations (courts, prisons, schools, mental hospitals), police malpractice and control over police work. Comparison of police work in other modern societies, evaluation of various strategies for changing the role, and structure of police work.  
3 credits

**CRIM 2615 (SO 144) PENOLOGY**  
Analysis of different philosophies of treatment and current techniques. Past correctional approaches surveyed to understand the changes made in institutionalized handling of a major social problem. Economic, cultural and political trends as the social setting in which society attempts to fashion a "practical" manner of treatment.  
3 credits

**CRIM 2616 (SO 145) CRIMINOLOGY**  
Examines the phenomenon of crime from a sociological perspective. Meaning of crime, official and unofficial counts of crime, social correlates of crime, lifestyles and behavior patterns of criminals. Critical analysis of various theoretical frameworks for explaining crime.  
3 credits

**CRIM 2617 (SO 146) JUVENILE DELINQUENCY**  
Examines patterns of delinquent behavior among youth. The definition and measurement of delinquency; influence of kinship, educational, and other institutions on delinquency; social class and subcultural influences on delinquency; identification and processing of delinquents by official control agencies.  
3 credits

**CRIM 2618 (SO 147) COMMUNITY SUPERVISION**  
Study of community release movement in the U.S. Examination of parole and penal systems and their relationship to pre-prison identity and future behavior. Re-entry into this system, relationship between self-concept and status passage and notions of parole success and failure.  
3 credits

**CRIM 2619 (SO 148) PROSECUTION AND ADJUDICATION**  
Examination of middle stages of criminal justice system; prosecutor's decision to charge, pre-trial procedures, criminal trial, and sentencing. Discussion of central roles, case flow, current developments and defendant's legal rights at middle stage of criminal justice system.  
3 credits

**CRIM 3894 JJ (See Co-op Adviser)**  
**CRIM 3895 JJ (See Co-op Adviser)**  
**CRIM 3896 JJ (See Co-op Adviser)**  
For description, see page 31, 56 or 169.  
3 credits

**The following are special courses, open to all students in all departments and schools of the University with permission of the department chairperson.**

**CRIM 5984 and CRIM 5985 (CP 8-9) COMMUNITY EXPERIENCE I AND II**  
Prerequisite: 3.2 GPA or departmental approval.

Students learn and evaluate community practices and contribute to the services of community agencies. The department places the student in an agency of his or her choice. In addition to supervised agency work (8 hours weekly) the program consists of seminars, regular evaluation reports (logs), and preparation of a final academic paper related to the experience.  
3-6 credits

## Major Program in Criminal Justice

The Department of Sociology and Anthropology endeavors to provide an academically sound liberal arts education as well as a morally informed program to prepare students for professional careers in criminal justice. Graduates of the program are ready to enter careers in corrections, police and law enforcement services, delinquency prevention programs, criminal justice education, community-based corrections, the court system, probation and parole, or to further their professional education in law school.

The study of crime, criminal law and the criminal justice system encompassed by the program is geared to help students become aware of the never-ending need to monitor and improve the system. As part of the criminal justice program, students have regular contact with participants in the criminal justice system, including judges, ex-convicts, prisoners and their families, lawyers and public defenders. A supervised intern-

ship serves as a first-hand introduction to the operation of agencies in the field.

### Admission to the Program

Once accepted into the University, students wishing to major in criminal justice must contact the Department of Sociology/Anthropology and make an appointment with the chairperson. Upon admission to the program, majors must maintain a cumulative average of 2.0 in criminal justice courses.

### Transfer Students

All transfer students will be interviewed before being accepted into the program. They will be required to take at least 18 credits from Seton Hall University in Units III and IV to qualify for a criminal justice degree. Transfer students have one semester to reach the minimum required grade point average.

### Major Program Core Curriculum

The curriculum for the Criminal Justice Program is divided into seven units. Students must complete 48 credits from the following 3 credit courses. Starred (\*) courses are required.

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### Criminal Justice Majors

<b>Unit I:</b>	<b>Orientation to Sociology</b>
*SOCI 1101	Principles of Sociology
*SOCI 2910	Research Methods; or SOCI 2912-Field Research Methods
*SOCI 2911	Research Methods II
*SOCI 3314	Contemporary Sociological Theory
<b>Unit II:</b>	<b>Crime and Its Causation</b>
SOCI 2601	Social Problems
CRIM 2613	Victimology
*CRIM 2616	Criminology
CRIM 2617	Juvenile Delinquency
SOCI 3815	Deviant Behavior
<b>Unit III:</b>	<b>Societal Responses to Crime</b>
*CRIM 2617	The Sociology of Law; or ANTH 2222-Anthropology of Law
*CRIM 2612	The Criminal Justice System in Modern America
CRIM 2614	Police in Modern Society
*CRIM 2615	Penology
CRIM 2618	Community Supervision
CRIM 2619	Prosecution and Adjudication
<b>Unit IV:</b>	<b>The Sociological Imagination</b>
SOCI 2211	Sociology of the Family
SOCI 2713	Political Sociology

- \*SOC 2701 Social Change  
*or*
- \*SOC 2714 Strategies of Transformation
- \*SOC 2312 Urban Community  
*or*
- \*SOC 2513 Inequalities of Power and Privilege  
*or*
- \*SOC 2515 Race, Ethnicity and Social Class in America
- \*SOC 2314 The Organized Society: The Bureaucratic Phenomenon
- SOC 2514 Sociology of Women and Men I
- SOWK 1314 Social Work and Law

**Unit V: Field Work/Senior Seminar**

This unit provides for direct contact with the concrete workings of the criminal justice system. Proper supervision ensures theoretical analysis as well as practical experience from field placement.

- CRIM 5985 Community Experience (3-6 credits)
- \*SOC 5988 Senior Seminar (3 credits)

**Unit VI: Extra-Departmental Requirements**

Students are required to take four of the following courses, but no more than two courses should be chosen from the same department.

- AFAM 2311 Public Institutions vs. Black Self-Determination
- ECON 1411 Introduction to Economics
- POLS 1113 Introduction to Public Administration
- POLS 1211 Introduction to American Politics
- POLS 2116 Court Administration
- POLS 2221 Constitutional Law
- POLS 2222 Civil Liberties in the United States
- RELS 1502 Contemporary Moral Values
- SOWK 1111 Introduction to Social Work
- SOWK 1314 Social Work and Law

**Unit VII: Selected Criminal Justice Career Concerns**

Students are required to take one of the following courses:

- BMIE 1001 Computer Fundamentals
- PSYC 1218 Drug and Alcohol Abuse

## **The Criminal Justice Minor**

The purpose of a minor concentration in criminal justice is to lead interested students to an understanding of the contemporary criminal legal system and to supplement and enrich a related major course of study. The minor is suitable for people majoring in a social science, social work, pre-law, communications or preparing for any career in which a knowledge of the criminal justice system is useful.

**Criminal Justice Minors**

**Required Courses:**

- SOCI 1101 Principles of Sociology
- CRIM 2612 The Criminal Justice System in Modern America
- CRIM 2616 Criminology

**Elective Courses**

Any two of the following:

- CRIM 2611 The Sociology of Law or Anthropology of Law
- CRIM 2613 Victimology
- CRIM 2614 Police in Modern Society
- CRIM 2615 Penology
- CRIM 2617 Juvenile Delinquency
- CRIM 2618 Community Supervision
- CRIM 2619 Prosecution and Adjudication
- SOCI 2913 & CRIM 2912 Issues in Criminal Justice
- CRIM 5984 & CRIM 5985 Community Experience I and II
- SOCI 2815 Deviant Behavior

Any one of the following:

- SOCI 2211 Sociology of the Family
- SOCI 2713 Political Sociology
- SOCI 2701 Social Change
- SOCI 2312 Urban Community
- SOCI 2513 Inequalities of Power and Privilege
- SOCI 2515 Intergroup Relations
- SOCI 2314 The Organized Society
- SOCI 2714 Strategies of Transformation

**State/Municipal Police Program**

A contractual program between Seton Hall University and the New Jersey State Police provides an opportunity for graduates of the State Police Training Academy to earn a select number of academic credits during their training. The following courses are restricted to this program:

	Credits
<b>State Police</b>	
CRIM 2620 Social Problems for Law Enforcement Officers	3
ENGL 1027 Language and Composition	3
PSYC 1113 Psychology	3
CRIM 2625 Introduction to Criminal Justice I: Police Practice and Procedure	3
CRIM 2626 Introduction to Criminal Justice II: Criminal Law and Society	3
POLS 2221 Constitutional Issues in Contemporary Society	3
CRIM 5984 Community Experience I	3
EDST 1415 Physical Education I	3
EDST 1416 Physical Education II	3
ENGL 1025 Communications	2
<b>Municipal Police</b>	
CRIM 2620 Social Problems for Law Enforcement Officers	3
PSYC 1113 Psychology for Law Enforcement Officers	3
CRIM 2626 Introduction to Criminal Justice II: Criminal Law and Society	3
CRIM 5984 Community Experience I	3
EDST 1413 Physical Education	3

Further information can be obtained from University College.

Additional courses are offered on a part-time basis leading to the bachelor's degree at off-campus locations, such as Sea Girt.

Law enforcement officers also participate in the Institute for Criminal Justice.

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## State/Municipal Police Curriculum

### State Police Curriculum

ENGL 1027

CRIM 2620

PSYC 1113

ENGL 1025

CRIM 2525

CRIM 2626

POLS 2221

CRIM 5984

EDST 1415

EDST 1416

### Municipal Curriculum

CRIM 2620

PSYC 1113

CRIM 5984

EDST 1413

CRIM 2626

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## Course Descriptions

### CRIM 2620 SOCIAL PROBLEMS FOR LAW ENFORCEMENT OFFICERS

Examination of social science information and its relationship to perceptual information as applied to the police officer, includes drug abuse and alcoholism, deviant behavior, prejudice and discrimination. Socio-cultural change discussed as applied to government, religion, economics, education and the family. Concepts in sociology covered as relevant to police encounters. Students will learn to challenge and/or defend ideals and realities of American society as a cause of social problems. Research projects and examinations.

3 credits

### CRIM 2625 INTRODUCTION TO CRIMINAL JUSTICE I: POLICE PRACTICE AND PROCEDURES

Introduction to daily police practices and procedures with emphasis on the theory behind them. Function of state police in criminal justice system fully examined. Emphasis placed on historical development of police profession and evolution of customs, rules and laws which regulate group behavior. Discussions on importance of police in contemporary society and the role state law enforcement plays in New Jersey government, as well as situational arrest case studies, State Police organization and goals.

3 credits

### CRIM 2626 INTRODUCTION TO CRIMINAL JUSTICE II: CRIMINAL LAW AND SOCIETY

A comprehensive study of various aspects of criminal law governing New Jersey. A structured examination of old statutes and common law in comparison to modern principles of the codified laws and procedures. Title 2C is thoroughly examined with emphasis on impartial application of criminal and quasi-

criminal laws. The course includes the juvenile justice code, drug enforcement code, and the fish and game law. Also addressed is an analysis of the U.S. Constitution, fundamental rights guaranteed and the impact of constitutional issues in contemporary society.

3 credits

### CRIM 5984 STATE POLICE AND THE COMMUNITY

Addresses issues of criminal investigation, judicial systems, civil disorders, rules of evidence, discipline and ethics in law enforcement, police community relations, and civil rights codes with examinations. Major and minor situations relating to the police officer and the community discussed, and a comprehensive study of adjunct services and facilities available to successfully complete the officer's task covered.

3 credits

### EDST 1413 PHYSICAL EDUCATION FOR MUNICIPAL POLICE

Covers physical conditioning, crash injury management (emergency medical care), self-defense, and CIM examination and critique.

3 credits

### EDST 1415 PHYSICAL EDUCATION I

An introduction to physical conditioning and defensive tactics and how they apply to the student's experience. Includes various forms of running, free-hand exercises, weight training, organized athletics, tumbling and gymnastics, and how they apply to the general health and performance of the student. A boxing program reflects students' reactions under the stress of physical confrontation. Other self-defense areas are explored. This training extends into hand-to-hand combat and self defense against various weapons. Examinations and critiques included.

3 credits

**EDST 1416 PHYSICAL EDUCATION II**  
 Involves crash injury management and physiology, water self-survival and lifesaving, and includes learning the structure and functions of the human body to enable the student to better perform physical functions of present day law enforcement. Emergency care work is emphasized. 3 credits

**ENGL 1025 COMMUNICATIONS FOR STATE POLICE**  
 Communications and speech addressed along with practical exercises performed in front of a television camera with critiques of the tapes. The students also learn such communication techniques as interviewing and courtroom testimony. Specific topics also include hostage recovery, public information and police discretion. 2 credits

**ENGL 1027 LANGUAGE AND COMMUNICATION FOR LAW ENFORCEMENT OFFICERS**  
 The grammatical aspects of language and the mechanics of composition of primary importance covering police reporting systems, unity and coherence, and sentence and paragraph structure. A study of semantics and word con-

tent, within the parameters of a meaningful and pragmatic vocabulary is included. Compositions and assigned readings required. 3 credits

**POLS 2221 CONSTITUTIONAL ISSUES IN CONTEMPORARY SOCIETY**  
 Covers such topics as constitutional issues in contemporary society, situational arrest case studies, drug enforcement code, gaming enforcement, U.S. Constitution, ATRA, with examinations and critiques. 3 credits

**PSYC 1113 PSYCHOLOGY FOR LAW ENFORCEMENT OFFICERS**  
 An introduction to psychological principles as applicable to the police officer's work experience. Topics include domestic violence and child abuse, suicide, stress, crisis intervention, plus research papers and examinations. Interviewing, human relations, mental abnormality, crime, leadership and group control, the work of court and prison psychologists and parole are discussed. Various methods of rating and testing police officers by psychological methods and the problem of motivation are addressed. 3 credits

## Program in Anthropology

The Anthropology Program at Seton Hall University introduces students to cultural and physical variation in humankind. It explores the rich content and varied forms of behavior throughout the world and over time. The primary aim is to enable students to see contemporary issues in anthropological perspective.

### Anthropology Minor

The anthropology concentration offers students two alternative "tracks" of study: one is designed for students majoring in another discipline (such as nursing, business, biology, communications, foreign languages and literatures). This concentration offers a unique cross-cultural perspective that enables students to apply their skills in a multi-ethnic environment.

The other track is designed to prepare students for graduate school in anthropology by exposing them to the history, theory and current debates in contemporary and professional anthropology. Students in this track will be encouraged to take ANTH 3296 Independent Study to develop original ethnographic or archeological research projects.

Students are required to take six courses in anthropology. In the independent study (normally in the senior year), students write a research paper, integrating anthropological perspectives with their major field of study.

### Interdisciplinary Program in Archaeology

The department also cooperates with Classical Studies and Religious Studies in offering an interdisciplinary program in archaeology. See page 155 for more information.

#### Three Required Courses:

- ANTH 1201 Physical Anthropology (core)
- ANTH 1202 Introduction to Cultural Anthropology (core)  
*and*
- ANTH 1210 Culture and Communication  
*or*
- ANTH 1211 Introduction to World Archaeology



### Three of the following Specialization Courses:

- ANTH 2222 Anthropology of Law  
ANTH 3212 History of Anthropological Thought  
ANTH 2224 Health and Medicine: An Anthropological Approach  
ANTH 2251 Native Americans in The Modern World  
ANTH 2230 Folklore and Mythology  
ANTH 2242 Peoples and Cultures of Southeast Asia  
SOCI 2910 Research Methods I  
ANTH 1218 Field Research Methods  
ANTH 1217 Archaeological Field Techniques  
ANTH 3296 Independent Study  
ANTH 3300-3308 Special Topics in Anthropology

Depending on section offerings, other anthropology courses may be substituted. Each student's particular program of study should be planned in consultation with the anthropology faculty.

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## Course Descriptions

### Anthropology

#### ANTH 1201 (AN 20) PHYSICAL ANTHROPOLOGY

Physical, intellectual and cultural evolution of human beings from non-human primate ancestors through a multitude of fossil forms. Human genetics, socio-economic adaptations and capacity for language, such human inventions as fire, tools, art, religion, plant and animal domestication, ability of humans to adapt to environmental conditions and socio-economic needs. 3 credits

#### ANTH 1202 (AN 40) INTRODUCTION TO CULTURAL ANTHROPOLOGY

Comparative study of human cultures. Explores cultural differences in areas such as kinship, economics, religion. Provides introduction to more advanced courses in anthropology. Study of other cultures to increase sensitivity about our own culture. 3 credits

#### ANTH 1210 (AN 80) CULTURE AND COMMUNICATION

(Cross-listed with Asian Studies—ASIA 2141, and Communications—COTC 1132.)

Explores the ways different cultures use language to communicate. Students investigate such topics as bilingualism, linguistic etiquette, body language, language learning, and language and power. Offers an integrated perspective on speech as a fundamental characteristic of human behavior. 3 credits

#### ANTH 1211 (AN 60) INTRODUCTION TO WORLD ARCHAEOLOGY

Scientific methods employed in studying skeletal remains, tools, weapons, monuments, environmental adaptations, settlement patterns and other manifestations of human achievement from earliest times to the present. Different kinds of archaeology, including prehistoric, classical, historic, underwater and industrial. Museum trips and some field experiences may be offered. 3 credits

#### ANTH 1213 (AN 101) HUMAN EVOLUTION

Traces the evolutionary development of human beings from vertebrate ancestors through non-human primates to the Australopithecines and Homo Sapiens. Data derived from genetics, human and non-human paleontology, geology, environmental conditions and evidenced for human adaptation. 3 credits

#### ANTH 1215 (AN 102) RACE AND HUMAN VARIATION

Investigation and definition of the physical appearances, genetic similarities and differences, and other racial characteristics of human beings, past and present. Distribution of such traits across the world. Differences between genetically and culturally based behavior and areas of overlap. Causes of discrimination and validation of similar potential inherent in all human beings. 3 credits

#### ANTH 1217 (AN 295) ARCHAEOLOGICAL FIELD TECHNIQUES

Every aspect of archaeological excavation, including site survey, mapping, stratigraphy and soil analysis, field photography, excavating techniques, flotation, preservation of artifacts, cataloging, interpretation and reporting. Methods and techniques of excavating put into practice on an actual prehistoric or archaeological site. All-day participation in site excavation required. 3 credits

#### ANTH 1218 (AN 296) FIELD RESEARCH METHODS

(Cross-listed with SOCI 2912)

Opportunity to develop, refine and carry out field research projects. Practical techniques of research design, and project development. Practice and experience in field methods of interviewing and participant observation. Written report based on original field research. 3 credits

**ANTH 2222 (AN 280) ANTHROPOLOGY OF LAW**

Investigation of ways law operates in various cultures throughout the world. Concepts of justice as related to religion, politics, economics and ethics; case studies from many different societies. "Western law" contrasted with customary law and other forms of legal experience in several Third World countries. Discussions of benefits that may be derived from understanding mechanisms of dispute resolution among non-Western people. 3 credits

**ANTH 2224 (AN 223) INTERCULTURAL HEALTH CARE**

How culture and history shape practices and ideas such as diagnosis and treatment, and "sickness" and "health." Investigates health and medicine not only as biological phenomena, but in the context of the economic, kinship, religious and belief systems. 3 credits

**ANTH 2225 (AN 145) THE BEGINNINGS OF CIVILIZATION**

(Formerly Old World Prehistory)

Human adaptations to diverse natural environments and the evolution of cultures from Stone Age to the Bronze and Iron Age. Tool technology, plant and animal domestication, art and architecture, and other inventions and discoveries as background for the rise of civilization. 3 credits

**ANTH 2226 (AN 220) CULTURE AND PERSONALITY**

Applies psychological, anthropological, and native theories of learning and personality to the study of the self and person. Societies ranging from simple hunter/gatherers to complex modern nations. 3 credits

**ANTH 2228 (AN 225) POLITICS AND HUMAN CONFLICT**

Structure of political behavior and power and authority as it affects political behavior. Comparisons of tribes, kingdoms, and modern nations. Different political systems with various kinds of political behavior, and the relationship of politics to warfare. 3 credits

**ANTH 2230 (AN 227) FOLKLORE AND MYTHOLOGY**

Role of oral narratives in cultures around the world. Myths, legends and folktales in terms of their structural arrangements, recurrent themes and symbolic meaning. Similarities and differences between narratives of literate and non-literate peoples. 3 credits

**ANTH 2232 (AN 224) KINSHIP, MARRIAGE AND FAMILY**

Cross-cultural comparison of structure, organization and behavior associated with different types of kinship in diverse societies both traditional and modern. Blood ties and marital relations explored in terms of incest taboos, mate selection and a variety of descent groups. 3 credits

**ANTH 2234 (AN 190) CULTURE, SEX AND GENDER**

How societies classify the human body as possessing gender, and the socio-cultural implications of classification. Analysis of ethnographic data to discuss substantive and methodological issues raised by cultural varia-

tion in the relationship between gender and speech habits, marriage, religion, myth, ritual and non-verbal communication. 3 credits

**ANTH 2241 (AN 120) THE NORTH AMERICAN INDIAN: AN ETHNOHISTORIC PERSPECTIVE**

Native Americans as they were before Euro-Americans destroyed their traditional way of life. Tools, weapons, clothing, house types, settlement and subsistence patterns, social institutions, magico-religious practices and other cultural traits. 3 credits

**ANTH 2242 (AN 133) PEOPLES AND CULTURES OF SOUTHEAST ASIA**

Explores the history, geography and cultures of the peoples of Southeast Asia, including Viet Nam, Philippines, Indonesia, Malaysia, Burma, Thailand and Laos. Examination of archaeological evidence, colonial literature, and recent ethnographic case studies to investigate the variation, structure and change in this culturally rich and strategically important area of the world. 3 credits

**ANTH 2243 PEOPLES OF SOUTH AMERICA**

Study and comparison of the cultures of the natives of South America. Differing cultural adaptations in relation to environmental and social concerns and practices. Economic and social institutions and belief systems of selected groups; origins and interactions with other Native Americans and with the Euro-American conquerors and settlers. 3 credits

**ANTH 2245 (AN 123) THE CULTURES OF MIDDLE AMERICA**

History and traditions of modern Meso-America are derived from earlier Indian civilizations and the Spanish culture imposed through conquest. Artistic, social and religious achievements. Theories concerning culture contact, continuity and change in folk traditions, rural and urban life styles. 3 credits

**ANTH 2247 (AN 140) THE PREHISTORIC AMERICAN INDIAN**

Investigates the 25,000+ years since the Paleo-Indians crossed over to the North American continent, until the discovery, conquest, and displacement of the Indians in the 16th to 19th centuries. Prehistoric adaptations to the various environments. Archaeologically excavated sites, tools, weapons and domestic artifacts, settlement patterns, temple and monument construction and other aboriginal achievements. 3 credits

**ANTH 2249 (AN 260) THE INDIANS OF NEW JERSEY**

What archaeologists and ethnohistorians have discovered concerning native peoples who inhabited New Jersey from ca. 10,000 B.C. to European colonization. Indian/white value systems, effects of European contact, and subsequent displacement of the Indians. 3 credits

**ANTH 2251 NATIVE AMERICANS IN THE MODERN WORLD**

Contemporary cultures of the original inhabitants of the U.S. and Canada. Their resilience and strength despite conquest, treatment as an ethnic minority and the disruption of their societies and cultures. Case studies of Pan-

Indian movements such as political activity at Wounded Knee, the Native American Church, life on reservations, in rural communities and in American cities. 3 credits

**ANTH 3212 (AN 290) THE HISTORY OF ANTHROPOLOGICAL THOUGHT**

Examines the history of anthropological efforts to make sense of the patterned diversity, continuity in change and organization of meaning in human culture. Challenges students to critically assess the validity of vari-

ous analytical approaches to the concept of culture, society and the person. 3 credits

**ANTH 3296 (AN 298) INDEPENDENT STUDY**

Prerequisite: Permission of Instructor. 3 credits

**ANTH 3300-3308 (AN 294) SPECIAL TOPICS IN ANTHROPOLOGY**

Prerequisite: Permission of Instructor. 3 credits

## Social and Behavioral Sciences and Liberal Studies

The University offers two programs of study leading to the Bachelor of Arts Degree in either Social and Behavioral Sciences or Liberal Studies. These programs are primarily for, but not limited to, part-time students, and courses are offered during the evening.

### Social and Behavioral Sciences

This program provides the basis for a general education in the social and

behavioral sciences with a major emphasis on political science, sociology and psychology. Students seeking careers in law, government, education, business or psychology are encouraged to enter this program; there is a strong emphasis on human relations. Students are required to complete a total of 130 credits in a sequence of 81 required credits and 49 elective credits. Your adviser will help you tailor your course of study to best address your interests.

## B.A. Degree in Social and Behavioral Sciences

### Freshman

		Credits
ENGL 1201-2	College English I and II	6
ECON 1411	Principles of Economics	3
BMIE 1001	Computer Fundamentals	3
COST 1600	Oral Communication	3
MATH 1101	Statistics I	3
PHIL 1101	Introduction to Philosophy	3
POLS 1001	Introduction to Political Science	3
Electives		6

### Sophomore

BACC 2103-4	Financial and Managerial Accounting	6
HIS 1201-2	Western Civilization I and II	6
POLS 1211	Introduction to American Politics	3
PSYC 1101	Introduction to Psychology	3
SOCI 1101	Introduction to Sociology	3
Electives		12

### Junior

ANTH 1202	Cultural Anthropology	3
BIOL 1101	Introduction to Biology	3
HIST	Electives	6
PSYC 1211	Psychology of Adjustment	3
PSYC 2211	Personality Concepts	3
SOCI 2701	Social Change	3
Electives		12

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**Senior**

CLAS 2317	Classical Mythology	3
ENGL 3512	Business Writing	3
PHIL 1105	Ethics	3
POLS 1011	Research Methods	3
POLS 1611	Introduction to Comparative Politics	3
SOWK 1111	Introduction to Social Work	3
Electives		16
	<b>Total Required Credits</b>	<b>81</b>
	<b>Total Elective Credits</b>	<b>49</b>
	<b>Total Credits</b>	<b>130</b>

**Liberal Studies**

This program, through a wide variety of courses in several fields, provides students with the opportunity to explore and develop an understanding of the intellectual and cultural heritages of the world. Courses come from the College

of Arts and Sciences and the School of Business. The program requires completion of 130 credits, 78 credits in required courses and 52 credits in electives. Your adviser will help you select the courses appropriate to your goals.

**B.A. Degree in Liberal Studies**

		<b>Credits</b>
ARTH 1101	Art of the Western World	3
BACC 2103	Financial Accounting	3
BACC 2104	Managerial Accounting	3
BIOL 1101	Introduction to Biology	3
BMIS 2701	Introduction to Management Information Systems	3
CLAS 2317	Classical Mythology	3
COST 1600	Oral Communication	3
ECON 1411	Introduction to Economics	3
ENGL 1201	College English I	3
ENGL 1202	College English II	3
ENGL 2103	American Literature I	3
ENGL 2104	American Literature II	3
ENGL 2111	English Literature I	3
ENGL 2112	English Literature II	3
ENGL 3512	Business Writing	3
HIST	(Any two history courses fulfill the	3
HIST	requirements for this concentration.)	3
MATH 1101	Statistical Concepts	3
MUHI 1110	Introduction to Music	3
PHIL 1101	Introduction to Philosophy	3
PHIL 1105	Ethics	3
POLS 1001	Introduction to Political Science	3
POLS 3310	Research Methods	3
PSYC 1101	Introduction to Psychology	3
RELS 1202	Christian Belief and Thought: An Overview from	
	Apostolic to Modern Times	3
SOCI 1101	Principles of Sociology	3
	<b>Total Required Credits</b>	<b>78</b>
	<b>Total Elective Credits</b>	<b>52</b>
	<b>Total Credits</b>	<b>130</b>

## SPECIAL PROGRAMS

In addition to the major and minor programs offered by its academic departments, the College of Arts and Sciences offers a number of special programs which do not fit within the confines of a single academic department.

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### Archaeology: An Interdisciplinary Minor Program

Co-sponsored by the Departments of Religious Studies, Sociology/Anthropology and Classical Studies

A program of study designed to lead the student to the ancient foundations of human intellectual, social and mate-

rial achievement through guided applications of academic disciplines.

A liberal arts education is intended to provide students with a knowledge about a variety of academic areas and some experience in several of its disciplines. Archaeology as discourse about ancient things is a discipline which integrates into its own operations a variety of academic disciplines. It does so by drawing on both the sciences and the humanities for whatever can in any way shed light on the ancient past.

Students who minor in archaeology can achieve more than a knowledge of the deepest foundations of our civilization. Because of its practical and experimental nature, archaeology facilitates the integration of academic disciplines into a more coherent vision of what a broad liberal arts education is all about.

Students who wish to earn a certificate instead of a minor must fulfill all program requirements.

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### Requirements:

Each course is offered for 3 credits and may be taken either under ARCH or under the cross-listed department designation.

- A. 3 credits in the following:
    - ARCH 1001 (formerly IDIS 1201) Archaeology for Liberal Arts
    - ARCH 1011 (ANTH 1211) Introduction to World Archaeology
    - ARCH 1012 (RELS 2410) Archaeology of the Ancient Near East\*
  - B. 6 credits in the following:
    - ARCH 1012 (RELS 2410) Archaeology of the Ancient Near East\*
    - ARCH 1112 (CLAS 1311) Archaeology of Greece
    - ARCH 1113 (CLAS 1312) Archaeology of Rome
    - ARCH 1114 (RELS 2121) Archaeology and the Bible
    - ARCH 1115 (ANTH 1201) Physical Anthropology
    - ARCH 1116 (ANTH 1217) Archaeological Field Techniques
    - ARCH 1117 (RELS 2122) Practicum in Archaeology
- \*May fulfill either A or B, but not both
- C. 6 credits in the following:
    - ARCH 1201 (HONS 1101) Ancient Civilizations
    - ARCH 1202 (IDIS 1101) Traditional Cultures/Non-Western World
    - ARCH 1203 (RELS 1102) Introduction to the Bible
    - ARCH 1211 (RELS 2111) Genesis and Exodus
    - ARCH 1302 (ANTH 1202) Cultural Anthropology
    - ARCH 2111 (ANTH 2225) Rise of Civilizations
    - ARCH 2112 (CLAS 2319 HIST 2220) Ancient Greek Civilization
    - ARCH 2113 (CLAS 2320 HIST 2221) Roman Civilization
    - ARCH 2304 (CLAS 2304 HIST 2228) Historians of Greece and Rome
    - ARCH 2317 (CLAS 2317 ENGL 2612) Classical Mythology

- ARCH 2311 (ARTH 1111) Classical Art
- ARCH 2322 (CLAS 2322 HIST 2170) Women in Antiquity
- ARCH 2345 (ANTH 2245) Cultures of Middle America
- ARCH 2346 (ANTH 2241) North American Indian
- ARCH 2347 (ANTH 2247) The Prehistoric American Indian
- ARCH 2349 (ANTH 2249) The Indians of New Jersey

- D. 3 credits in an archaeological project:  
ARCH 1001 Independent Study/Project

Students are encouraged to integrate their majors and/or minors with the study of archaeology where possible. Projects chosen range from studies in art, artifacts or architecture of antiquity to computer applications and photography. Museum internships are usually available and strongly encouraged.

Co-op programs for summer and year-round work are also available.

The archaeological dig at Tell Safut, Jordan, is open to all, no experience is necessary. Academic credit is available. Next season: July 1-31, 1992. Arrangements can be made for participation in other digs.

The Archaeology Club offers opportunities for all students to interact with faculty and other students outside of class, to visit museums, attend lectures, work with artifacts, etc.

**Participating faculty:**

- Donald H. Wimmer, Professor of Religious Studies, *Director*
- Eugene J. Cotter, Chairperson and Assistant Professor of Classical Studies
- Herbert C. Kraft, Professor of Anthropology, Director of the Seton Hall University Museum and the Program in Anthropology.
- Barry B. Blakeley (Asian Studies); Lynette Bosch (Art); Elizabeth Britton (Classical Studies); Barbara Barrett Kling (Classical Archaeology); Marla Powers (Cultural Anthropology); Judith C. Stark (Ancient Civilizations); Joyce Raynor (Near East and Biblical Archaeology).

## Five-Year Arts and Sciences Degree and Master of Business Administration Program

The College of Arts and Sciences and the W. Paul Stillman School of Business at Seton Hall University offer a joint program that leads to two degrees:

- a Bachelor of Arts or Science degree in an area of the liberal arts, and
- a Master of Business Administration degree from the School of Business, whose programs are fully accredited by the American Assembly of Collegiate Schools of Business.

Both degrees can be earned in five years. The program has a two-fold purpose: to provide a broad-based undergraduate education with a

comprehensive grasp of one arts and sciences major; to permit students to earn a Master of Business Administration within a time frame of 5 years.

Students in the program take arts and sciences courses during the first 3 years. They then take the Graduate Management Admission Test and, at the end of the third year, apply for the Master of Business Administration program. Applicants who are accepted take a combination of arts and sciences and business courses during the fourth year. At the end of the fourth year, and upon completion of 130 credits, students in the program receive a Bachelor of Arts or a Bachelor of Science degree. The fifth year is devoted to business courses, and a Master of Business Administration degree is awarded upon completion of all requirements and a total of 150 credits.

Courses are selected with the assistance of each student's faculty adviser. More information about this program is available through the Admissions Office.

## MAJOR PROGRAM IN ECONOMICS

### Administrators:

George P. Browne, Director of Academic Advising, College of Arts and Sciences

George Tzannetakis, Chairperson, Department of Economics, W. Paul Stillman School of Business

The Department of Economics provides students with a solid foundation in the discipline of economics. For undergraduate students majoring in economics, the objectives of the program are threefold: to help develop a thorough understanding of the economic relationships between business, households and government, and of the principles governing these relationships; to help develop proper analytical methods and

modes of inquiry which will prepare students for careers in business administration, government and education; to lay the groundwork necessary for graduate studies in economics, law and related fields. Scholarly instruction and continuing personal guidance provide students with a high degree of flexibility in the development of their career and educational plans.

The course offerings of the department enable undergraduate students to major in economics either through the College of Arts and Sciences or the W. Paul Stillman School of Business, leading to the degree of Bachelor of Arts and Bachelor of Science, respectively.

In addition to meeting the standards and requirements of the College of Arts and Sciences, degree candidates must complete a minimum of 36 credits in economics. In general, required courses will be taken in the order listed. However, all programs are worked out in consultation with an economics department adviser who may modify the program in view of each student's background and objectives.

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### Major Requirements

		Credits
ECON 1402	Principles of Economics I	3
ECON 1403	Principles of Economics II	3
ECON 2408	Money and Banking	3
ECON 2420	Intermediate Microeconomic Analysis	3
ECON 2421	Intermediate Macroeconomic Analysis	3
BQUA 2801	Business Statistics I	3
BQUA 2802	Business Statistics II	3
ECON 3470	History of Economic Thought	3
ECON	Electives in Economics	12

(See pages 176 and 179 for course descriptions.)

## Engineering degree Program in Collaboration with NJIT

Seton Hall University and the New Jersey Institute of Technology in Newark together offer a five-year joint degree program which allows students interested in civil, electrical, mechanical and chemical engineering to earn both the B.S. degree from Seton Hall in physics or chemistry and the B.Eng. degree from NJIT in five years. Students in this program take the first three years of coursework at Seton Hall, and the fourth and fifth years at NJIT. The B.S. is awarded at the completion of four years' work, and the B.Eng. after the fifth. Students interested in this program should contact the chairpersons of the Departments of Physics (for civil, mechanical and electrical engineering) or Chemistry (for chemical engineering) for details regarding this program.

The principal advantage of such a five-year program is that it affords students a broader education in the humanities and the social sciences than the typical four-year engineering program allows, and thus better prepares them for careers in engineering that require interaction with persons not trained in engineering. Such careers are found both in the corporate world and in the public sector and often include high-level managerial responsibility and communication with the non-technical public.

## GERONTOLOGY MULTI-DISCIPLINARY CERTIFICATE PROGRAM

**Director:** Quartaro (Social Work)

**Advisers:** Pritchett (African-American Studies); Katz (Biology); Boskey (Law); Kleinman (Nursing); Manley (Political Science); Wimmer (Religious Studies); Kayal (Sociology)

The multi-disciplinary certificate program in gerontology is a concentration of studies designed for those who wish to understand and advance the quality of life for older persons. The concentration may be taken in addition to an appropriate major: nursing, social work, sociology, business, psychology, biology, political science, African-American studies, education or religious studies.

Students wishing admission into the concentration should contact the Program Director and/or the gerontology adviser in their discipline, as indicated above.

### Program Requirements

In addition to the requirements of the school and the major upon which the concentration is built, the following three units—a total of 21 credits—are required. Courses are all 3 credits, except as noted.

- I. **Gerontology required 12 credits**
  - SOWK 1911 Foundations of Gerontology
  - POLS 2113 Advocacy, Law, Policy and Aging
  - NUTH 3112 Gerontological Nursing
  - AFAM 3312 Advanced Seminar in Gerontology
- II. **Electives—6 credits from the following courses:**
  - SOCI 2511 Sociology of Aging
  - PSYC 1214 Adult Development and Aging
  - AFAM 2328 Minority Aging



RELS 2515 Religions and Aging  
 SOWK 1912 Psychosocial  
 Aspects of Aging

**Additional electives**—Students wishing to supplement the required courses should consider the following courses.

**Behavioral and Social Sciences**

ANTH 2224 Medical Anthropology  
 PSYC 2212 Developmental  
 Psychology  
 PSYC 3218 Developmental  
 Psychobiology  
 SOCI 2813 Becoming Human: The  
 Sociology of  
 Socialization

**The Life Sciences**

BIOL 1102-3 Human Anatomy and  
 Physiology (8 credits)  
 BIOL 1210 Elements of Heredity

**The Humanities**

PHIL 1232 Philosophy of Death

**Policy and Economics**

POLS 1112 Issues in American  
 Public Policy  
 POLS 2111 Comparative Public  
 Policy  
 SOWK 2401 Social Welfare/  
 International  
 SOWK 2411 Social Welfare/U.S.

**III. Internship—3 credits minimum**

An internship (practicum or clinical) in direct service or research is required of all students. Students in the professions need not do another internship but must complete their required clinical or practicum in aging. Students in majors not requiring an internship must complete a 3-credit internship as independent study in their own majors.

**Course Descriptions**

**PSYC 1214 (PS 106) ADULT DEVELOPMENT AND AGING**

Human life span from early adolescence through senescence. The main developmental aspects covered are stability, role reversal, cultural needs, critical periods, resistance to change, need hierarchies, managerial tasks and sex differences. 3 credits.

**SOWK 1911 (SW 170) FOUNDATIONS OF GERONTOLOGY**

Overview of the basic facts about aging and aging processes including demography, biology, psychology, sociology and policy analysis. 3 credits

**SOWK 1912 (SW 174) PSYCHOSOCIAL ASPECTS OF AGING**

Examination of the person/situation of older adults, focusing on factors contributing to behavioral stability and change over time. Emphasis on traits, self-concepts, and life styles; the roles of older adults; and the relationship of both person/situation to successful aging. 3 credits

**POLS 2113 (PO 109) ADVOCACY, LAW, POLICY, AND AGING**

Advocacy of policies to benefit the aged. Public policies and laws as they affect the lives of the elderly in a society. Examination and evaluation of Social Security systems, legal rights of the aged, health care options, and other public policies. 3 credits

**AFAM 2328 (BL 276) MINORITY AGING**

Examination of the "cultural difference" in the process of aging and its influence on behavior patterns. Comparison of traditional theories of aging with new data produced from an analysis of the "ethnic" variable. Historical perspectives, demography, research methodology, theoretical orientations, social intervention, socio-economic living circumstances. 3 credits.

**SOCI 2511 (SO 104) SOCIOLOGY OF AGING**

Sociological perspective and the phenomenon of aging, especially in industrialized western society. The causes and effects of longevity on the individual's life cycle and on social institutions. The life style of the aged, including institutionalization, stigmatization and self-identity. Alternate programs and strategies of change. 3 credits.

**RELS 2515 (RS 192) RELIGIONS AND AGING**

Roles religious traditions play in world cultures with reference to old age, life review, life satisfaction and life closure. Religiosity and spiritual well-being in contemporary gerontology literature. Religions in service and cooperation with state programs for alleviating inhumaneness in advanced aging. Positive valuation of a "new generation," the elders in society. 3 credits.

**AFAM 3312 (BL 275) ADVANCED SEMINAR IN GERONTOLOGY: SPECIAL TOPICS**

Sharing of perspectives from the different disciplines involved in the gerontology program through small group study, supplemented by discussion in the full seminar. Special topics such as collaboration of staff, community and people served; security and safety; freedom of choice. Research methodology. 3 credits.

# HONORS PROGRAM

**Director:** Stark

Specially selected students are eligible to enter this program, which aims to provide, based on the study of the great texts of the past, a coordinated liberal arts minor for students of all schools and majors in the University. A selected faculty guides students in interpreting and discussing these works. The approach used is interdisciplinary.

Students should complete the Honors Colloquia, which requires six hours per week, in their freshman and sophomore years. Junior and senior seminars require three hours.

The program is enriched by visits to museums, concerts, theaters and selected cultural events in the metropolitan area. Films, slides and other audio-visual aids are integrated into the curriculum.

Visiting lecturers add their expertise in particular areas. The University also provides series of concerts and presentations by visiting poets and speakers, which honors students are expected to attend.

## Program Requirements

Requirements for completion of the program and the designation of Honors Student on the final transcript include the following:

	Credits
HONS 1101 Colloquium/The Ancient World	6
HONS 1102 Colloquium/The Medieval World	6
HONS 2103 Colloquium/Renaissance & Reformation	6
HONS 2104 Colloquium/The Enlightenment	6

Two seminars (3 credits each) in the junior and senior year

HONS 5101 Honors Thesis (3 credits) undertaken with the aid of a faculty member

## Course Descriptions

### HONS 1101 (HP 101) COLLOQUIUM ON THE ANCIENT WORLD

Great works of the classical world of Greece and Rome in philosophy, literature and history, as well as the sources of Christianity. 6 credits

### HONS 1102 (HP 102) COLLOQUIUM ON THE MEDIEVAL WORLD

Literature, philosophy and religious beliefs of medieval Christianity, and includes comparisons with the other great religious traditions of the period. 6 credits

### HONS 2103 (HP 103) COLLOQUIUM ON THE RENAISSANCE AND REFORMATION

Secular and religious writings of the period when the rebirth of classical knowledge led to the beginnings of modern political, religious and scientific thinking; includes the great artistic and literary works of the time. 6 credits

### HONS 2104 (HP 104) COLLOQUIUM ON THE ENLIGHTENMENT

Texts from which modern science and philosophy developed, and from which our Western democratic political systems emerged. 6 credits

The above freshman and sophomore colloquia require six hours of class time per week, from 9 a.m. to noon Tuesday and Thursday.

### HONS 3191 (HP 201) TOPICS IN 19th CENTURY ART

3 credits

### HONS 3192 TOPICS IN 20th CENTURY ART

3 credits

### HONS 3193 (HP 201) TOPICS IN 19th CENTURY LITERATURE

3 credits

<b>HONS 3194 (HP 201) TOPICS IN 20th CENTURY LITERATURE</b>	3 credits
<b>HONS 3195 (HP 201) TOPICS IN 19th CENTURY HISTORY</b>	3 credits
<b>HONS 3196 TOPICS IN 20th CENTURY HISTORY</b>	3 credits
<b>HONS 3197 (HP 202) TOPICS IN MODERN SCIENCE</b>	3 credits
<b>HONS 3198 (HP 204) TOPICS IN SOCIAL SCIENCE</b>	3 credits
<b>HONS 3199 TOPICS IN SOCIAL SCIENCE</b>	3 credits

These courses are organized as seminars around topics chosen by the particular faculty teaching them. They meet on Tuesday and Thursday at 1 p.m. for an hour and a half.

<b>HONS 4191 HONORS READING COURSE</b>	3 credits
<b>HONS 4192 HONORS INDEPENDENT STUDY</b>	3 credits
<b>HONS 5101 HONORS THESIS</b>	3 credits

These courses are undertaken cooperatively by individual Honors students and selected faculty members.

## **SOVIET AND EAST EUROPEAN STUDIES PROGRAM**

**Director:** Mathes

The College of Arts and Sciences offers an undergraduate program on the Soviet Union and East Europe, a broad multidisciplinary course of study lead-

ing to a bachelor's degree and a certificate of proficiency in Soviet and East European studies.

With a broad liberal arts background, you will gain a well-planned, comprehensive introduction to the Soviet Union and to Eastern Europe, including the fundamentals of the Russian language and the history, literature, politics and economies of the region.

The program includes a minimum of 36 credits in language and area studies courses.

### **Program Requirements**

The basic program consists of 12 credits in Russian language (or 6 credits in Russian and a proficiency examination in another language of Eastern Europe), 21 credits in area courses, and a 3-credit program essay.

#### **Language**

		Credits
RUSS 1001-1002	Elementary Russian I & II	6
RUSS 1101-1102	Intermediate Russian I & II	6

#### **Essay**

A program essay (the equivalent of a senior paper) must be submitted on a topic approved by the director and written under the supervision of a faculty member involved in the program. Normally this requirement will be satisfied by taking supervised research in the department of each student's major.

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**Area Study Courses**

Students must elect 21 credits from the following, 12 credits of which are to be from disciplines other than their department majors.

		Credits
ECON 3465	Soviet Economic System	3
ENGL 2401	Classical Russian Literature	3
ENGL 2402	Contemporary Russian Literature	3
HIST 2246	Kievan Rus and Muscovy	3
HIST 2256	History of Imperial Russia	3
HIST 2266	History of the Soviet Union	3
HIST 2276	Russian Communism	3
HIST 2290	Topics in Modern Russian History	3
HIST 2257	East Central Europe	3
MUHI 1135	Music of Russia from 1850 to present	3
RUSS 2111-2112	Advanced Russian I & II	6
RUSS 2115-2116	Introduction to Russian Literature I & II	6
RUSS 2313-2324	Modern Russian Literature I & II	6
POLS 2613	Government of the Soviet Union	3
POLS 2713	Foreign Policy of the Soviet Union	3
RELS 2224	Eastern Varieties of Christianity	3
The following related courses may be taken for additional credit:		
HIST 2277	Intellectual Origins of Socialism	3
RUSS 3391-3392	Studies in Russian Literature	6
POLS 2618	Comparative Communist Systems	3

(See individual departments for course descriptions).

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# W. PAUL STILLMAN SCHOOL OF BUSINESS

**Dean:** Frederick J. Kelly  
**Assistant Dean:** Doreen M. Tango  
**Assistant Dean:** Leigh Stelzer  
**Assistant to the Dean:** Cheryl A.  
Notari

**Management:** Nicholas Beutell  
**Finance:** Richard Hunter  
**Marketing:** Joseph Wisenblit

## Departments and Chairpersons

**Accounting and Taxation:** John Deehan  
**Computing and Design Sciences:**  
Vasanti A. Jategaonkar  
**Economics:** George Tzannetakis

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The W. Paul Stillman School of Business offers programs of study leading to the degrees of Bachelor of Science, Master of Business Administration, and Master of Science in Taxation. The Graduate Bulletin contains information about the M.B.A. and M.S. in taxation program.

The program leading to the degree Bachelor of Science in business administration is built on a foundation of liberal arts courses. Studies in the first two years provide the economic, quantitative, behavioral, scientific and philosophical foundations of business and society in general. Business core courses in finance, management and marketing are taken in the last two years. Students may take a concentration in accounting, management information systems, economics, finance, management or marketing. The program culminates with Business Policy, a course which seeks to integrate skills developed in previous courses. In addition, a certificate in pre-business law is offered for both business and non-business undergraduates.

The School of Business also offers several programs for students majoring in areas other than business administration. These programs include a five-year liberal arts bachelor's degree and master of business administration, a minor in business administration, a certificate program in business and a certificate in pre-business law.

Concentrations in finance, economics and management information systems are offered full-time or part-time, during the day only.

The programs of the W. Paul Stillman School of Business are fully accredited by the American Assembly of Collegiate Schools of Business. This is a professional accreditation above the regional accreditation held by most business schools. Less than 10 percent of the business programs in the United States hold this special status.

### **Beta Gamma Sigma**

Beta Gamma Sigma is the national honor society in business and management. Membership in Beta Gamma Sigma is the highest national recognition a student can receive in an undergraduate or masters program in business. Founded as a national organization in 1913, the purposes of Beta Gamma Sigma are to encourage scholarship, promote the advancement of business education and foster integrity in the conduct of business.

### **Alpha Kappa Psi**

Alpha Kappa Psi is the nation's oldest professional business fraternity. Founded in 1904, its purpose is to educate the public, the business community, and its members on the role of the free enterprise system and the ethical responsibilities in business. More than 200 chapters across the country welcome aspiring men and women to brotherhood.

### **B.A./M.B.A. Program**

The B.A./M.B.A. program allows students to earn a liberal arts bachelor's degree and a Masters of Business Administration in five years. By carefully selecting courses, students can complete the requirements for both degrees in as few as 150 credit hours. Students spend the first three years taking arts and sciences courses. (See School of Arts and Sciences core curriculum and major programs.) At the end of the third year, they apply for the M.B.A. program. If accepted, students take a mixture of arts and sciences and graduate business courses during the fourth year. The fifth year is reserved exclusively for graduate business courses. When students have completed all arts and sciences requirements and 130 credit hours, they receive a bachelor's degree. After completing the M.B.A. requirements and 150 total credit hours, students also receive an M.B.A.

Students must be accepted into the M.B.A. program before they may take graduate courses. Students who are rejected may complete the requirements for the bachelor's degree.

### **Minor in Business Administration**

The minor in business administration supplements the liberal arts or sciences preparation and facilitates a transition to an eventual business career. It is available to Seton Hall students majoring in a discipline outside the School of Business. This includes Arts and Sciences economics majors.

Three categories of courses totaling 24 credit hours are required:

1. **Environment of Business.** One course each in economics and law;
2. **Tools of Business.** One course each in accounting, statistics and computer science; and
3. **Functional Areas of Business.** One course each in finance, management and marketing.

## Qualification

To qualify for the minor, students must

1. Complete a major field in the colleges of Arts and Sciences, Nursing or Education and Human Services.
2. Complete eight specified courses with a grade point average of 2.25 in the minor program.
3. Complete graduation forms that request a minor be identified on future transcripts.

## Requirements for the Minor in Business Administration

		Credits	Prerequisite
1. ECON 1411	Principles of Economics	3	None
2. BACC 2103	Financial Accounting	3	30 credits
3. BQUA 2801	Business Statistics	3	None
4. BMIS 2701	Introduction to Management Information Systems	3	None
5. BLAW 2301	Legal Foundations	3	None
6. BMGT 2501	Principles of Business Management	3	60 credits
7. BFIN 2201	Fundamentals of Finance	3	60 credits plus BACC 2103 and ECON 1411
8. BMKT 2601	Principles of Business Marketing	3	60 credits

**Note: Prerequisites are strictly enforced.**

## Transfer Courses

With the approval of the dean of the School of Business a maximum of 6 credits may be transferred from other institutions and applied toward the minor in business administration.

## Course Substitutions

With the written permission of an adviser in the School of Business, students may substitute an approved course for one or more of the courses in the minor program. This also requires approval of the dean of the School of Business.

## Changing to a Business Major from the Minor

The minor in Business Administration is specifically not available to students majoring in business. The

economics course designated for the minor does not qualify toward the core requirements for a degree in business administration. If a student completes the economics course and then changes to a major in business, the student must still meet all core economic course requirements.

## Certificate in Business

The Certificate Program in Business is designed for non-business majors at Seton Hall University and other regionally accredited colleges.

Students are exposed to the language of business. Major concepts in accounting, marketing, finance and management provide a head start in the business world. These courses provide

solid preparation for entering the job market and starting a career after graduation.

### Qualifications

To qualify for the Certificate Program in Business, applicants must

- Be majoring in an area outside of business at a college or university with regional accreditation.
- Be in good standing in the academic program at the home institution. The program is not available to students on probation or who are otherwise under academic restrictions.
- Have completed at least 60 credit hours of college level courses.

### Application

To apply for the program, applicants should

- Complete the appropriate forms in Room 103 of the School of Business. This can be arranged by mail or by calling the Student Help Line (201) 761-9222.
- Apply for housing in a residence hall, if the student plans to live on campus. This can be done through the Office of Housing and Residence Life (761-9172).

### Certification of Credits

Students successfully completing the 12-credit-hour program will receive a Certificate in Business from the W. Paul Stillman School of Business at Seton Hall University. Each successfully completed course will be certified for possible transfer to the student's home institution. In addition, Seton Hall will verify completion of the overall program to potential employers or other parties, if requested by the student.

### Requirements for the Certificate in Business

To qualify for the Certificate in Business, students must complete four courses offered by the School of Business. These courses are offered during the course of the academic year and during the summer session and are as follows:

BACC 2103 Financial Accounting — prerequisite: 30 credits

BMGT 2501 Principles of Business Management —

prerequisite: 60 credits

ECON 1411 Economics —

prerequisite: none

BMKT 2601 Principles of Business —

prerequisite: 60 credits

**Note: Prerequisites are strictly enforced.**

Some institutions require the last 30 credit hours to be taken at the home institution. Other colleges may have specific requirements for advance permission before courses may be taken at another college. Applicants should investigate the regulations of the home institution prior to applying for the Certificate Program.

## Certificate Program in Business Pre-Law

The Certificate in Business Pre-Law meets the needs of both non-business and business majors in a uniquely designed interdisciplinary program.

By structuring elective course selections and making the commitment towards a rigorous course of study directed by the Business Pre-Law Adviser and the Business Pre-Law Committee, students will be able to demonstrate competence in those areas of business prelegal preparation that will indicate to law school admissions committees a strength of preparation for the study of law at the professional school level.

The certificate is open to any student who has successfully completed 30 credits hours and who has maintained a 2.5 grade point average. In addition, students must maintain a 2.5 average in the business pre-law curriculum.

Recognizing the varied background and preparation of business and non-business students, two tracts have been developed:

### Business Majors

#### Business Courses:

Uniform Commercial Code (BLAW 4312)—Prerequisite BLAW 2301  
Federal Income Tax



(BACC 3117)—Prerequisite BACC 2104  
Business and Society (BMGT 4531)  
Thesis (Directed Research—BLAW 4399  
taken during 8th semester)

**12 Credits**

**Non-Business Courses:**

Philosophy of Law (Required) (PHIL  
1250)  
\*Political Science Elective  
\*History Elective  
\*Pre-Law Electives (Three Courses)

**18 Credits**

**Total Credits: 30**

**Non-Business Majors**

Note: Non-business majors will receive  
both a Certificate in Business and  
the Certificate in Business Pre-  
Law.

**Non-Business Courses:**

Philosophy of Law (Required) (PHIL  
1250)  
\*Political Science Elective  
\*History Elective  
**9 Credits**

**Business Courses:**

Business Finance (BFIN 2201)  
Financial Accounting (BACC 2103)  
Principles of Business Management  
(BMGT 2501)  
Economics (ECON 1411)  
Principles of Business Marketing  
(BMKT 2601)  
Legal Foundations of Business (BLAW  
2301)  
Business and Society (BMGT 4531)

**21 Credits**

**Total Credits: 30**

Note: Please refer to the course descrip-  
tions in this bulletin for the  
course prerequisites. Course prere-  
quisites are strictly enforced.

\*See Pre-Law Electives

**\*Pre-Law Electives**

**History**

Anglo-American Legal History I (HIST  
2381)  
Anglo-American Legal History II (HIST  
2382)  
Law and Social Change in Modern  
America (HIST 2383)

**Political Science**

Introduction to Political Science (POLS  
1001)  
Introduction to Public Policy (POLS  
1111)  
Classics of Political Thought (POLS  
1401)  
American Judicial System (POLS 2214)  
American Law (POLS 2219)  
Constitutional Law (POLS 2221)  
Development of the American Consti-  
tution (POLS 2220)  
American Civil Liberties (POLS 2222)

**General Electives**

Sociology of Law (SOC1 2213)  
Anthropology of Law (ANTH 2222)  
Ethics in Business (RELS 2512)  
Criminology (CRIM 2616)  
Ethics (PHIL 1105)  
Political Philosophy (PHIL 1240)

## Bachelor of Science Degree Requirements

To attain the degree of Bachelor of  
Science from the School of Business, all  
students must satisfactorily complete  
liberal arts courses, both required and  
elective, business core courses, the  
requirements of their concentration and  
sufficient free electives to total 128  
credits. A concentration in accounting  
requires 129 credits to meet the require-  
ments to sit for the CPA exam in New  
Jersey. The last 30 credits must be taken  
at the University.

To complete course requirements sat-  
isfactorily, the student must have a  
cumulative quality point average of at  
least 2.0. Each concentration specifies  
the average required in concentration  
courses. Each student is advised by a  
faculty member in the area of major  
concentration. The ultimate responsibil-  
ity for complying with curriculum  
requirements rests with the student.  
Choice of a program of study must be  
made before completion of 75 credits,  
normally the end of the sophomore year.

### **Standards for Continuing Work at W. Paul Stillman School of Business for Regularly Admitted Business Students**

To be eligible to continue at the W. Paul Stillman School of Business, Seton Hall University, students regularly admitted to the School of Business Administration as first semester freshmen must meet the following standards:

- I. At the conclusion of their sophomore year or 75 credits, whichever comes later, they must have earned required credits for the following courses:
  - a. Financial Accounting
  - b. Managerial Accounting
  - c. Principles of Economics I
  - d. Principles of Economics II
  - e. Introduction to the Use of MIS
  - f. Calculus for Business I
  - g. Calculus for Business II
  - h. Business Statistics I
  - i. Business Statistics II
- II. At the conclusion of their sophomore year they must have a GPA of at least 2.50.
- III. At the successful conclusion of 75 credit hours, they must have declared a major concentration for their studies at the School of Business.

### **Requirements for Business Bound (Pre-Business) Students**

Students admitted as "Business Bound" students take the same courses as regularly admitted freshman business students. Business bound students are automatically evaluated for full admission to the School of Business after the completion of 30 credits. A total grade point average of 2.75 is required to be admitted at that time without further application.

### **Changing to a Business Major From a Non-Business Discipline**

Students transferring from other colleges within the University to the School of Business should meet the following requirements:

1. The student must have earned at least 45 credits of which 12 credits must have been earned at Seton Hall University.
2. The student must have completed the following courses with a combined minimum grade point average of 2.5:
  - MATH 1301 and 1311, Calculus for Business I and II
  - ECON 1402, Principles of Economics I
  - BACC 2103, Financial Accounting
3. The student must have a minimum total G.P.A. of 2.5.

Students who desire to transfer to the School of Business from other colleges within the University, must do so before the completion of 75 credit hours.

### **Requirements for the Bachelor of Science in Business Administration**

Four-year program:

**Arts and Science core (42 credits\*).** English (ENGL 1201-1202); Philosophy (PHIL 1104-1105); Communication (COST 1600); Sociology (SOC 1101); Mathematics (MATH 1301, 1311); Psychology (PSYC 1101); 3 credits in a natural science, 6 credits in religious studies.

**Liberal Arts Requirements: 6 credits minimum. 15 credits are suggested; a concentration in accounting requires 24 credits.** Computer science courses offered through the mathematics department and economics courses do not qualify.

**Business Core courses (42 credits).** ECON 1402, 1403, 2408, BACC 2103, 2104; BQUA 2801, BQUA 2802, BLAW 2301, BMIS 2701 (taken usually during freshman and sophomore years) BFIN 2201, BMGT 2501, BMKT 2601, BMGT 2503 (taken in junior year) BPOL 5000 (taken senior year).

**Major concentration (15-24 credits)**  
See specific concentration requirements.

**General Electives (20-29 credits).** May be selected from all schools in the University. Accounting majors must take an additional business law course, which eliminates all general electives from the 129 credit accounting program.

\*To obtain a Certified Public Accountancy Qualifying Certificate, in part, a minimum of 60 liberal arts credits is required.

### Cooperative Education

This optional program, available to business majors, integrates classroom study with specific planned periods of supervised learning through productive work experience. Students must have completed 60 credits before taking the first co-op course, maintain a 3.0 GPA and receive the approval of the co-op faculty adviser in a major area of study. These experiences start in September, January or May. Co-op students are not required to take all 9 co-op credits. Credits earned through co-op are considered general elective credits.

Courses in the Cooperative Education program include:

**Cooperative Education I**—Introductory experience in cooperative education. Assignment will be made in entry-level position of employment. The course is taken only with the permission of the student's co-op faculty adviser. Prerequisite: junior standing. 3 credits.

**Cooperative Education II**—A second assignment with the following alternatives: higher-level positions, and/or increased responsibilities, with the same or a different employer. The course is taken only with the permission of the student's co-op faculty adviser. Prerequisites: junior standing and completion of Co-op I. 3 credits

**Cooperative Education III**—This course is specifically oriented to the academic major with recognition of career objectives. It is taken only with the permission of a co-op faculty adviser. Prerequisites: Junior standing and completion of Co-op I and II. 3 credits.

### A Model Program

The following suggested program of study, includes all courses as planned over a four-year period. The course prerequisites are indicated in the prerequisite column.

Freshman		Prerequisite	Credits
ECON 1402	Principles of Economics I		3
COST 1600	Oral Communications		3
ENGL 1201	English Composition I		3
ENGL 1202	English Composition II	ENGL 1201	3
MATH 1301	Calculus for Business I		3
MATH 1311	Calculus for Business II	MATH 1301	3
BMIS 2701	Introduction to Use of Management Information Systems		3
PHIL 1104	Logic		3
PSYC 1101	Introduction to Psychology		3
SOCI 1101	Principles of Sociology		3
			<u>30</u>

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**Sophomore**

ECON 1403	Principles of Economics II	ECON 1402	3
BACC 2103	Financial Accounting	30 credits	3
BACC 2104	Managerial Accounting	BACC 2103	3
BQUE 2801	Business Statistics I	MATH 1311	3
BQUA 2802	Business Statistics II	BQUE 2801	3
ECON 2408	Money and Banking	ECON 1403	3
BLAW 2301	Legal Foundations of Business		3
PHIL 1105	Ethics		3
RELS	Religious studies elective		3
RELS	Religious studies elective		3
	Science elective		<u>3</u>
			33

**Junior**

BFIN 2201	Business Finance	60 credits, ECON 1403, BACC 2104	3
BMGT 2501	Principles of Management	60 credits	3
BMKT 2601	Principles of Marketing	60 credits	3
BMGT 2503	Organizational Behavior	60 credits, BMGT 2501	3
	Major/concentration courses and electives (or Co-op I and Co-op II)		21
			<u>33</u>

**Senior**

BPOL 5000	Business Policy	Business Core	3
	Major/concentration courses and electives (or Co-op III) (Account- ing majors take BLAW 4321 Uni- form Commercial Code plus 24 major concentration credits for a total of 30 credits to meet the requirements for the New Jersey C.P.A. exam.)		29
			<u>32</u>
		Total	128

(Total degree requirements for a concentration in accounting are 129 credits)  
**Note: Prerequisites are strictly enforced.**

**Concentration Requirements**

	Credits
Accounting	24
Management Information Systems	18
Economics	24
Finance	15-21
Management and Industrial Relations	15-21
Marketing	15-21

**Course Identification**

The departments of the School of Business offering undergraduate courses and the abbreviations used to designate courses are as follows:  
 Accounting (BACC)  
 Business Law (BLAW)  
 Finance (BFIN)  
 Marketing (BMKT)  
 Management (BMGT)

Management Information Systems  
(BMIS)  
Quantitative Analysis (BQUA)  
Economics (ECON)  
Business Policy (BPOL)  
Interdisciplinary (BINT)

## **Concentration in Accounting**

**Professors:** Deehan (*Chairperson*); Hensler; Sih

**Associate Professors:** Abdallah; Jones (*Co-op Adviser*); McGee; Shapiro

**Assistant Professors:** Barnas; Easton; Frese; Hrechak

**Instructor:** Heaslip

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A concentration in accounting is designed to give training in the fundamentals of accounting as a necessary skill for the understanding of business. It provides a sequence of specialized instruction in accounting theory, costs, budgetary control, auditing, taxes and systems that allows the student to apply for the Certified Public Accountant, Certified Management Accountant and the Certified Internal Auditor examinations and prepare for managerial positions in internal accounting, auditing and controllership, or for graduate study.

The four-year course of study in accounting is approved by the New Jersey State Board of Certified Public Accountants. Students preparing to qualify for examination in states other than New Jersey should choose electives to meet the specific requirements of the state in which they plan to be examined.

### **Certified Public Accountant (C.P.A.) Examination**

Applicants for examination for a New Jersey Certificate as a C.P.A. must present evidence of satisfactory completion of a course of study in a college of business administration registered and approved by the New Jersey State Board of Certified Public Accountants. Information on examination, experience and

other requirements can be obtained from the Secretary, New Jersey State Board of Certified Public Accountants, 1100 Raymond Boulevard, Newark, New Jersey 07102.

Information on requirements for admission to practice in New Jersey State as a C.P.A. can be obtained from the State Department of Education, Albany, New York.

### **Certified Internal Auditor (CIA) Examination**

The CIA Exam is given twice a year, in May and November. Earning the Certified Internal Auditor designation indicates a professional level of competence in internal auditing. Requirements for certification include passing the 14-hour exam, a baccalaureate or its equivalent from an accredited college-level institution, and two years of internal audit (or equivalent) work experience. Full-time students are eligible to register for the CIA program at reduced rates and may take the exam before completing their baccalaureate and required experience. Education and work experience requirements are verified before certification is awarded.

For more information on the CIA Exam, call 1-800-CIA-DESK or write to: The Institute of Internal Auditors, 249 Maitland Avenue, Altamonte Springs, Florida 32701-4201.

### **Accounting Internship Program**

The Internship Program is offered to qualified seniors majoring in accounting. Selection is based on overall scholastic average as well as the major average. The program provides the opportunity to work with participating firms the first six weeks of the second semester of the senior year. Students are employed on a full-time basis as part of their accounting training. At the end of the Accounting Internship Program, students return to complete their degree requirements.

### **Beta Alpha Psi**

Beta Alpha Psi is the national honor society and professional fraternity for students planning to enter the accounting profession. Its rich history dates

back to 1919 with chapters installed at colleges and universities where accounting programs are a high level of academic and professional achievement. Of the 180 chapters in the United States, Seton Hall University Zeta Xi chapter is the only one in the state of New Jersey.

**Concentration Requirements**

A student concentrating in the area of accounting must have no less than a 2.5 cumulative average in the first gradings of financial and managerial accounting and must complete the following courses:

**Requirements for Accounting**

	Credits
BACC 3110-3111 Intermediate Accounting I & II	6
BACC 3113 Special Accounting Topics	3
BACC 3114 Partnerships, Consolidations and other Issues	3
BACC 3115 Cost Accounting	3
BACC 3117 Federal Income Tax Accounting	3
BACC 3119 Auditing	3
BACC Accounting elective	3

To meet the business requirements for C.P.A. examination, students must include BLAW 4321 Uniform Commercial Code in the business elective courses in their senior year, as well as an additional 18 credits in liberal arts.

**Department of Computing and Decision Sciences Offering a Concentration in Management Information Systems**

**Professors:** Epstein; Strunning; Wilamously

**Associate Professors:** Jategaonker (*Chairperson*); Rosenthal; Shah

**Assistant Professors:** Bakun; Chandra; Mondadori (*Co-op Adviser*); Xiao

**Professor Emeritus:** Horowitz

ization; to develop skills necessary for the evaluation, development and implementation of management information systems; and to increase the students' appreciation of the economic, social, legal and technological considerations present in information processing activity.

For non-majors, courses are provided to give a general introduction to computers and computing and their applications in business, the sciences, humanities and education.

There is also a major in computer science in the College of Arts and Sciences.

**A concentration in management information systems is not available in the evening.**

**Concentration Requirements**

Students majoring in management information systems must maintain a 3.0 average in major courses.

Students concentrating in the area of management information systems must complete the following courses:

A concentration in management information systems is designed to achieve the following objectives: to provide a thorough understanding of the principles of computerized information systems, including computer programming concepts, techniques and languages; to help students appreciate the capabilities and limitations of computer-

## Requirements for Management Information Systems

		Prerequisites	Credits
BMIS 3721	Problem Solving and Programming Techniques I	BMIS 2701	3
BMIS 3722	Problem Solving and Programming Techniques II	BMIS 3721	3
BMIS 3723	COBOL Programming and Data Management	BMIS 3722	3
BMIS 3724	Data Base Management Information	BMIS 3723	3
BMIS 3725	Systems Analysis and Design	BMIS 3724	3
BMIS 3726	Survey of Computer Systems	BMIS 3725	3
Total Credits			18

## Concentration in Economics

**Professors:** Dall; Jordan; Tinari; Tzanetakis (*Chairperson*)

**Associate Professors:** Ikpoh (*Co-op Adviser*); Kant; Ketkar

**Assistant Professors:** Grivoyannis; Mathews

**Instructor:** Majewski

The Department of Economics provides students with a solid foundation in the discipline of economics. For undergraduate students majoring in economics, the objectives of the program

are threefold: to help develop a thorough understanding of the economic relationships between business, households and government, and of the principles governing these relationships; to help develop proper analytical methods and modes of inquiry that will prepare students for careers in business, government and education; and to prepare the groundwork necessary for graduate studies in economics and related fields.

The course offerings of the department enable students to major in economics either through the College of Arts and Sciences or the W. Paul Stillman School of Business, leading to the degrees of Bachelor of Arts and Bachelor of Science respectively.

**A concentration in economics is not available in the evening.**

## Requirements for Economics

To concentrate in economics students must achieve a 3.00 average in the first 9 credits of required courses in economics (ECON 1402, 1403 and 2408).

		Credits
ECON 1402	Principles of Economics I	3
ECON 1403	Principles of Economics II	3
ECON 2408	Money and Banking	3
ECON 2420	Intermediate Microeconomic Analysis	3
ECON 2421	Intermediate Macroeconomic Analysis	3
ECON 3470	History of Economic Thought	3
ECON	Economic electives	15

## Concentration in Finance

**Professors:** Harrington Jr.; Hunter  
(*Chairperson*); Kelly; Phillips

**Associate Professors:** Hunter; Nesbitt;  
Sawyer (*Co-op Adviser*)

**Assistant Professors:** Amoroso; Arnold;  
Pasmantier; Shannon; Wagner

**Professor Emeritus:** Dippel

**Instructor:** Manley

A concentration in finance develops skills and attitudes necessary for positions in financial institutions, in financial administration of commercial and industrial enterprises, or for graduate study. It seeks to integrate the fields of accounting, economics, law and quantitative analysis.

**The finance concentration is not offered in the evening program.**

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### Requirements for Finance

		Credits
BFIN 3210	Financial Planning & Control	3
BFIN 3211	Financial Strategy	3
BFIN 3213	Current Financial Developments	3
BFIN	Finance electives	6-12

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## Concentration in Management

**Professors:** Beutell (*Chairperson*);  
Stoever

**Associate Professors:** Alexander; Amar;  
Coll

**Assistant Professors:** Boroff; Frawley;  
Forbes (*Co-op Adviser*); Stelzer

**Instructor:** Held

A concentration in management covers a variety of areas relating to the management of people and other resources in organizational settings. This concentration is intended to give the serious student a broad base of management knowledge needed to cope with dynamic changes in organizations.

There are two student professional organizations, American Production and Inventory Control Society (APICS) and the Society for Human Resource Management (SHRM).

Management majors are encouraged to consider a co-op placement as part of their program.

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### Requirements for Management

		Credits
BMGT 3511	Human Resource Management	3
BMGT 3513	Industrial Relations	3
BMGT 3515	Production/Operations Management	3
BMGT	Management electives	6-12
PSYC 1216	(PS40) Industrial Psychology (May also be used to fulfill 3 credits of the Management elective requirements)	3



## Concentration in Marketing

**Associate Professors:** Olszewski (*Co-op Adviser*) (*Director of the Institute for International Business*); Siddiqi, Wisenblit (*Chairman*)

**Assistant Professors:** D'Amato, Schneider, Ziegler

A concentration in marketing prepares students for marketing jobs in product development, brand management, services marketing, advertising, international marketing, retailing, sales and marketing research. Because of the increased emphasis on marketing strategy throughout American business, the marketing field offers excellent employment and advancement opportunities. There has been a continuous increase in the demand for marketing professionals,

and the average starting salaries of marketing graduates are higher than those in many other fields. Because of the knowledge of products, services and consumers gained in these jobs, marketing positions provide an excellent basis to reach the highest levels in the organization. A marketing education also provides entrepreneurial skills which enable students to start and operate their own companies or enter an existing family business.

The marketing curriculum consists of required core and elective courses. The core courses provide students with insights into consumer behavior, marketing research and international marketing, and the skills required to analyze, plan, implement and control marketing programs. The elective courses provide the opportunity to learn how to manage products and services, and develop pricing, distribution and promotional strategies.

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### Requirements for Marketing

Marketing majors must complete three out of the four following core courses:

	Credits
BMKT 3611 Marketing Research	3
BMKT 3613 Marketing Management	3
BMKT 3615 Consumer Behavior	3
BMKT 3617 International Marketing and	3
BMKT Marketing Electives	6-12

In total, marketing majors must complete between 15 and 21 credits in marketing (in addition to BMKT 2601 which is part of the Business Core), with a minimum average of 2.5 in all marketing courses.

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## Quantitative Analysis

**Professors:** Epstein, Struning, Wilamowsky

**Assistant Professor:** Chandra

The program of study offered in quantitative analysis is designed to give students an understanding of quantitative methods used to solve business prob-

lems. Knowledge of these methods is imperative to master successfully the quantitative aspects of accounting, economics, finance, management and marketing. Although there is no concentration at the undergraduate level, courses in management science and business statistics are offered.

## Course Descriptions

### Business Core

#### ECON 1402 (BA 2) PRINCIPLES OF ECONOMICS I

Introductory approach to the development of microeconomic analysis. Principles governing economic behavior in a market-oriented system: exchange, market pricing, production and costs, market structures and their effects on product and factor markets. Emphasis on developing techniques for rational micro decision-making and evaluating contemporary policies and trends. 3 credits

#### ECON 1403 (BA 3) PRINCIPLES OF ECONOMICS II

Prerequisite: ECON 1402

Introductory approach to the development of macroeconomic analysis: principles governing the determination of national income, aggregate output and prices, employment, economic fluctuations and the cost of money and capital. Fiscal and monetary management techniques and policies in light of contemporary national and international issues. 3 credits

#### BACC 2103 (BA 4) FINANCIAL ACCOUNTING

(BACC 2103 must be taken before BACC 2104)

Theory and problems of accounting and the accounting cycle. Purpose, form and content of the balance sheet, income statement and statement of changes in financial position. 3 credits

#### BACC 2104 MANAGERIAL ACCOUNTING

Prerequisite: BACC 2103

Accounting as a management tool. Understanding manufacturing accounting control systems. Use of accounting data for financial planning and decision making. 3 credits

#### BFIN 2201 (BA 9) BUSINESS FINANCE

Prerequisite: BACC 2104, ECON 1403, & 60 credits

*Must be taken no earlier than junior year.*

Finance functions. Long-term financing and securities markets. Bank and non-bank short- and intermediate-term financing. 3 credits

#### BLAW 2301 (BA 13) LEGAL FOUNDATIONS OF BUSINESS

Nature of legal problems encountered by business executives and the conceptual framework within which these problems must be solved. 3 credits

#### ECON 2408 (BA 8) MONEY AND BANKING

Prerequisite: ECON 1403

Introduction to the institutional and theoretical bases of money, credit, the financial markets and the banking system. Functions and operations of the Federal Reserve System in relation to current economic, financial and monetary development and problems. Role of international financial and money markets evaluated for impact on the U.S. economy. 3 credits

#### BMGT 2501 (BA 10) PRINCIPLES OF MANAGEMENT

Prerequisite: 60 credits

*Must be taken no earlier than junior year.*

Fundamentals of management: planning; organizing, staffing; leading, coordinating and controlling organizational activities. Study of the evolution of management thought, international management and production/operation management. 3 credits

#### BMGT 2503 (BA 15) ORGANIZATIONAL BEHAVIOR

Prerequisite: BMGT 2501 and 60 credits

*Must be taken no earlier than junior year.*

Behavioral science approaches to understanding and more effectively managing organizations. Emphasis on developing students' theoretical understanding and behavioral capability to deal with issues at the individual, work group and organizational levels. Models of growth, structures, decisions, leadership, communication, conflict, change and other variables. 3 credits

#### BMKT 2601 PRINCIPLES OF MARKETING

Prerequisite: 60 credits

*Must be taken no earlier than junior year.*

The methods, policies and organizations involved in the flow of goods and services from the producer to the consumer in the context of the nation's sociocultural, economic and legal environment. An overview of consumer behavior, marketing research, market segmentation, targeting and demand analysis, strategic planning, product development and management, promotional strategy, pricing, distribution, not-for-profit marketing, international marketing and social responsibility and ethical issues involved in making marketing decisions. 3 credits

#### BMIS 2701 (BA 17) INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS

Role of computers in the management process. Introduction to the basic concepts of computer hardware and software, computer programming, systems analysis, decision support systems and management information systems. Hands-on computer projects combined with theoretical discussions give a broad-based view of information systems and their use in business and management. 3 credits

#### BQUE 2801, BQUA 2802 (BA 6-7) BUSINESS STATISTICS I & II

BQUE 2801 prerequisite for business majors: MATH 1311; BQUA 2802 prerequisite: BQUE 2801.

Two-semester sequence in applications of basic statistics to business. An introduction to descriptive statistics, probability theory, sampling, estimation, hypothesis testing, regression, correlation. 6 credits

**BPOL 5000 (BA 14) BUSINESS POLICY**

Prerequisite: All required business core courses.

Integrative senior course dealing with enterprise concerns of general management. In context of organization objectives, formulation and implementation of strategic action and policy decisions emphasized. Students are cast in the role of decision maker, utilizing problems, cases and a computerized management simulation as learning tools. 3 credits

**Note: Prerequisites are strictly enforced.**

**Accounting**

**Students must have completed 60 credits for all BACC and BFIN courses.**

**BACC 3110-3111 (AC 10-11)****INTERMEDIATE ACCOUNTING I & II**

Prerequisite for BACC 3110: BACC 2104; Prerequisite for BACC 3111: BACC 3110

Analysis of working capital and business transactions. Study of accounting theory pertaining to assets, liabilities and net worth. Application of accounting to corporations. 3 credits

**BACC 3113 (AC 102) SPECIAL ACCOUNTING TOPICS**

Prerequisite: BACC 3111

Accounting for income taxes, changes and errors, earnings per share, leases, pensions, foreign currency translation, fund accounting, reorganizations, ethics in accounting and current topics. 3 credits

**BACC 3114 PARTNERSHIPS, CONSOLIDATIONS AND OTHER ISSUES**

Prerequisite: BACC 3111

Accounting for partnership formation, operation and liquidation, home office and branch, corporation consolidations, segment reporting, estates and taxes. 3 credits

**BACC 3115 (AC 109) COST ACCOUNTING**

Prerequisite: BACC 2104

Elements of cost accounting: material, labor, overhead. Application of cost accounting involving the use of job order, process and standard costs systems. Study of joint costs, depreciation and distribution costs. 3 credits

**BACC 3117 (AC 121) FEDERAL INCOME TAX ACCOUNTING**

Prerequisite: BACC 2104

Analysis and application of federal income tax law with respect to individual and business organizations. Relationships between the law and classification of accounts. 3 credits

**BACC 3119 (AC 133) AUDITING**

Prerequisite: BACC 3111

Purpose and goals of the audit. Duties and responsibilities of the auditor. Procedure and types of audits and the generally accepted auditing standards. 3 credits

**BACC 4121 (AC 101) ACCOUNTING SYSTEMS**

Prerequisite: BACC 3110

Installation of accounting systems in business. Selection of method, classification of

accounts, internal control, report preparation and analysis. 3 credits

**BACC 4123 (AC 110) ADVANCED COST ACCOUNTING**

Prerequisite: BACC 3115

Costing with managerial emphasis. Case studies of complex cost problems presented and latest techniques in costing introduced such as operations research and the use of computers in solving cost problems. 3 credits

**BACC 4125 (AC 122) ADVANCED FEDERAL INCOME TAX ACCOUNTING**

Prerequisite: BACC 3117

Application of federal income tax to corporations and partnerships and other forms of business organizations. Case problems presented and analyzed. 3 credits

**BACC 4127 (AC 141) GOVERNMENTAL ACCOUNTING**

Prerequisite: BACC 3111

Systems of accounting of municipalities and larger government units. Preparation of the budget, budgetary control, audits and reports. 3 credits

**BACC 4129 (AC 161) ANALYSIS OF FINANCIAL STATEMENTS**

Prerequisite: BACC 3111

Analysis and interpretation of financial and operating statements prepared by business firms. Points of view of management, investor, banker and accountant. 3 credits

**BACC 4194 Co-op I (See Co-op Adviser)****BACC 4195 Co-op II (See Co-op Adviser)****BACC 4196 Co-op III (See Co-op Adviser)**

For description, see page 31, 56 or 169.

3 credits

Cooperative education courses are counted as general electives.

**Finance**

BFIN 2201 is a prerequisite for all finance courses. **(A concentration in finance is not offered in the evening.)**

**BFIN 3210 (FI 101) FINANCIAL PLANNING AND CONTROL**

Prerequisite: BFIN 2201

Nature and scope of corporate financial management. Concepts and problems in the areas of working capital management, the sources of funds to finance the firm's assets, investment policy and related issues. 3 credits

**BFIN 3211 (FI 102) FINANCIAL STRATEGY**

Prerequisite: BFIN 3210

Financial decision making using a case approach extensively. Integrates financial calculators and computerized problem solving to handle case situations in cash and receivables management, financing decisions and financial planning. 3 credits

**BFIN 3213 (FI 113) CURRENT FINANCIAL DEVELOPMENTS**

Prerequisite: BFIN 3210

Preparation and discussion of written reports treating current developments in the fields of

corporate financial management and financial institutions. 3 credits

**BFIN 4221 (FI 28) PERSONAL FINANCE**  
Elective course; cannot be used to satisfy the minimum finance undergraduate requirement  
Common financial problems facing the individual: home ownership, installment purchases, bank loans, insurance, savings accounts, mortgages, stocks, bonds and other forms of investment. 3 credits

**BFIN 4223 (FI 40) FIDUCIARIES AND ESTATE PLANNING**  
Programming the insured's estate. Settlement options and nonforfeiture provisions of life insurance policies. Tax aspects of settlement options. Preparation of the required annual statement, valuation basis, admissibility of assets, disbursement reporting. 3 credits

**BFIN 4227 (FI 111) INVESTMENT ANALYSIS**  
Prerequisites: ECON 2408, BFIN 2201

Role of the investor in a free enterprise economy. Principles and techniques applicable to the analysis of securities of private business corporations. Treasury and municipal securities. 3 credits

**BFIN 4228 (FI 112) SECURITY MARKETS**  
Prerequisite: BFIN 2201

Operation of organized security exchanges and over-the-counter markets. Types of traders and trading practices. Government regulation of security trading. 3 credits

**BFIN 4229 (FI 120) FINANCIAL INSTITUTIONS**  
Prerequisite: ECON 2408

Survey of the role of financial institutions as conduits of funds from savers to investors. 3 credits

**BFIN 4231 (FI 135) RISK MANAGEMENT**  
Insurance to protect business enterprises: accident and health, burglary, business interruption, consequential losses, employer's liability, fidelity and surety bonds, floater policies, group, social security, estate planning, workmen's compensation. 3 credits

**BFIN 4232 (FI 151) SURVEY OF INSURANCE—PROPERTY**  
Types and special applications of fire and life policies; inland marine coverage and marine insurance; personal property floater; sprinkler, machinery and boiler insurance. Theory of rating: underwriting inspection report; loss adjustments. 3 credits

**BFIN 4233 INTERNATIONAL FINANCE**  
Analysis of exchange rate behavior and the other factors important to managing the multi-country cash flows and financings of the multinational enterprise. Foreign direct investment and capital budgeting decisions of the firm in the global environment. Financial operations in foreign exchange and multinational markets. 3 credits

**BFIN 4234 (FI 152) SURVEY OF INSURANCE—CASUALTY AND SURETY**  
Principles of casualty insurance; automobile liability, public liability for contractors, own-

ers, landlords and tenants, accident and health insurance, glass insurance, burglary. 3 credits

**BFIN 4235 WORKING CAPITAL MANAGEMENT**  
Survey of the current theories and practices in working capital management. Examines the U.S. monetary system, cash forecasting and optimal levels of cash, credit terms and cost-volume-profit analysis, inventory decision models, marketable securities and sources of short-term financing. 3 credits

**BFIN 4290 (FI 290) SEMINAR IN FINANCE**  
Individual research in the areas of corporate financial management, financial institutions, or investment analysis. Group discussion of the research report. 3 credits

**BFIN 4294 Co-op I (See Co-op Adviser)**  
**BFIN 4295 Co-op II (See Co-op Adviser)**  
**BFIN 4296 Co-op III (See Co-op Adviser)**  
For description, see page 31, 56 or 169. 3 credits

Cooperative education courses are counted as general electives.

**BFIN 4297 (FI 299) DIRECTED RESEARCH/FINANCE**  
Prerequisite: permission of supervising faculty member prior to registration

Individual research in the area of finance independent of a formal course structure. 3 credits

**Business Law**

BLAW courses do not fulfill the requirements of 6 credits of electives in the finance concentration.

**BLAW 4315 INTERNATIONAL BUSINESS LAW**  
Prerequisite: BLAW 2301

Highlighting those aspects of the law which are important to business operation in the international environment. 3 credits

**BLAW 4321 (LA 7) UNIFORM COMMERCIAL CODE**  
Prerequisite: BLAW 2301

Treatment of transactions involving aspects of commercial paper, sales and secured transactions with respect to personal property under the Uniform Commercial Code. 3 credits

**BLAW 4325 ADVANCED BUSINESS LAW**  
Prerequisite: BLAW 2301

Designed for those students (non-accounting majors) who wish an in-depth treatment of the legal issues by corporation and financial managers and employers. 3 credits

**Computer and Information Sciences**

**BMIE 1001 (CI 16) COMPUTER FUNDAMENTALS**  
See page 195 for course description. 3 credits

## Computing and Decision Sciences

(A concentration in management information systems is not offered in the evening.)

### BMIS 3721 (BMIS 3711) PROBLEM SOLVING AND PROGRAMMING TECHNIQUES I

Prerequisite: BMIS 2701

Problem solving techniques for business-oriented problems such as fundamentals of C programming, program development, program writing and testing of the programs on a computer. 3 credits

### BMIS 3722 (BMIS 3715) PROBLEM SOLVING AND PROGRAMMING TECHNIQUES II

Prerequisite: BMIS 3721

Includes problem solving techniques for complex business-oriented problems; data structures: arrays, structures, strings, linked lists, stacks, queues, trees; sorting and searching techniques; recursion. 3 credits

### BMIS 3723 (BMIS 3710, 3712) COBOL PROGRAMMING AND DATA MANAGEMENT

Prerequisite: BMIS 3722

To teach students the syntax and programming techniques of structured COBOL as applied to the business environment. The management of data through the various types of file organization is stressed. 3 credits

### BMIS 3724 (BMIS 3717) DATA BASE MANAGEMENT

Prerequisite: BMIS 3723

This course is about the management of data in the business environment. The course uses a combination of the technical and non-technical end-user approach to Data Base Management. The major types of data bases are covered but the emphasis is on the Relational Model.

### BMIS 3725 (BMIS 3719) SYSTEMS ANALYSIS AND DESIGN

Prerequisite: BMIS 3724

Studies information systems and the role of the analyst. Computer-based management information systems; planning, design and implementation. Techniques and tools for effective systems analysis, testing evaluation of system performance and systems documentation are studied. Cases from multinational business, industry or government. 3 credits

### BMIS 3726 (BMIS 3713) SURVEY OF COMPUTER SYSTEMS

Prerequisite: BMIS 3725

Emphasis is on exploring emerging technologies and giving a business perspective on the selection and use of computer hardware and software. Terminology and understanding of hardware/software systems and architectures is stressed. 3 credits

### BMIS 4727 (CI 157) INTRODUCTION TO TELEPROCESSING AND DATA COMMUNICATIONS

Prerequisite: BMIS 4723

Study of the software and hardware characteristics of data transmission systems. Communication lines and services; transmission modes, codes, error detection and correction techniques; modems, terminals and their selection criteria; multiplexors and concentrators; message switching protocol; and simple system design calculations. 3 credits

### BMIS 4737 (CI 262) COMPUTER SIMULATION

Prerequisites: MATH 4737, BMIS 4725

Introduction to computer simulation of discrete systems. Random number generation, statistical testing of generators, design and validation of simulation models, queuing theory. Use of a simulation language such as Simscript, GPSS, or FORTRAN. 3 credits

### BMIS 4741 ASSEMBLER LANGUAGE PROGRAMMING

Prerequisite: BMIS 3711 or equivalent

Provides indepth understanding of the fundamentals of assembly language programming and through assembly language, the fundamentals of machine language. 3 credits

### BMIS 4794 Co-op I (See Co-op Adviser)

BMIS 4795 Co-op II (See Co-op Adviser)

BMIS 4796 Co-op III (See Co-op Adviser)

For description, see page 31, 56 or 169.

3 credits

### BMIS 4799 (CI 290) DIRECTED RESEARCH/MIS

Prerequisites: BMIS 3719 and departmental approval. Application for Independent Study must be completed and approved prior to registration. Forms are available from the faculty member chosen for the supervision of the project.

Emphasis on research and field work appropriate to the students' backgrounds and career objectives. 3 credits

### BMIS 5791 (CI 280) MIS SENIOR PROJECT

Prerequisite: Submission of an extensive proposal and departmental approval. Project proposals are due December 1 for spring semester and April 20 for fall semester.

Individual work on a computer science project of a realistic size of students' choice. Classroom work conducted as a seminar for design reviews, progress reports and final project presentations. 3 credits

## Economics

(A concentration in economics is not offered in the evening.)

### ECON 1402 (BA 2) PRINCIPLES OF ECONOMICS I

(See page 176).

3 credits

### ECON 1403 (BA 3) PRINCIPLES OF ECONOMICS II

(See page 176).

3 credits

### ECON 2408 (BA 8) MONEY AND BANKING

(See page 176).

3 credits

**ECON 1411 (EC 1) INTRODUCTION TO ECONOMICS**

Required for a minor in business administration.

Fundamental principles, concepts, methodology and economic reasoning of the discipline. Emphasis on theoretical, institutional, historical and policy foundations of various contemporary issues. For students not planning to major in economics or who need a strong foundation before undertaking ECON 1402 and ECON 1403. 3 credits

**ECON 2420 (EC 20) INTERMEDIATE MICROECONOMIC ANALYSIS**

Prerequisite: ECON 1402

Systematic development of microeconomic theory. Consumer behavior, market demand and supply functions for output and resources, decision rules for the efficient allocation of resources, production costs and pricing for benefit maximization. Development of modeling techniques applicable to a variety of functional areas of management, finance and operations. Develops skills for private and public management. 3 credits

**ECON 2421 (EC 21) INTERMEDIATE MACROECONOMIC ANALYSIS**

Prerequisite: ECON 1403

Systematic development of macroeconomic theory. Neo-classical, Keynesian, post-Keynesian, and contemporary models for income, output, employment and interest rate determination. National and international problems in relation to the applicable models and the practices of fiscal and monetary authorities. Develops analytical skills for fiscal and monetary management, forecasting and public policy. 3 credits

**ECON 2423 (EC 23) ECONOMIC AND FINANCIAL HISTORY OF THE UNITED STATES**

Prerequisite: ECON 1402

Economic analysis and measurement applied to a select number of issues. Evolution of contemporary economic and financial institutions traced through the use of cliometrics. 3 credits

**ECON 3410 (EC 110) ENVIRONMENTAL ECONOMICS**

Prerequisite: ECON 1402

Major environmental problems delineated. Economic definitions and aspects of environmental quality. Reasons for environmental quality reductions in a market economy, including externalities, private vs. common property resource use, public goods and irreversible change. Survey of alternative public policy options. 3 credits

**ECON 3425 ECONOMIC DEVELOPMENT**

Prerequisite: ECON 1411 or equivalent

Surveys global economic interrelationships and current issues in the underdeveloped and developing regions of the world. Measurement and sectoral analyses to assess the roles played by agriculture, human and capital resources and the foreign sector. 3 credits

**ECON 3426 (EC 126) URBAN ECONOMICS**

Prerequisite: ECON 1402

Urban-suburban trends. Economic analysis of urban change. Role of local government in producing public goods and redistributing income. Urban fiscal issues. Selected practical problems of urban society. The prospects of future urban development. 3 credits

**ECON 3427 (EC 127) THE ECONOMICS OF HEALTH CARE**

Prerequisite: ECON 1411

Theoretical and empirical analysis. The growth of the health industry; the supply of and demand for health practitioners; the hospital as an economic organization; models of pricing in selected sectors of the health market; the financing of health services; cost-benefit analysis; and spatial analysis of delivery systems. 3 credits

**ECON 3430 BUSINESS CYCLES & FORECASTING**

Prerequisite: ECON 2408 and Statistics

Analysis of factors that create swings in economic activity. Measurement and analysis of data and indicators; cycle modeling and interpretations; macro forecasting with computer based econometric models. 3 credits

**ECON 3461 ECONOMIC RESEARCH METHODOLOGY**

Prerequisite: ECON 2408, Math Core

Statistical and mathematical tools used in economic research. Emphasis on interpretation and evaluation of computer generated outputs. 3 credits

**ECON 3462 (EC 62) GOVERNMENT AND BUSINESS**

Prerequisite: ECON 1402

Examines the regulatory interactions of government with enterprise. Survey of the institutional and legal structure in which business functions in the U.S. The theoretical and empirical implications of regulation evaluated through the case method. 3 credits

**ECON 3465 (EC 65) THE SOVIET ECONOMIC SYSTEM**

Prerequisite: ECON 1411

Historical and ideological background of the Soviet economic system; evaluation of the Soviet economic resources; development and execution of nationwide economic planning; critique of the organization and operation of specific facets of Soviet economy. 3 credits

**ECON 3470 (EC 103) HISTORY OF ECONOMIC THOUGHT**

Prerequisite: ECON 1402 and ECON 1403.

Survey of the evolutionary development of contemporary economic analysis. Major economic schools, classical, socialist, neo-classical, Keynesian and others, as well as key economists. 3 credits

**ECON 4420 (EC 120) INTRODUCTION TO ECONOMETRICS**

Prerequisites: ECON 1403, BQUE 2802

Application of mathematics and statistics to economic theory for solving economic problems. Econometric models, both static and

dynamic, developed assuming conditions of uncertainty. Open to upper-level students only. 3 credits

**ECON 4435 (EC 135) THE THEORY OF ECONOMIC GROWTH**

Prerequisite: ECON 1403

Examination of various theories and models of economic growth. Analysis of problems of economic underdevelopment. Private and government development policies interpreted. 3 credits

**ECON 4441 (BMGT 4951) (EC 141) LABOR ECONOMICS**

Prerequisite: ECON 1403

Labor markets in their sectoral and national settings. Labor force analyzed by use of the human resource/capital approach. Labor compensation determination and structure. Labor costs, productivity and their impact on the price level and employment. 3 credits

**ECON 4455 (EC 55) PUBLIC FINANCE**

Prerequisite: ECON 1403

Principles and practices of public finance. Growth and changing nature of government expenditures. Local, state and federal revenue systems. Nature and economic effects of types of taxes. Public and financial administration. 3 credits

**ECON 4483 (EC 183) INTERNATIONAL ECONOMICS**

Prerequisites: ECON 1402, 1403

Introduction to exchange theory. Trade patterns and trends. Commercial foreign policies, exchange rates, monetary and fiscal instruments and policies for external balance. International accounts in the context of current trends. 3 credits

**ECON 4494 Co-op I** (See Co-op Adviser)

**ECON 4495 Co-op II** (See Co-op Adviser)

**ECON 4496 Co-op III** (See Co-op Adviser)

For description, see page 31, 56 or 169.

3 credits

Cooperative education courses are counted as general electives.

**ECON 4496-4498 (EC 296-298) DIRECTED RESEARCH/ECON**

Prerequisite: 15 credits in economics

Open to students with the permission of their mentors. Project form must be completed and approved prior to registration. Forms are available from the faculty chosen for the supervision of project. Research and field work directed by students' background and career objectives. Hours by arrangement. 1-3 credits

**ECON 4499 (EC 299) SEMINAR IN ECONOMICS**

Prerequisites: ECON 2420, 2421

Open only to seniors majoring in economics. Research and preparation of a major paper on a topic approved by the faculty. Members of the seminar interact as an evaluation board on the progress and results of the research. 3 credits

## Quantitative Analysis

**BQUA 3811-3812 (MS 1-2) MANAGEMENT SCIENCE I & II**

Prerequisite: BQUE 2801, 2802

Survey of management applications of decision theory, mathematical programming, queuing, network models, simulations and other topics. 6 credits

## Management

**BMGT 2501 is a prerequisite for all management courses.**

**BMGT 3511 (IR 54) HUMAN RESOURCE MANAGEMENT**

To introduce students to the theories, practices and problems in the field of human resource management (HRM). Emphasis is placed on the administration and behavioral aspects of effective human resource systems. This course considers the roles of the personnel and human resource manager, selection and staffing, training and development, job performance, productivity and compensation, unions, international/global human resource management and EEO/AA. The legal and ethical issues in HRM are examined. 3 credits

**BMGT 3513 (IR 56) INDUSTRIAL RELATIONS**

Labor-management relations: theoretical, legal and practical aspects of labor organization, collective bargaining and modern union techniques. 3 credits

**BMGT 3515 (IR 171) PRODUCTION/OPERATIONS MANAGEMENT**

Prerequisite: BQUE 2801

Introduction to the management of operations in manufacturing and commercial firms. Plant layout and location, production planning and control, materials, management, job design, quality control and project management. 3 credits

**BMGT 4441 (ECON 4041) (IR 141) LABOR ECONOMICS**

Prerequisite: ECON 1403

Labor markets in their sectoral and national settings. Labor force analyzed by use of the human resource/capital approach. Labor compensation determination and structure. Labor costs, productivity and their impact on the price level and employment. 3 credits

**BMGT 4523 (IR 152) PRINCIPLES OF SUPERVISION AND EXECUTIVE CONTROL**

Prerequisite: BMGT 2503

Successful executive behavior in manpower motivation. Specific supervisory difficulties encountered in plant and office presented in lecture and problem form. 3 credits

**BMGT 4525 (IR 155) COMPENSATION MANAGEMENT**

Prerequisite: BMGT 3511

Principles and design of compensation systems. 3 credits

**BMGT 4527 (IR 167) LABOR LEGISLATION**  
Development of labor law in the United States. Emphasis on the latest federal and state statutes and their effect on modern industrial relations practices. 3 credits

**BMGT 4529 (IR 212) ORGANIZATION THEORY**

Prerequisite: BMGT 2503  
Systematic analysis of organization theory as evolved by the various schools of thought and managerial behavior in complex organizations. Unification and integration of theory, research and prevailing practice. 3 credits

**BMGT 4531 (IR 214) BUSINESS AND SOCIETY**

Critical evaluation of the role of business in society, its influences on and responsibility for meeting the challenges of changing social problems. Ethical issues in managing are considered. 3 credits

**BMGT 4533 (IR 269) HUMAN RELATIONS WORKSHOP**

Prerequisite: BMGT 2503  
Students gain deeper understanding of their own behavior and that of others in group and organizational situations. Participants experience selected problems through simulations and other exercises. Exploration of alternate ways of behaving in problem situations. 3 credits

**BMGT 4594 Co-op I** (See Co-op Adviser)  
**BMGT 4595 Co-op II** (See Co-op Adviser)  
**BMGT 4596 Co-op III** (See Co-op Adviser)  
For description, see page 31, 56 or 169. 3 credits

Cooperative education courses are counted as general electives.

**BMGT 4993 (ASIA 3211) FOREIGN BUSINESS OPERATIONS**

Asian business operations of U.S. firms as well as American operations of Asian corporations. Introduction to economic, financial, legal and management problems in foreign operations. Examines political environment, social customs, international relations and linguistic and cultural issues. 3 credits

**Marketing**

**BMKT 2601 is a prerequisite for all marketing courses.**

**BMKT 3611 MARKETING RESEARCH**

The tools and techniques of marketing research and their applications in making marketing decisions. An overview of the marketing research process, including problem definition, research design, primary vs. secondary data, questionnaire construction, sampling, data collection and analysis, and report preparation. Ethical issues and international marketing research are also examined. 3 credits

**BMKT 3613 MARKETING MANAGEMENT**

Marketing strategy as a management tool for optimizing corporate profitability and long-term growth in a competitive environment. The relationship between marketing and the other

company functions. The integration of market segmentation, target market analysis, consumer research, product development and brand management, promotional and positioning strategy, distribution and pricing into a strategic managerial framework. 3 credits

**BMKT 3615 CONSUMER BEHAVIOR**

The consumer as a decision maker. Draws on the social sciences to evaluate the influence of psychological (needs and motivation, personality, learning, perception and attitudes), sociological (lifestyles, reference groups, family and social class), and cultural and subcultural factors on consumer decisions regarding products and services. The course also examines marketing ethics, public policy consumer issues, cross-cultural consumer behavior and marketing of not-for-profit organizations. 3 credits

**BMKT 3617 INTERNATIONAL MARKETING**

Organizing and managing international marketing operations. Opportunities, distinctive characteristics and emerging trends in foreign markets are analyzed. Emphasizes the process of adapting the firm's marketing mix to a diverse economic, sociocultural and political multinational environment. A comprehensive overview of planning and implementing global marketing strategies and developing the corporate resources needed for entering world markets. 3 credits

**BMKT 4621 CORPORATE PUBLIC RELATIONS AND PUBLICITY**

The importance of publicity and the techniques of public relations. Focuses on the formation of public opinion as a corporate objective. Analysis of the many publics with which a company must concern itself (consumers, distributors, stockholders and legislators), and the use of communication strategies and tools to fulfill public relations objectives. Examines how inept communications and the resulting adverse publicity can create or deepen many corporate crises. Stresses measures such as planning for and managing crisis communications, selecting outside counsel and establishing relationships with the media. 3 credits

**BMKT 4623 PROMOTIONAL STRATEGY**

An overview of all the promotional tools available to the brand or product manager for the development and implementation of optimal promotional strategies designed to achieve the company's marketing objectives. The management of the promotional mix, including advertising, media strategy, sales promotion methods directed at consumers and re-sellers, personal selling and publicity programs. Budgeting, market feedback and adaptive control of the firm's total promotional effort. 3 credits

**BMKT 4625 RETAILING MANAGEMENT**

The scope and dynamic role of retailing in marketing consumer goods and services. Examines the evolving retailing environment and the management of large and small retail institutions. Topics include determination of store location, buying and merchandising, inventory management, pricing and promo-



tion, store layout and design, customer service and retail sales force training and supervision. 3 credits

**BMKT 4627 CHANNELS OF DISTRIBUTION**

The role of wholesalers, retailers and transportation companies in facilitating the flow of goods from manufacturers to consumers, and the effects of channel decisions on the marketing mix. Evaluation of the objectives and functions of various marketing intermediaries, determination of channel length and distribution intensity, warehousing and transportation, and channel members' power and conflict resolution. 3 credits

**BMKT 4629 SALESMANSHIP AND SALES MANAGEMENT**

The role of personal selling and sales force management in the context of a company's overall marketing strategy. Salesmanship is presented as finding and reaching prospective buyers, developing effective sales presentations, handling objections and closing sales. An overview of sales management, including recruiting, selecting, training, motivating and compensating sales personnel, sales forecasting, territory development and an optimal use of the sales budget. 3 credits

**BMKT 4631 ADVERTISING MANAGEMENT**

The planning, execution and control of advertising programs. A study of the interrelationships which exist among manufacturers, advertising agencies and the media in the preparation and dissemination of advertising. Specific topics include the regulatory, cultural and ethical advertising environment, setting advertising objectives, creative themes in

designing print and broadcast campaigns; media selection; advertising research; budgeting and the evaluation of advertising expenditures. 3 credits

**BMKT 4633 PRODUCT MANAGEMENT AND DEVELOPMENT**

Effective management and revitalization of existing products and the development of new products as the major component of corporate strategy and the cornerstone of all marketing activity. Analysis of the economic, technological, social, competitive and ecological factors underlying product strategies, the management of the product portfolio, the changing marketing mix throughout the product life cycle, and basic aspects of new product development. 3 credits

**BMKT 4991 INTERNATIONAL BUSINESS AND TRADE (ASIA 3214)**

Introduction to international business with an emphasis on international trade. The world business environment and the economic, financial, political and cultural factors affecting foreign trade. Special attention is given to marketing opportunities in the Far East and U.S. trade with Asia. Theory and practical applications of foreign trade problems and practices. 3 credits

**BMKT 4694 Co-op I** (See Co-op Adviser)

**BMKT 4695 Co-op II** (See Co-op Adviser)

**BMKT 4696 Co-op III** (See Co-op Adviser)

For description, see page 31, 56 or 169. 3 credits

Cooperative education courses are counted as general electives.



# COLLEGE OF EDUCATION AND HUMAN SERVICES

**Acting Dean:** Joseph Stetar  
**Associate Dean:** Marietta Esposito  
Peskin

## **Departments and Chairpersons**

**Counseling Psychology:** Ernest Tam-  
burri

**Educational Administration and Super-  
vision:** George C. Lindemer

**Educational Studies:** Joseph De Pierro

The College of Education and Human Services offers programs of study leading to the degrees Bachelor of Science in Education, Master of Arts in Education, Educational Specialist, Doctor of Philosophy and Doctor of Education to qualified high school and college graduates who wish to prepare for careers in teaching; to educators who wish to broaden their knowledge and understanding of the process of education and improve their teaching skills; and to those who wish to round out their professional qualifications or general backgrounds.

Undergraduate programs are accredited by the Middle States Association of Colleges and Secondary Schools, by the National Council for the Accreditation of Teacher Education, and approved by the State Department of Education in New Jersey under standards of the National Association of State Directors of Teacher Education and Certification.

The degree Bachelor of Science in Education is offered with major programs in elementary education, secondary education content fields and health education, physical education and developmental disorders. Students complete a broad scope of liberal arts studies, a major in either an academic or technical field and a strong component of professional education courses with integrated internship experiences. Upon satisfactory completion of all requirements, students are recommended to the New Jersey State Department of Education for the appropriate teaching certificate.

## **General School Requirements**

To qualify for the degree Bachelor of Science in Education, students must complete a minimum of 126-131 credits with required coursework in the three degree components: the general education sequence of liberal arts courses; the academic or technical major; and the professional education sequence which encompasses social and behavioral studies related to education. See the major program outlines for specific course and credit distribution require-

ments, which vary as to major. In all cases, general education requirements include approximately 60 credits with study in each of the following areas: arts, humanities, mathematics, science, computer science and social science.

A minimum grade point average of 2.5 is required both for retention in undergraduate teacher education and for admission to the programs for transfer applicants. At the conclusion of each semester, a comprehensive review of the status of all students is undertaken to confirm them as candidates for internships at the next level.

The University reserves the right to make additional adjustments as required by the State Department of Education.

### **Senior Internship**

Undergraduate students who are matriculated in the College of Education and Human Services and others seeking New Jersey state certification must complete the senior internship. Students who enroll for this internship must pay a nonrefundable placement fee of \$35.00.

### **Application Procedure for Senior Internship**

Applicants must secure an official application from their program director at the opening of the Spring Semester.

The application procedure includes a comprehensive review of the student's academic record and internships.

Application must be received by the chairperson before March 1 *for assignment during the following fall semester and spring semester.*

### **Prerequisites**

- A minimum average of 2.5 for courses in the teaching field
- A grade point average of 2.5 for all courses completed
- Satisfactory performance in preliminary internships
- Approval and recommendation by the department chairperson/program coordinator
- A physician's certificate indicating freedom from any infirmity which would make the applicant unfit for teaching

### Senior Internship Requirements

Internship requires full-time daily participation in the activities of an approved school for a semester. Each intern is assigned to an accredited school and is guided by a cooperating teacher. The experience includes teaching in the classroom, observation, participation in other activities, pupil study, and conferences. Interns are encouraged to participate in faculty meetings, parent-teacher meetings, and other experiences. Each senior intern's performance is assessed collaboratively by the college supervisor and the cooperating teacher.

In addition applicants are required to enroll for the Internship Seminar which will meet throughout the semester of the internship assignment.

Transfer students must complete a minimum of 24 credits at Seton Hall University before they may apply for senior internship.

### Course Identification

The course numbering system used throughout the University is described on page 20. The abbreviations used to designate courses offered by the departments and special areas of undergraduate instruction within the College of Education and Human Services are as follows:

- Department of Educational Studies (EDST)
- Basic Skills Courses (SKIL)
- Computer Fundamental Courses (BMIE)
- Health and Physical Education Programs (HPER)

## DEPARTMENT OF EDUCATIONAL STUDIES

**Professors:** Kaplan; Raimo; Rondinella

**Associate Professors:** Barrett; Cunningham; Cobarrubias; DePierro (*Chairperson*); Peskin; Shepard; Zaccone-Tzannetakis; White

**Assistant Professors:** Daly; Farrell; McCartan; Skeelee; Szepekouski

**Director of Educational Placement:**  
Watts

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The Department of Educational Studies offers courses leading to the degrees Bachelor of Science and Master of Arts in education. Graduates are recommended to the New Jersey Department of Education and are eligible for New Jersey State certification in accordance with State guidelines. Under current rules, candidates must pass the National Teacher's Exam (NTE) to qualify for certification and must pursue an academic major in conjunction with their professional major. A G.P.A. of 2.5 *must* be maintained.

The undergraduate programs stress three years of direct involvement and experience in a variety of situations, a professor-apprentice relationship that emphasizes informal, interpersonal relations and independent study, and integration of the study of education with other academic disciplines such as sociology, psychology and cultural anthropology. Emphasis is on experiential learning, active participation and communication which will stimulate the intellectual, humanistic and creative potential of the future early childhood, elementary and secondary teachers.

Students interested in special education may follow the developmental disorders program offered in conjunction with the programs in elementary and secondary education programs.

Health education majors are involved in practical experiences in both school and community educational settings.

# Elementary Education Program

**Program Coordinator:** Raimo

The program of studies in elementary education is divided into five components.

## Component I. Liberal Arts Core Electives—30 credits *required*

	Credits
Philosophy/Religious Studies	6
English	6
Mathematics	3
Science	3
History/Political Science	3
Art	3
Computer Literacy	3
Psychology/Exceptional Child	3

## Component II. Technical Major in Teaching of the Handicapped/Developmental Disorder—36 credits

This major may be chosen in addition to an elementary or secondary education major. See Program in Developmental Disorders or

### Liberal Arts Major—36 credits minimum

May be chosen in any department in the College of Arts and Sciences. If a major area is a teaching field, students may be eligible for K-12 certification.

## Component III. Liberal Arts Electives—21 credits maximum

Allows students the option for additional courses in a major field of study in arts and sciences.

## Component IV. Behavioral and Social Sciences—9 credits

Combination of psychology and sociology courses or nine credits in one of these fields or related fields.

## Component V. Professional Education—30 credits

The dynamic aspect of this component is the field experience opportunity which includes placement on a variety of school districts. A specific number of hours is required for each field experience course; individual adjustments are made to accommodate transfer students who have had previous field experience.

Upon completion of these five components students are recommended to the State of New Jersey for elementary classroom teacher certification. In addition, the major and liberal arts elective components may make them eligible for certification in one or several other fields. Under current rules, elementary education students must pass the general knowledge test of the NTE.

## Curriculum: Professional Education Endorsement Area

	Credits
<b>1. Freshman course</b>	
EDST 1201 Introduction to Teaching	3
EDST 1202 Psychology of Teaching	3
<b>2. Sophomore course with field component:</b>	
EDST 2202 Laboratory in Curriculum Analysis	3
Students fulfill 90 hours of sophomore internship	
1 school-Fall Semester	
EDST 2203 Laboratory in Curriculum Analysis II	3
Students fulfill 90 hours of sophomore internship	
1 school-Spring Semester	

**3. Junior year with field component**

EDST 3202	Practicum in Styles/Strategies of Teaching	3
EDST 3203	Practicum in Styles/Strategies of Teaching	3
	Students fulfill 90 hours of junior internship	
	1 school-Fall Semester	
EDST 3204	Practicum in Styles/Strategies of Teaching	3
EDST 3205	Practicum in Styles/Strategies of Teaching	3
	Students fulfill 90 hours of junior internship	
	1 school-Spring Semester	

**4. Senior Internship**

EDST 4201	Supervised Student Internship	6
	Students fulfill one semester full time of senior internship in a school of their choice selected from cooperating centers	

Note: Substantial changes are anticipated for the Fall 1991 Semester, which may not be reflected in this bulletin.

**Course Descriptions**

**EDST 1201 INTRODUCTION TO TEACHING**

Given video and audiotapes, students will identify teacher's verbal behaviors, analyze interaction between and among students and recognize teaching and learning styles. 3 credits

**EDST 1202 PSYCHOLOGY OF TEACHING**

Focuses on interactional styles of communication, verbal and nonverbal, observation in one another of the denied self and the effects of these components on the individual's effectiveness in teaching styles. 3 credits

**EDST 1203 (EL 280) (ED 280, SE 280) COMPUTER LITERACY**

Designed for those with little or no computer experience. Beginning programming, operating microcomputers, the role of hardware and software, understanding computer systems and word-processing. 3 credits

**EDST 2201 (EL 41) ART FOR THE ELEMENTARY TEACHER**

Materials and processes for plastic and graphic art expression. Use of nature materials, museum collections and other community resources. Development of an art program for the elementary school. 3 credits

**EDST 2202-2203 (EL 200-201) LABORATORY IN CURRICULUM ANALYSIS I & II**

(Minimum of 180 hours field experience required)

Involvement in the school situation centers on curriculum development to develop ability to analyze instructional materials and experiences. Research into effectiveness of audio-visual and other mechanical teaching devices. 6 credits

**\*EDST 2206 (EL 272) CHILD HEALTH AND NUTRITION**

Preparation course for all school health personnel. Concentration on complete core sub-

ject matter relating to health education and nutrition. 3 credits

**\*EDST 2207 (EL 273) GROWTH AND DEVELOPMENT—THE PRE-SCHOOL CHILD**

Theories of developmental psychology; techniques for optimum development of self-discipline and child-adult relationships as advanced by such psychologists as Adler, Dreikurs, Ginot, Beck and Le Shan. Cognitive theories of development of Piaget; moral stages of development advanced by Kohlberg and others. 3 credits

**\*EDST 2208 (EL 275) SELECTED PROBLEMS FOR STUDY IN EARLY CHILDHOOD EDUCATION**

Focuses in depth on one or more problems in early childhood education. May include such studies as impact of television and the media on childhood development; play theories; values for cognitive, social and emotional development; special approaches such as Montessori programs; children with special problems. 3 credits

**\*EDST 2209 (EL 277) DEVELOPING CREATIVE ABILITIES IN YOUNG CHILDREN**

Techniques for stimulating creative ideation and production in children. Identification of stages of artistic development that enable a teacher to support and enhance natural development. 3 credits

**\*EDST 2210 (EL 278) LANGUAGE DEVELOPMENT AND LANGUAGE ARTS IN EARLY CHILDHOOD EDUCATION**

The natural development of language and verbal abilities. Techniques for the encouragement and support of language and communications skills generally, and specifically as this development relates to readiness for reading and other intellectual processes. Perceptual problems and "atypical" development. 3 credits

**\*EDST 2211 (EL 279) RHYTHM/MOTOR DEVELOPMENT OF YOUNG CHILDREN**

Approach to the identification of stages of development in motor activity to assess individual progress. Developing rhythmic perception and rhythmic response through expressive movement in music. Emphasis on motor skills and relationship to intellectual development. 3 credits

**\*EDST 2212 (EL 289) CREATING AN ENVIRONMENT FOR CHILDHOOD EDUCATION**

Physical arrangement of learning centers, interest centers, play areas, creative art and movement areas, and materials for programs in nursery, kindergarten and primary grades. Adaptations for children with special needs: physically, emotionally, socially. 3 credits

\*Nursery school courses must be taken beyond the 126 credit minimum for degree requirements.

**EDST 3201 (EL 54) CHILDREN'S LITERATURE**

Methods and techniques to help the child experience all genres of literature. 3 credits

**EDST 3202, 3203, 3204, 3205 (EL 205, 206, 207, 209) PRACTICUM IN STYLES/STRATEGIES OF TEACHING**

(Minimum of 180 hours required in field teaching as assistant)

**EDST 3202, 3203**—Practicum emphasizing a comprehensive knowledge of the reading process, diagnostic instruments, procedures and techniques. Organization of reading instruction and materials. Similar treatment given to the teaching of mathematics. Unit and lesson plans. 6 credits

**EDST 3204, 3205**—Practicum emphasizing the knowledge of listening, language, and functional learning/reading skills, student attitudes toward reading and appreciation of various types of children's literature. Similar treatment given to the teaching of science. Contracts and task cards. Techniques in the teaching of health, art, and music. 6 credits

**EDST 3206 (EL 262) APPROACHES TO BEGINNING READING**

Investigation of significant characteristics of approaches to beginning reading. Strengths and weaknesses and origins of each approach. Discussion of methodology and materials. Examination of definitive research studies. 3 credits

**EDST 3207 (EL 296) (ED 296, SE 296). PROGRAMMING IN BASIC**

Prerequisite: EDST 1203

Continuation of EDST 1203, intended for those students who want to learn more about programming. Students write programs to solve a variety of problems and apply programming techniques to applications in educational settings. Emphasis on students' capabilities to discover solutions. 3 credits

**EDST 3208 (EL 297) (ED 297, SE 286) PROGRAMMING**

Prerequisite: EDST 1203

For students who want to learn more about programming in BASIC. Students write programs to solve a variety of problems. 3 credits

**EDST 3209 (EL 298) (ED 298, SE 298) SOFTWARE EVALUATION**

Prerequisite: EDST 1203

Designed for students who want to become familiar with criteria for evaluating educational software. Concentration on the goals and objectives of the software, its content, approach and means of evaluation, examining both instructional and technical design. Students evaluate software in depth. 3 credits

**EDST 4201 (EL 211) SENIOR INTERNSHIP**

Prerequisite: fulfillment of one semester field experience.

Under the supervision of members of the Department of Elementary Education who observe, evaluate, and constructively criticize the effectiveness of students in the classroom. 6 credits

## **Programs in Developmental Disorders**

### **(Teacher of the Handicapped)**

**Program Coordinator:** Peskin

The field of special education is one of the most rapidly changing areas in education. It is concerned with children who have been deemed unable to benefit from the traditional educational process—children of low and/or high mental abilities, children with general and specific learning disabilities, children with communication disorders and children with physical disabilities. In the past, special education teacher training programs prepared teachers of the retarded or teachers of the socially mal-adjusted or teachers of the brain injured and so forth, but the current practice is to prepare special education teachers who are concerned not with labels but with children. Seton Hall University's program follows this practice.

The Department of Educational Studies offers programs in Developmental Disorders, which lead to certification as Teacher of the Handicapped. This professional training technical major, in conjunction with elementary and secondary education programs, is available to all students.

SETON HALL UNIVERSITY

Students who concentrate in Developmental Disorders must also select a major program in elementary or secondary education. Upon satisfactory completion of the 36-credit course of study, students are eligible for a Teacher of the Handicapped teaching certificate.

**Teacher of the Handicapped/Developmental Disorders Program  
Coordinated with the Elementary Education Program**

Behavior and Social Science Core: 12 credits

	Credits
PSYC 1101 Introduction to Psychology	
OR	
PSYC 1105 Principles of Psychology	3
PSYC 1212 Child Psychology	3
PSYC 1218 Drug and Alcohol Abuse	3
PSYC 1221 Exceptional Child Psychology	<u>3</u>
	12

Developmental Disorders Core: 27 credits

EDST 2101 Learning Disabilities	3
EDST 2103 Social, Emotional and Behavioral Maladjustment	3
EDST 2105 Methods and Materials for Teaching Disabled Children	3
EDST 2110 Language and Speech: Development and Disorders	3
EDST 3101 Persons with Mental Retardation	3
EDST 3102 Community Resources	3
EDST 3103 Psycho-Educational Diagnosis and Assessment in Special Education	3
EDST 4101 Visual Language Disorders	3
EDST 4102 Seminar in Special Education	<u>3</u>
	27

Developmental Disorders Electives: 9 credits 9

Elementary Education Core: 30 credits

EDST 1201 Introduction to Teaching	3
EDST 1202 Psychology of Teaching	3
EDST 2202 Laboratory in Curriculum Analysis I	3
EDST 2203 Laboratory in Curriculum Analysis II	3
EDST 3202 Practicum in Styles/Strategies of Teaching Reading	3
EDST 3203 Practicum in Styles/Strategies of Teaching Math	3
EDST 3204 Practicum in Styles/Strategies of Teaching Reading and Language Arts	3
EDST 3205 Practicum in Styles/Strategies of Teaching Science and Social Studies	3
EDST 4201 Senior Internship	<u>6</u>
	30



Liberal Arts Core: 48 credits

English: 9 credits

ENGL 1201	College English I	3
ENGL 1202	College English II	3
ENGL 2101	Great Books of the Western World I	3
	OR	
ENGL 2112	English Literature II	—
		9

History: 9 credits

HIST 1201, 1202	Western Civilization I and/or II	3
HIST 1301, 1302	American History I and/or II	3
HIST	Elective by Advisement	<u>3</u>
		9

Math: 3 credits

MATH 1014	Intermediate Algebra	3
	OR	
MATH 1101	Statistical Concepts and Methods	—
		3

Art/Music: 6 credits

AART 1101	Art of the Western World	3
MUHI 1102	Music and Civilization	<u>3</u>
		6

Philosophy/Religion: 9 credits

RELG 1402	World Religions	3
PHIL 1101	Introduction to Philosophy	3
PHIL/RELG	Elective	<u>3</u>
		9

Computer Science: 3 credits

BMIE 1001	Computer Fundamentals	3
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Science: 6 credits

BIOL 1101	Introduction to Biology	3
CHEM 1001	Chemistry in the World Around Us — an Investigative Approach	3
	OR	
ERTH 1019	Introduction to Geology	
	OR	
PHYS 1007	Introduction to Astronomy	—
		6

Communication: 3 credits

COST 1600	Oral Communication	3
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Total Number of Credits: 126

SETON HALL UNIVERSITY

**Teacher of the Handicapped/Developmental Disorders Program  
Coordinated with the Secondary Education Program**

Behavior and Social Science Core: 12 credits

	Credits
PSYC 1212 Child Psychology	3
PSYC 1213 Adolescent Psychology	3
PSYC 1218 Drug and Alcohol Abuse	3
PSYC 1221 Exceptional Child Psychology	<u>3</u>
	12

Developmental Disorders Core: 27 credits

EDST 2101 Learning Disabilities	3
EDST 2103 Social, Emotional and Behavioral Maladjustment	3
EDST 2105 Methods and Materials for Teaching Disabled Children	3
EDST 2110 Language and Speech: Development and Disorders	3
EDST 3101 Persons with Mental Retardation	3
EDST 3102 Community Resources	3
EDST 3103 Psycho-Educational Diagnosis and Assessment in Special Education	3
EDST 4101 Visual Language Disorders	3
EDST 4102 Seminar in Special Education	<u>3</u>
	27

Developmental Disorders Electives: 9 credits 9

Secondary Education Core: 30 credits

EDST 1301 Educational Psychology	3
EDST 1501 History and Principals of Education	3
EDST 2501 Philosophy of Education and the School Curriculum	3
EDST 3301 Education Measurement and Evaluation	3
EDST 3501 Strategies for Teaching	3
EDST 3505 Reading Improvement in the Schools	3
EDST 3510 Culture, Community and School	3
EDST 4501 Senior Internship	6
EDST 5501 Advanced Teaching Strategies	<u>3</u>
	30

Liberal Arts Core: 51 credits

English: 9 credits

ENGL 1201 College English I	3
ENGL 1202 College English II	3
ENGL 2101 Great Books of the Western World I	3
OR	
ENGL 2112 English Literature II	<u>9</u>

History: 12 credits

HIST 1201, 1202 Western Civilization I and/or II	6
OR	
HIST 1301, 1302 American History I and/or II	
HIST Nontraditional	3
HIST Nontraditional	<u>3</u>
	12

Math: 3 credits

MATH 1014 Intermediate Algebra	3
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Science: 3 credits		
BIOL 1101	Introduction to Biology	3
	OR	
CHEM 1001	Chemistry in the World Around Us — an Investigative Approach	
	OR	
ERTH 1019	Geology	
	OR	
PHYS 1007	Astronomy	
	OR	
PHYS 1601	Introductory Physics I	—
		3
Computer Science: 3 credits		
BMIE 1001	Computer Fundamentals	3
Philosophy: 6 credits		
PHIL 1101	Introduction to Philosophy	3
PHIL 1104	Logic	3
	OR	
PHIL 1105	Ethics	—
		6
Religion: 3 credits		
RELG 1402	World Religions	3
Art/Music: 3 credits		
AART 1101	Art of the Western World	3
	OR	
MUHI 1102	Music and Civilization	—
		3
Communication: 3 credits		
COST 1600	Oral Communication	3
Liberal Arts Electives: 6 credits		
Total Number of Credits: 129		

## Course Descriptions

### EDST 1106 INTRODUCTION TO THE PSYCHOLOGY OF EXCEPTIONAL CHILDREN

Nature of exceptionality: persons with mental retardation, social, emotional and behavioral maladjustments, gifted, physically handicapped and others. Biological, psychological and sociological determinants of developmental difference. Educational alternatives available to exceptional children. 3 credits

### EDST 2101 (CS 205) LEARNING DISABILITIES

Study of the theoretic constructs underlying learning disabilities and behavioral manifestations of the learning disabled in the home and academic environments. Discussion includes overview of support systems, pertinent legislation and recent issues. 3 credits

### EDST 2103 SOCIAL, EMOTIONAL AND BEHAVIORAL MALADJUSTMENT

Introduction to persons with social, emotional and behavioral maladjustments. Concepts such as autism, childhood schizophrenia, conduct disorders and others will be examined. Focus on etiology, theoretical models used to explain these disorders, assessment, intervention strategies and educational programming approaches. 3 credits

### EDST 2105 METHODS AND MATERIALS FOR TEACHING DISABLED CHILDREN

Various materials for use with children with disabilities, such as computer software and functional academic guides, will be demonstrated. Teaching techniques, like behavior modification and gentle teaching, will be discussed and compared across differing disabled populations. 3 credits

**EDST 2110 LANGUAGE AND SPEECH: DEVELOPMENT AND DISORDERS**

Introduction to the developmental aspects of language and speech. Presentation of different theories and techniques to support communication skills. Study of etiology, characteristics, preventive and therapeutic procedures of speech and language disorders in children.

3 credits

**EDST 3101 PERSONS WITH MENTAL RETARDATION**

History and current perception of persons with retardation in our culture. Biological, social, emotional and cognitive development emphasized throughout the lifespan. Current educational, legal, political and social events, such as deinstitutionalization discussed.

3 credits

**EDST 3102 COMMUNITY RESOURCES**

Introduction to pertinent resources on the local, state and national level related to teaching/aiding persons with disabilities. Guest lectures by persons involved with disabilities on all levels: administration, teacher, parent and advocate. Field visits required.

3 credits

**EDST 3103 (CS 202) PSYCHO-EDUCATIONAL DIAGNOSIS AND ASSESSMENT IN SPECIAL EDUCATION**

Basic principles of psychological, developmental and educational testing, diagnosis and assessment. Consideration and evaluation of the types of tests commonly used in special education. Introduction to diagnostic and assessment processes and report writing. Discussion of controversial issues.

3 credits

**EDST 4101 (CS 239) VISUAL LANGUAGE DISORDERS**

Investigates the foundations of visual language communication; traces the developmental schedule of reading and writing acquisition; analyzes reading and writing disorders; highlights strategies for assessing and correcting deficiencies in visual language communication.

3 credits

**EDST 4102 SEMINAR IN SPECIAL EDUCATION**

Focuses on current research related to persons with disabilities: educational, legal, judicial, political and social issues. The interrelatedness of these issues and their ramifications for teachers of children with disabilities will be examined.

3 credits

## Computer Education Program

**Program Coordinator:** Kaplan

The College of Education and Human Services offers a variety of courses in its Computer Education Program. While these courses teach fundamentals in several different areas of computing, they also serve educators in their role of implementing computer education programs in the schools. Students may take one or more of these courses while pursuing their regular programs.

Students may also earn a Certificate in Computer Education. The main purposes of the Certificate program are to

stimulate wider interest in computer education and to reward students who have achieved a level of experience and knowledge in this growing field. The Certificate Program is open to all students enrolled at the University.

The Certificate in Computer Education is awarded to students who have successfully completed 15 credits in the Computer Education Program. A maximum of 6 credits will be accepted for equivalent computer experience in other divisions of the University or for courses taken at other colleges. Students must complete the final 9 credits in the Computer Education Program of the College of Education and Human Services.

## Course Descriptions

**EDST 1203 COMPUTER LITERACY**

For students with little or no computer experience. Beginning programming, operating microcomputers, the role of hardware and software, word processing and understanding computer systems.

3 credits

**EDST 3207 PROGRAMMING IN BASIC**

Prerequisite: EDST 1203 Computer Literacy

For students who want to further their knowledge of writing programs in BASIC. Students write programs to solve a variety of problems.

3 credits

**EDST 3208 USING COMPUTERS**

Demonstrates various software tools useful in different settings: word processing, data base management for educators and spreadsheets. Investigation of ways these tools can be integrated into the educational curriculum.

3 credits

**EDST 3209 SOFTWARE EVALUATION**

Concentrates on the goals and objectives of software, its content and approaches and instructional and technical design. Students

evaluate software in depth as part of the course requirements.

3 credits

**EDST 4216 LOGO**

Introduces the essentials of the Logo language. Major emphasis on turtle graphics, procedures, variables, recursion and lists. Logo as a vehicle for problem solving for educators, background for implementing full logo programs in the schools.

3 credits

## Computer

Assistant Professor: Skeele

Computer Fundamentals is a course open to all students who seek a basic understanding. No prerequisite knowledge is necessary.

BMIE 1001 Computer Fundamentals

3

## Course Description

**BMIE 1001 (CI 16) COMPUTER FUNDAMENTALS**

Basic knowledge of computers and computing, use of computers in problem solving, impact of computers on society. Emphasis on hands-on training directed toward learning word processing, spreadsheet and database software.

3 credits

## Basic Skills and Enrichment Offerings

Instruction is available for both the scholastically proficient and the academically weak student. Following is a list of courses:

EDST 1101	American Standard English	3
SKIL 1102	College Reading Skills	3
SKIL 1104	College Study Skills	1
SKIL 1105	University Life	2
SKIL 3119	Speed Reading	1
EDST 4103	Sign Language I	3
EDST 4104	Sign Language II	3

## Course Descriptions

**EDST 1101 (CS 1) AMERICAN STANDARD ENGLISH**

The development and maintenance of clear and effective oral language skills through intensive self-monitoring and self-correction via phonetic transcription, dictionary study and prepared oral presentations.

3 credits

**SKIL 1104 (CS 6) COLLEGE STUDY SKILLS**

Aids students in making the transition to college. Study skills, note taking, methods of studying for and taking examinations, setting priorities. Aids students in identifying and seeking assistance on campus, deciding on a major and dealing with the appropriate devel-

opmental tasks. Life skills: time management, decision making, human relations and stress management. 1 credit

**SKIL 1105 UNIVERSITY LIFE**  
(Entering students only)

Aids students in making the transition to college. Study skills—note taking, methods of studying for and taking examinations. Aids students in knowing and seeking services of help on campus, deciding on a major and dealing with the appropriate developmental tasks. Life skills—assertiveness, decision making. 2 credits

**SKIL 3119 (CS 5) SPEED READING**

Attempts to increase reading rate while maintaining existing comprehension levels. Emphasis on flexibility of rate and adjusting reading speeds to suit different reading needs. Designed for average to above-average college

readers whose basic vocabulary and comprehension skills are in good shape. Not a remedial course. 1 credit

**EDST 4103 (CS 290) SIGN LANGUAGE I**

Basic principles of language and communication applied to sign language as a mode of communication. Description of various forms of sign language. Manual alphabet and signs for basic communication in expressive and receptive context. 3 credits

**EDST 4104 (CS 291) SIGN LANGUAGE II**

History of sign language and an overview of a sign systems currently in use in the United States. Basic beginning vocabulary. Detailed examination of the differences between American Sign Language and Signed English. Focus on increasing vocabulary size and gaining greater fluency in expressive and receptive signing skills. Introduction to American Sign Language idioms. 3 credits

## PROGRAM OF HEALTH EDUCATION AND PHYSICAL EDUCATION

**Program Coordinator:** Zaccone-Tzannetakis

The Department of Health Education and Physical Education offers a program leading to the degree Bachelor of Science in the College of Education and Human Services. Graduates who meet NTE requirements are eligible for New Jersey State certification to teach physical education, health education and driver education in elementary and secondary schools.

Special emphasis is given to fitness, officiating, coaching, and school and community health. The field experience program begins in the sophomore year and ends with a supervised internship program in the senior year. The field experience prepares students for careers in health and physical education and the allied fields outside teaching. Students are required to complete 72 credits in health and physical education. Students may elect to complete certification in driver education in addition to their major in Health and Physical Education.

Studies for the school and community health education major focus on wellness programs, prevention and intervention education for application in schools, workplaces, governmental, private and public agencies.

## Health and Physical Education Dual Certification Program

**Freshman Fall Semester**

BIOL 1101	Introduction to Biology	3
MATH	Mathematics Elective	3
ENGL 1201	College English I	3
HPER 1401	Basic Foundations of Physical Education	3
HPER 1403	Intro to Team Sports I	<u>3</u>

Credits  
15

**Freshman Spring Semester**

ENGL 1202	College English II	3
BIOL 1102	Human Anatomy I	4
HPER 1404	Intro to Team Sports II	3
HPER 1417	Basic Concepts in Health	3
PSYC 1101	Intro to Psychology	<u>3</u>
		16

**Sophomore Fall Semester**

HIST	History Elective	3
ENGL	English Elective or COST 1600 Oral Communication	3
BIOL 1103	Human Anatomy II (4 credits)	4
EDST 1301	Educational Psychology	3
HPER 1408	Intro to Gymnastics	<u>3</u>
		16

**Sophomore Spring Semester**

AART	Art or Music Elective (MUAP)	3
EDST 3505	Reading Instruction in Schools	3
HPER 2404	Athletic Conditioning and First Aid	3
HPER 2405	Aquatics—Advanced Senior Lifesaving Water Safety Instructor	3
PSYC 1218	Drug and Alcohol Abuse	3
BMIE 1601	Computer Fundamentals	<u>3</u>
		18

**Junior Fall Semester**

SOCI 1101	Principles of Sociology	3
HPER 3404	Curr/Meth of Teaching Phys. Ed/Elem/Sec/Schools	3
HPER 3409	Topics in Family Life	3
HPER 3411	Coaching and Officiating	3
PHIL or RELS	Philosophy/Religious Studies Elective	3
EDST 3510	Culture, Community and Schools	<u>3</u>
		18

**Junior Spring Semester**

HPER 3401	Physiology of Exercise	3
HPER 3403	Curr/Meth of Teaching Health/Elem/Sec/Schools	3
HPER 4410	Elem. Folk Dance and Rhythms	3
HPER 4411	Lifetime Recreational Activities	3
SOCI 2215	Sociology of Sport/PSYC (1219) Sport Psychology	3
PSYC 1221	Exceptional Child Psychology	<u>3</u>
		18

**Senior Fall Semester**

EDST 3301	Educational Measurements	3
HPER 4401	Physical Diagnosis	3
HPER 4402	Nutrition and Physical Fitness	3
HPER 4403	Remedial Physical Education	3
HPER 4404	Adm/Supervis/Health/Phys. Ed.	3
HPER 4407	Advanced Activities	<u>3</u>
		18

**Senior Spring Semester**

PHIL or RELS	Philosophy/Religious Studies Elective	3
HPER 4408	Senior Internship in Health and Physical Education	<u>6</u>
		9

Total 128

## School and Community Health Education Major

### Health and Physical Education Program

#### Freshman Fall Semester

BIOL 1101	Intro to Biology	3
	Biology Lab	1
ENGL 1201	College English I	3
MATH	Elective	3
HIST	Elective	3
BMIE 1001	Computer Fundamentals	3
		<hr/> 16

#### Freshman Spring Semester

BIOL 1102	Human Anatomy I	4
ENGL 1202	College English II	3
HPER 1417	Basic Concepts in Health	3
PHIL/RELI	Elective	3
PSYC 1101	Introduction to Psychology	3
		<hr/> 16

#### Sophomore Fall Semester

BIOL 1103	Human Anatomy II	4
SOCI 1101	Principles of Sociology	3
PSYC 1218	Drugs and Alcohol Abuse	3
PSYC 1221	Psychology of Exceptional Children	3
EDST 1301	Educational Psychology	3
		<hr/> 16

#### Sophomore Spring Semester

EDST 3505	Reading Instruction in Schools	3
AART	Art/Music Elective	3
HPER 2404	Athletic Conditioning and First Aid	3
	Health-Related Elective	3
PSYC	Select ONE of the following:	3
	1211 Psychology Adjustment	
	1212 Child Psychology	
	1213 Adolescent Psychology	
		<hr/> 15

#### Junior Fall Semester

CHEM 1101	Elements of Chemistry I	4
EDST 3510	Culture, Community and School	3
HPER 3409	Topics in Family Life	3
HPER 3570	Principles and Practice of Community Health	3
HPER 4402	Nutrition and Physical Fitness	3
		<hr/> 16

#### Junior Spring Semester

HPER 3401	Physiology of Exercise	3
HPER 3403	Curricula and Methods of Teaching Health Education in Elementary and Secondary Schools	3
HPER 3500	Human Diseases	3
PSYC 2241	Abnormal Psychology	3



Select 6 credits from the following:		6
	EDST 3102 Community Resources	
	SOWK 1711 Theory and Practice I	
	SOWK 1311 Child Welfare	
	SOWK 1912 Psychosocial Aspects of Aging	
		<hr/>
		18
<b>Senior Fall Semester</b>		
HPER 4401	Physical Diagnosis	3
HPER 4404	Administration and Supervision of Health and Physical Education	3
EDST 3301	Educational Measurements	3
PSYC 2212	Developmental Psychology	3
SOCI 2910	Research Methods I	<u>3</u>
		15
<b>Senior Spring Semester</b>		
ENGL ELECTIVE or COST 1600 Oral Comm		3
PHIL/RELI ELECTIVE		3
HPER 4420	Internship in School and Community Health Education	<u>8</u>
		14
	Total Credits	126

## Course Descriptions

### HPER 1401 (HE 12) BASIC FOUNDATIONS OF PHYSICAL EDUCATION

Presentation and evaluation of physical education as a career (education, recreation, sports medicine and corporate fitness) and its potential as an educational tool. Review of historic, social, and philosophic and scientific advances of physical education and fitness, and their impact. 3 credits

### HPER 1403-1404 (HE 71-72) INTRO TO TEAM SPORTS I and II

Instruction in rules/safety techniques and methods of playing and coaching all season sports associated with the school sports program. Analysis and discussion of fundamental duties and qualifications of players. 6 credits

### HPER 1408 INTRODUCTION TO GYMNASTICS

Conditioning, apparatus and tumbling skills. Strengthens students' performance and methods of teaching/coaching gymnastics and fundamental movement. 3 credits

### HPER 1417 BASIC CONCEPTS IN HEALTH

Application of health science to everyday living. Consideration of current aspects of health—social, mental, emotional and physical. 3 credits

### HPER 2404 (HE 37) ATHLETIC CONDITIONING AND FIRST AID

First-aid treatment for common injuries occurring in various branches of physical activities and prevention of injuries in gymnastics and

athletic activities. Care of athletic injuries—bandaging, taping, conditioning, massage, physical therapy. Certification in American Red Cross First Aid and American Heart Association CPR available to qualified students. 3 credits

### HPER 2405 AQUATICS

Provides training in teaching Red Cross swimming skills, water safety and conditioning. Offers students the opportunity to receive certification in Advanced Senior Lifesaving and/or Water Safety Instruction. 3 credits

### HPER 3401 (HE 34) PHYSIOLOGY OF EXERCISE

Prerequisite: BIOL 1102 and 1103

Changes in body function resulting from physical effort. Functional reaction which follows exercise. Study of applied anatomy and kinesiology as it relates to sports medicine. 3 credits

### HPER 3403 (HE 42) CURRICULA AND METHODS OF TEACHING HEALTH EDUCATION IN ELEMENTARY AND SECONDARY SCHOOLS

Prerequisites: BIOL 1102 and 1103

Study of programs, syllabi, resources, instructional aids and methods. Analysis of health-teaching units. Selection and evaluation of materials and information for instructional purposes. Planning and developing curricula in health education. Field work required. 3 credits

**HPER 3404 (HE 44) CURRICULA AND METHODS OF TEACHING PHYSICAL EDUCATION IN ELEMENTARY AND SECONDARY SCHOOLS**

Prerequisites: HPER 1403-1404; HPER 1408  
 Critical study of curricula, methods of instruction and application of general and specific teaching techniques. Progressive practice in selecting and organizing materials into programs for a day, week, month and year. Principles, objectives and outcomes discussed. Field work required. 3 credits

**HPER 3409 TOPICS IN FAMILY LIFE EDUCATION**

Prerequisite: HPER 1417  
 Prepares educators for teaching health education topics in the affective domain. Resources and strategies for teaching abuse prevention and intervention, mental health family dynamics, and issues of sexuality are covered. Course also includes opportunity for community health education projects. (Field trip required.) 3 credits

**HPER 3411 COACHING AND OFFICIATING**

Methods of organization, practice in directing teams, psychology of coaching, development of team spirit, techniques in officiating, purchase and care of equipment. Rules and interpretations of major and minor sports. 3 credits

**HPER 3500 HUMAN DISEASE IDENTIFICATION**

Study of prevention (primary, secondary, tertiary) of chronic, ethnic, genetic, communicable, sexually transmitted and social diseases. Deals with a variety of issues, including AIDS, alcoholism, addiction and mental illness. 3 credits

**HPER 3560 BIOMECHANICS**

Prerequisite: Anatomy and Physiology I & II and HPER 2404  
 Combines the study of physiology, physics and biology as they apply to motor conditioning. 3 credits

**HPER 3570 PRINCIPLES AND PRACTICE OF COMMUNITY HEALTH**

Prerequisite: 9 credits in health education  
 Study of the roles of the community health educator and information regarding resources for community health education. Course includes practical experience in addition to classroom instruction. 3 credits

**HPER 4401 (HE 33) PHYSICAL DIAGNOSIS**

Physical symptoms of common diseases, deformities and abnormal conditions. Emphasis on function of various organs and their relation to disease, methods used in detecting physical signs and the influence of exercise on the organs affected and identification of disorders. 3 credits

**HPER 4402 (HE 35) NUTRITION AND PHYSICAL FITNESS**

Personal nutrition and its role in the athletic conditioning program; nutritive value of foods; basic food needs of different age groups; the chemistry of nutrition; relationship of nutrition to physical fitness, diseases, optimum health and sports participation. 3 credits

**HPER 4403 (HE 38) REMEDIAL PHYSICAL EDUCATION**

Prerequisite: Anatomy and Physiology I & II  
 Human anatomy and physiology as they pertain to corrective exercises and adapted physical education. Deviations from the normal studied. Methods of examination and means of correction analyzed and practiced. Considerations of sports injuries and rehabilitation. 3 credits

**HPER 4404 (HE 46) ADMINISTRATION AND SUPERVISION OF HEALTH AND PHYSICAL EDUCATION**

Prerequisites: HPER 3403; HPER 3404  
 Methods for organization of school personnel to achieve health objectives—administration of health examinations, follow-up procedures, control of disease, sanitation of the school plant, prevention of accidents. Consideration of all aspects of educational leadership. 3 credits

**HPER 4407 ADVANCED ACTIVITIES**

Prior to the senior internship, students integrate organizational and instructional skills with physical education topics. By practical application in lessons of rhythms, sports, games and physical activities, professional and leadership skills are enriched. 3 credits

**HPER 4410 (HE 61) ELEMENTARY FOLK DANCE, GAMES AND RHYTHMS**

Instruction in various forms of folk, social, rhythmic and aerobic dances. Theory and practice of all types of simple, individual and group games suitable for different age levels. 3 credits

**HPER 4411 LIFETIME RECREATIONAL ACTIVITIES**

Practical experience in the organization and participation of physical activities which have value for fitness. Activities include but are not limited to: archery, badminton, tennis, golf, bowling, lawn games, horseback riding and skiing. (Field trips are required.) 3 credits

**HPER 4415 INDEPENDENT STUDY IN HEALTH AND PHYSICAL EDUCATION**

1 credit

**HPER 4416 INDEPENDENT STUDY IN HEALTH AND PHYSICAL EDUCATION**

2 credits

**HPER 4417 INDEPENDENT STUDY IN HEALTH AND PHYSICAL EDUCATION**

3 credits

**Seminar**

**HPER 4409 (HPER 4408) SEMINAR AND PRACTICUM IN STUDENT TEACHING**

Internship in health and physical education accompanies a seminar where issues of education and the role and function of educators are addressed. 6 credits

**Workshop**

**HPER 4406 (HE 90) TEACHER WORKSHOP FOR DRIVER EDUCATION**

(For prospective teachers and in-service teachers who intend to teach driver education in the New Jersey high schools)

Knowledge and methodology as it relates to the classroom and behind-the-wheel. Psychological aspects of the driver education program. Working with high school drivers under laboratory conditions: modern audio-visual equipment, such as driver simulators. 3 credits

#### **HPER 4420 INTERNSHIP IN SCHOOL AND COMMUNITY HEALTH**

Combines field experience as an educator with a weekly seminar. Those who intend to qualify for teaching certification in health education (k-12) will complete at least 15 weeks of internship in an approved school setting and eight weeks in an assigned community setting: public, private or voluntary health promotion agency. Supervision and evaluation is conducted by qualified health educators. 8 credits

### **Free Electives**

#### **HPER 1405 DANCE FUNDAMENTALS**

A practical experience in the basics of various forms of dance: aerobics, ballet, jazz, tap, modern, social and folk. Includes a field trip to a semi-professional performance. 3 credits

#### **HPER 1407 (HE 112) BEGINNER TENNIS**

Fundamentals of the rules, regulations and the basic strokes and a general knowledge of how the game should be played. 3 credits

#### **HPER 1409 (HE 91) CPR—BASIC CARDIAC LIFE SUPPORT**

Training in emergency cardiac care through cardiopulmonary resuscitation. Cardiovascular and respiratory systems, coronary artery disease, one and two rescuer CPR and obstructed airway. Upon successful completion of the course, CPR basic rescuer cards issued. 2 credits

#### **HPER 1410 (HE 113) RECREATIONAL SWIMMING**

Beginner swimming skills and knowledge to insure reasonable safety in, on or about the water. 3 credits

#### **HPER 2407 (HE 114) INTERMEDIATE TENNIS**

Advanced skills in tennis; strategies of coaching; tournament play. 3 credits

#### **HPER 3444 SCUBA DIVING**

Practice in the techniques of scuba diving skills, safety procedures and equipment management. Student may opt for certification. (Lab fee additional) 3 credits

#### **HPER 3450 INTRODUCTION TO SKIING**

Study and practice of basic skiing and safety techniques, care and selection of equipment. 2 credits

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## **PROGRAM OF SECONDARY EDUCATION**

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The Program in Secondary Education offers courses leading to teacher certification in a variety of areas and to the degrees of Bachelor of Science, Master of Arts in Education and Education Specialist. Graduates are recommended for New Jersey State Certification in accordance with state guidelines.

The program has been redesigned to comply with newly enacted teacher certification guidelines and standards issued by state and nation-wide accrediting agencies. The program consists of strong field-oriented and sequenced professional studies in secondary education and diverse selection of fields of specialization. Students in the program must complete an academic major in one of the listed fields in addition to the sequence of professional education

courses in secondary education. Upon completion of the degree program, graduates are recommended for certification to teach in junior or senior high schools, or in their corresponding subject areas, K through 12. Under current rules, students must pass the specialty examination of the NTE to qualify for New Jersey certification.

One of the features of the program is the integration of classroom experience and educational theory. Field experiences begin in the sophomore year and continue through senior internship. Students are exposed to a variety of classroom settings and work closely with both cooperating teachers, school supervisors and program faculty. Students may elect the following fields of certification (a certification field must be taken as an academic major in the College of Arts and Sciences):

- Art
- Biological Science
- Chemistry
- Developmental Disorders
- English

**Languages**

- Chinese
- French
- German
- Italian
- Japanese
- Latin
- Russian
- Spanish

**Mathematics**

- Physical Science
- Social Studies

Students must complete an academic major in another field.

**Endorsements**

- Bilingual/Bicultural Education
- Driver Education
- English as a Second Language

**Program Major**

In addition to the departmental core requirements for the degree, students must satisfactorily complete the required courses in professional education, their academic major and related areas and free electives.

Course and credit requirements are subject to change in accordance with changing New Jersey teacher certification requirements.

Each student will be assigned an adviser. The student will be responsible for meeting with the adviser at least twice a year to plan, schedule and review courses, and discuss progress. All Secondary Education majors will be given the name of an adviser in the College of Arts and Sciences for purposes of monitoring the academic major. This adviser must also be seen at least twice a year.

**Sample Course of Study**

All course registration must be done with the Secondary Education program. Individual courses of study will vary according to selected major field(s). Students are advised to schedule 18 credits.

<b>Freshman</b>		Credits
ENGL 1201-1202	English I and II	6
HIST	History. Chosen in consultation with adviser	6
MATH	Mathematics*	
	Chosen in consultation with adviser	3
PHIL/RELS	Philosophy/religious studies. Chosen in consultation with adviser.	6
EDST 1301	Educational Psychology	3
EDST 1501	History and Principles of Education	3
	Courses Selected from Major Fields	9
<b>Sophomore</b>		
Art/Music	Chosen in consultation with adviser.	3
ENGL	English. Chosen in consultation with adviser.	3
PHIL/RELS	Philosophy/religious studies. Chosen in consultation with adviser.	3
EDST 2501	Philosophy of Education and the School Curriculum	3
EDST 3505	Reading Improvement in the Schools	3
	Science**	3
	Courses Selected from Major Fields	15
	Computer Science	3

<b>Junior</b>			
PHIL/RELS	Philosophy/religious studies. Chosen in consultation with adviser.		3
EDST 3301	Educational Measurements		3
	Courses Selected from Major Fields		15
	General education electives.		
	Chosen from arts, mathematics, science, social science, humanities, computer science		6
EDST 3501	Strategies and Methods of Teaching		3
EDST 5501	Advanced Teaching Strategies		3
<b>Senior</b>			
EDST 3510	The Culture, the Community and the School		3
EDST 4501	Senior Internship and Seminar		6

\*All students will be given a copy of the liberal arts core which must be followed in consultation with an adviser. The liberal arts core is presently undergoing revision and significant changes to the above sample course of study are possible.

\*\*If biology, science, comprehensive or physical science is selected as a major teaching field, students are urged to take MATH 1401-1402 Calculus I & II (8 credits).

## Course Descriptions

### EDST 1301 (ED 101) EDUCATIONAL PSYCHOLOGY

Principles of the learning process based upon psychological and interdisciplinary research. Analysis of human growth, individual differences, motivations, transfer of learning, habit formation and personal adjustment. Attention to strategies for presenting classroom description, creation of a healthy learning environment, individual differences and language development. 3 credits

### EDST 1501 (SE 105) HISTORY AND PRINCIPLES OF EDUCATION

Foundations of schooling in America. Bureaucratic and social structure of public education. Analysis of the classroom setting and evolution of teaching preparation. Discussion of how teachers make decisions, allocate instructional time and set priorities. Student practice. Evaluation of leading reports on schooling and education. 3 credits

### EDST 2501 (SE 103) PHILOSOPHY OF EDUCATION AND THE SCHOOL CURRICULUM

Philosophical, psychological and sociological factors influencing the planning and design evaluation of subject matter and assessment methods. Analysis of various organizational models in each subject area. 3 credits

### EDST 3301 (ED 268) EDUCATION MEASUREMENT AND EVALUATION

Theory and practice of educational testing, development and use of tests and other forms of assessment. Analysis and interpretation of test results. Practice in major test construction and application in students' major areas of specialization. 3 credits

### EDST 3501 (SE 102) STRATEGIES FOR TEACHING

Principles, theories and research findings applied to teaching strategies by the teacher as decision maker, based on diagnosis of the student in the psychomotor, affective and cognitive domains in teaching subject fields grades K-12. Rights, privileges and responsibilities of the teacher as professional. Importance of reading and study skills, media and counseling. Trends in education. Students required to prepare lesson plans in their major or minor fields. 3 credits

### EDST 3505 (SE 265) READING IMPROVEMENT IN THE SCHOOLS

Survey of the teaching of reading in the elementary school. Emphasis on skills and techniques for reading at the secondary level. Experience as teacher-interns in cooperating school districts on a one-to-one basis with students, gaining experience in reading instruction. 3 credits

### EDST 3510 (SE 290) CULTURE, COMMUNITY AND SCHOOL

Uplifting outlook toward world and American cultures. Helping all persons achieve equality and freedom. Coping with complex issues: economic tragedy, drugs, divorce, single parent, teen-age pregnancy, child abuse, equal education, nuclear threat, ecology, environment. Evaluation based on reflections and optional creative project. 3 credits

**EDST 4501 SENIOR INTERNSHIP**

Prerequisite: approval of department chairperson

The culminating 15-week experience of daily participation in the activities of an approved school under the guidance of a cooperating teacher and University faculty member. Weekly seminar. 6 credits

**EDST 5501 ADVANCED STRATEGIES FOR TEACHING**

Students investigate latest research on how the brain processes information. The processing model becomes the basis for the decisions teachers must make to increase the probability that learning will occur.

Course focuses on expanding skills teachers need to plan and implement lessons and to evaluate student learning. Also covered are learning styles, classroom management procedures, questioning techniques and cooperative learning groups. 3 credits

**Course Descriptions in Bilingual Education and Endorsement in ESL**

**EDST 1502 (SE 270) PRINCIPLES OF BILINGUAL EDUCATION**

The historical, theoretical and cultural rationale for the construction of bilingual/bicultural education programs. Emphasis on present approaches and models and teaching methodology. Review of legislation, court decisions, certification requirements and recent research findings. 3 credits

**EDST 2503 (SE 233) LANGUAGE, CULTURE AND CIVILIZATION**

Analysis of the interrelationship of language and culture, emphasizing semiotics and context; the role of language and culture in shaping individuals, communities and nations; the use and abuse of language in advertising, education and politics. Role of non-verbal communication as it reflects regional stylism, history and culture. 3 credits

**EDST 2504 (SE 234) TEACHING ENGLISH AS A SECOND LANGUAGE II**

A continuation of EDST 3504 3 credits

**EDST 3502 (SE 215) CONTEMPORARY SOCIAL PROBLEMS AND THE BILINGUAL CHILD**

Process of socialization in American society and the ambivalence and frustration experienced by the bilingual child. Attempts of minority groups to preserve a traditional past and at the same time contribute to enrichment of pluralistic societies. Emphasis on

cross-cultural perspective and development of positive self concepts in minority group pupils. 3 credits

**EDST 3503 (SE 231) BILINGUAL EDUCATION: THEORY AND PRACTICE IN CONTENT AREA**

Rationale for and approaches to bilingual teaching. Examination and evaluation of bilingual materials and media for various content areas; inquiry into the relevant findings of current research and experimentation. 3 credits

**EDST 3504 (SE 232) INTRODUCTION TO SECOND LANGUAGE TEACHING**

Underlying theory and practical application of techniques of teaching, listening, speaking, writing and particularly reading English to non-native speakers of English. Major difficulties encountered by non-English speakers: solutions to the various problems. Major textbook and instructional material review. 3 credits

**EDST 3508 (SE 288) FIELD EXPERIENCE IN BILINGUAL EDUCATION**

Prerequisite: departmental approval

A minimum of 100 hours of field experience in a bilingual classroom. 3 credits

**EDST 3511 (SE 299) APPLIED LINGUISTICS OF TESL**

Study of the application of linguistic theories and principles to language acquisition, reading, writing and speaking. Emphasis on teaching language arts in a bilingual setting. 3 credits

**EDST 5501 ADVANCED TEACHING STRATEGIES**

Presentation of current research on teaching and learning. A skills approach to learning is utilized in examination of the three major teaching processes: planning, implementation and evaluation. Topics such as learning styles, cooperative learning groups, classroom management, questioning techniques, discovery and inquiry teaching, mastery learning and methods of evaluating student achievement are covered. 3 credits

# **PROGRAM OF GENERAL PROFESSIONAL EDUCATION**

**Program Coordinator:** Cunningham

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The Program of General Professional Education offers students the opportunity to broaden their general knowledge; to improve instructional and learning techniques; to understand the nature, goals and function of educational processes; and to satisfy specific certification requirements. The general objective is to assist the student in exploring the philosophical, historical, psychological, physiological and sociological bases and functions of education in a democratic society. These courses are also available to students who pursue a major program of study leading to the bachelor's degree from College of Education and Human Services and other schools and colleges of the University.

## **Course Descriptions**

### **EDST 1203 (ED 280) (EL 280, SE 280) COMPUTER LITERACY**

See page 194 for course description. 3 credits

### **EDST 1301 (ED 101) EDUCATIONAL PSYCHOLOGY**

Nature, structure and development of personality. Principles essential to the learning process based on philosophical, psychological, physiological, sociological and anthropological evidence and research. Explores human growth, individual differences, motivation, transfer of learning, habit formation, personal adjustment. 3 credits

### **EDST 1302 (ED 104) MENTAL HEALTH**

Practices and procedures conducive to mental and emotional health. Emphasizes adaptive rather than maladaptive behavior and conduct. 3 credits

### **EDST 2301 (ED 214) INTRODUCTION TO EDUCATIONAL MEDIA**

Selection, use and evaluation of auditory and visual materials for educational instruction. Demonstrations, operational techniques and the place of audiovisual materials in the educational program. 3 credits

### **EDST 3209 (ED 298) (EL 298, SE 285) SOFTWARE EVALUATION**

Prerequisite: EDST 1203

See page 194 for description. 3 credits

### **EDST 3301 (ED 268) EDUCATIONAL MEASUREMENT**

Significance and scope of educational testing theory and practice. Analysis and interpretation of test results. Practice in test construction and application in the student's major and minor areas of study. 3 credits

### **EDST 4302 (ED 205) ISRAELI EXPERIENCE**

Three-week study tour in Israel taught by American and Israeli professors at Hebrew University of Jerusalem. 3 credits

### **EDST 4303 (ED 287) ETHICAL FOUNDATIONS OF HELPING RELATIONSHIPS**

Justice and the universal natural law as related to every aspect of education. Discussions focus on the most significant and fundamental moral issues in education today. 3 credits



## COLLEGE OF NURSING

**Dean:** Barbara A. Becker

### **Department of Undergraduate Nursing**

**Associate Professors:** Gelmann; Russo  
(*Chairperson*); Scharf

**Assistant Professors:** Budin; Gray; Haq;  
Kizilay; Rummel; Ulak; Waldron

**Director, Multipurpose Lab:** Anzelone

**Director, Learning Resources:** Butkus

**Assistant to Dean:** Barbeau

**Director, Extended Campus Programs:**  
Murray

**Recruiter:** Enge

The College of Nursing offers a program of study leading to the degree Bachelor of Science and is accredited by the National League for Nursing and the New Jersey Board of Nursing. Seton Hall University is also accredited by the Commission of Higher Education of the Middle States Association of Colleges and Schools. The program combines liberal education with basic preparation in professional nursing. Graduates are eligible to take the state examination for Registered Nurse licensure. As Registered Nurses baccalaureate graduates are prepared to practice nursing in a variety of settings, which may include



ambulatory care, acute care hospitals, long-term care facilities, hospices and schools, among others. In addition, the baccalaureate degree in nursing prepares graduates to continue education on a graduate level.

The nursing courses in the curriculum of the College of Nursing are organized on the basis of Dorothea Orem's self-care theory of nursing. In the freshman and sophomore years the curriculum is designed to include courses in the behavioral, psychosocial and physical sciences which provide a sound base for the nursing curriculum in the junior and senior years. In the first semester of the junior year (Level I) the nursing major is designed to provide a theoretical foundation upon which other nursing courses may build and to provide the student with the opportunity to develop skills in using the nursing process to deliver nursing care to well individuals and those with minimal health deviations throughout the life span. In the second semester of the junior year and the first semester of the senior year (Level II) the focus is broadened to consider the individual client in family and community settings, the variety of nursing systems and their determinants and the self-care demands of persons in healthy or health deviation states. The last semester (Level III) gives the student the opportunity to deal with the full range of clients, the full implementation of the nursing role in any nursing system and the full variety of self-care demands.

The program of study is open to qualified high school graduates, junior and senior college graduates, transfer graduates from other colleges and graduates of diploma and associate degree programs in nursing.

The College of Nursing also offers an N.L.N.-accredited graduate program in nursing.

Gamma Nu Chapter of the national nursing honor society, Sigma Theta Tau, received its charter at formal induction ceremonies on April 7, 1978.

### **Admission Requirements**

In addition to the general University requirements for admission, the College of Nursing requires that the applicant

complete one unit in biology and one unit in chemistry.

### **Health Examination**

Students are not eligible to participate in clinical nursing experiences unless annual health requirements are met. The Health Examination Form, giving specific requirements, is available from the College of Nursing.

### **Liability Insurance**

Students taking clinical nursing courses must be covered by liability insurance. Application forms and additional information can be obtained from the office of the College of Nursing.

### **CPR Certification**

Clinical agencies are now requiring that all students before going into clinical must be CPR certified. As a result of this requirement, students are advised to register for a CPR course. Certification information may be obtained from the American Heart Association.

### **Uniform and Equipment Policy**

A uniform and equipment policy for clinical practice is in effect in the College of Nursing. Appropriate attire is included in this policy, which must be adhered to by students of professional nursing.

### **Course Identification**

The course numbering system used throughout the University is described on page 20. In addition to courses designed for students in nursing, the College of Nursing offers courses open to all University students. These courses are identified by the prefix IDNS.

### **Special Program for Registered Nurses**

Registered nurses receive credit for baccalaureate equivalent knowledge by successful completion of the Nursing Mobility Profile II Examination (National League for Nursing). A total of 32 credits will be granted when all examinations are passed at the 45th percentile or higher. The B.S.N. curriculum requires 26 nursing credits and is based upon the knowledge validated through the N.L.N. exams.

R.N. students are required to complete the following courses:

- NUTH 3111 Research in Nursing
- NUTH 3112 Gerontological Nursing\*
- NURN 3223 Introduction to Professional Nursing Practice
- NURN 3227 Role Enactment in Professional Nursing Practice
- NUTH 4115 Community Health Nursing
- NUTH 4114 Leadership, Management and Trends in Nursing
- NURN 4214 Senior Practicum

They do not need to complete any other nursing courses for the completion of the baccalaureate degree.

Credits from other colleges for non-nursing courses will be accepted according to University policies.

For further information contact the College of Nursing.

\*Challenge exam available

Note: The program for registered nurse students is currently under revision. A new curriculum will be implemented in fall 1991.

### Requirements for Progression

To enroll in the first clinical nursing course, students must have a minimum of a 2.0 cumulative average and at least a C in the following biology and chemistry courses: BIOL 1102, BIOL 1103, CHEM 1101, CHEM 1102 and BIOL 2111. To enter later clinical nursing courses, students must maintain at least a 2.0 cumulative average and meet specific course prerequisites. Additionally, students must complete all courses in one level in order to proceed to the next level.

Any student who achieves less than a C grade in theory or clinical nursing courses must repeat the course. Students also will be expected to exhibit personality and emotional characteristics consistent with a developing professional nurse role. If, after consultation and work with approved counselors, students do not meet these criteria to the satisfaction of their professors, they will not be permitted to continue the nursing program.

Retention and progression in the nursing program is also determined by the student's ability to meet successfully the requirements identified in the policy statements entitled "Academic Standards for the College of Nursing."

Students are placed on warning, probation, suspension or dismissed following a review process for failing to meet the academic standards stated in the policy.

### Degree Requirements

To attain the Bachelor of Science degree in the College of Nursing, all students must satisfactorily complete the general liberal arts and professional requirements and free electives to total 130 credits. In addition students must successfully complete a standardized nursing test selected by the College of Nursing within its discretion. Professional requirements include 59 credits in nursing with 71 credits in liberal arts and biological and social sciences. The four-year program is planned by the student in consultation with a faculty adviser.

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## Curriculum

### Level I

#### Freshman Fall Semester

	Credits
Free Elective	3
History Elective	3
ENGL 1201	3
PSYC 1101	3
MATH 1101	3

**Freshman Spring Semester**

BIOL 1102	Human Anatomy & Physiology I	4
CHEM 1101	Elements of Chemistry I	4
ENGL 1202	College English II	3
PSYC 2212	Developmental Psychology	3
	Religious Studies	3

**Sophomore Fall Semester**

BIOL 1103	Human Anatomy & Physiology II	4
CHEM 1102	Chemistry	4
	Logic	3
	Computer Science Elective	3
	Elective Literature	3

**Sophomore Spring Semester**

	Free elective	3
BIOL 2111	Microbiology	4
SOCI 1101	Principles of Sociology	3
IDNS 3000	Ethics	3
	Group Dynamics	3

**Junior Fall Semester**

NUCL 3216	Clinical I	4
NUTH 3112	Gerontological Nursing	3
NUTH 3113	Pathophysiology	3
NUTH 3116	Pharmacological Therapy	2
NUTH 3120	Nursing Process	5

**Level II****Junior Spring Semester**

NUCL 3217	Clinical II	6
NUTH 3111	Research in Nursing	3
NUTH 3117	Dimensions of Adult Nursing	4
NUTH 3118	Dimensions of Psycho-social Nursing	3

**Level II****Senior Fall Semester**

NUCL 4212	Clinical III	6
NUTH 4112	Dimensions of Nursing: Childbearing	3
NUTH 4113	Dimensions of Nursing: Childrearing	3
NUTH 4115	Community Health Nursing	3
NUTH 4116	Legal Aspects of Nursing	2

**Level III****Senior Spring Semester**

NUCL 4213	Clinical IV	6
	PO-Econ.; Pub. Policy/Govern. Elec.	3
	Free Elective	3
NUTH 4114	Leadership, Management and Trends in Nursing	3

**Cooperating Community Agencies**

Students obtain their clinical experience in a variety of settings. There are more than 100 hospitals, nursing homes and community health agencies which cooperate with the College of Nursing.

## Course Descriptions

All nursing courses are offered only once a year.

### **NURN 3223 INTRODUCTION TO PROFESSIONAL NURSING PRACTICE**

Prerequisites: BIOL 1102, 1103; R.N. licensure or licensure eligibility

Introduces RN student to nursing theories in general, with a focus on Orem's self-care deficit theory in particular. Interrelationship between nursing theory, practice, education and research. Major issues related to health care delivery in general and nursing in particular are presented. Focus on the nursing process; emphasis on assessing the self-care agency of clients and families in the home, community and primary health care settings. Client population includes children, adults, and the aged within the family framework. Comprehensive health assessments, including the analysis of the data gathered and the determination of nursing diagnoses. Laboratory practice at the college. 5 credits

### **NUTH 3111 RESEARCH IN NURSING**

Prerequisites: completion of Level I, MATH 1101

Introduction to nursing research process. Application skills necessary to read, interpret, evaluate and critically analyze nursing research studies in view of their use in nursing practice. 3 credits

### **NUTH 3112 GERONTOLOGICAL NURSING**

Prerequisites: none

Focuses on the aging process from both biological and social perspectives. Patterns of normal aging as well as common pathological conditions and health problems faced by the elderly. Health promotion, health maintenance and restorative nursing as well as adaptations in self-care required as a result of age-related changes and chronic illness. 3 credits

### **NUTH 3113 PATHOPHYSIOLOGY**

Corequisite: NUTH 3119

Human responses to internal and external stresses that result in physiological alterations with potential or actual deficits in the ability to give self care. 3 credits

### **NUTH 3116 PHARMACOLOGICAL THERAPY**

Prerequisites: none

Pharmacological therapy and the role of the nurse in administering medications safely. Categories of drugs, including prototypes, related to each universal self-care requisite. Emphasis on developing ability to accurately calculate medication dosages and developing the knowledge base necessary to care for clients receiving medication therapy. 2 credits

### **NUTH 3117 DIMENSIONS OF ADULT NURSING**

Prerequisites: completion of Level I, Corequisites, NUTH 3111, NUTH 3118, NUCL 3217

Emphasis on maximizing the self-care potential of the adult client with varied acute and chronic health deviations. Client as an indi-

vidual, family member and a member of the community. Case study method provides framework for design of nursing systems appropriate to the client. 4 credits

### **NUTH 3118 DIMENSIONS OF PSYCHOSOCIAL NURSING**

Prerequisites: completion of Level I, Corequisites: NUTH 3111, NUTH 3117, NUCL 3217

Application of learned behavioral concepts and principles of communication to acquire an understanding of psychodynamic theories of behavior. Focus on the individual client as a member of a family and other selected social systems. Principles of dealing with groups as client systems within the framework of primary, secondary and tertiary levels of prevention. Expansion of previously acquired nursing process skills to design systems of care for clients with varied psychosocial self-care deficits. 3 credits

### **NUTH 3120 NURSING PROCESS**

Corequisites: NUTH 3113, NUCL 3216

Introduction to providing comprehensive nursing care to well individuals and those with minimal health deviations throughout the life span. Course content, teaching strategies and learning experiences provide the theoretical foundation for other nursing courses. Develops skills in critical thinking, problem solving, teaching, counseling, communicating and relating therapeutically to others. 5 credits

### **NUCL 3216 CLINICAL I**

Corequisites: NUTH 3113, NUTH 3119

Introduction to clinical nursing; how to use the nursing process to provide care to well individuals and those with minimal health deviations throughout the life span and to provide a base for other clinical nursing courses. 4 credits

### **NUCL 3217 CLINICAL II**

Prerequisites: completion of Level I, Corequisites: NUTH 3111, NUTH 3117, NUTH 3118

Designing supportive educative, partially and wholly compensatory nursing systems for the client as a member of a family within the larger community. Emphasis on utilizing the nursing process to meet the health deviations of individuals/families/groups with varied acute and chronic, physical and psychosocial health problems. Application of the nursing process to clients in acute care institutions, long term care facilities, the home and selected community settings. 6 credits

### **NURN 3227 ROLE ENACTMENT IN PROFESSIONAL NURSING PRACTICE**

Prerequisite: completion of Level I, NURN 3223 and successful completion of N.L.N. Nursing Mobility Profile II examinations. Prerequisite or corequisite: NUTH 3111

Assists R.N. students in actualizing the role of the professional nurse. Focus on designing a supportive-educative, partially and wholly

compensatory nursing system for the individual, family and community. Utilizes nursing process in health promotion and health deviations for individuals/families/groups with varied acute, chronic and terminal physical or psychosocial health problems. Opportunities for clinical practice include a variety of acute, chronic and community/home settings for clients at varying positions along the health-illness continuum. 6 credits

**NURN 4112 DIMENSIONS OF NURSING:  
THE CHILDBEARING FAMILY**

Prerequisites: successful completion of junior year

Corequisites: NUTH 4113, NUTH 4115, NUTH 4116, NUCL 4212

Through utilization of the nursing process, focuses on the design of supportive-developmental, supportive-educative and partially compensatory systems of care for the childbearing family. Students achieve short- and long-term goals to maintain assets or alleviate deficits experienced by the family. 3 credits

**NUTH 4113 DIMENSIONS OF NURSING:  
THE CHILDREARING FAMILY**

Prerequisites: successful completion of junior year

Corequisites: NUTH 4113, NUTH 4115, NUTH 4116, NUCL 4212

Focuses on the design and implementation of supportive-developmental, supportive-educative and partially compensatory systems of care for families engaged in childrearing, from infancy through adolescence. Students design systems of care to achieve both short- and long-term goals to maintain assets or alleviate deficits experienced by the family. 3 credits

**NUTH 4114 LEADERSHIP,  
MANAGEMENT AND TRENDS IN  
NURSING**

Prerequisites: successful completion of Levels I and II

Corequisite: NUCL 4213

Translation and integration of knowledge and skills derived from management into professional nursing practice. Examines dimensions of the system. Analyzes specific issues and trends in health care delivery from a nursing and management perspective. Considers global aspect of nursing leadership and nursing's impact on the health care delivery system. Compares management and change as processes that fit nursing and are incorporated within a self-care framework. 3 credits

**NUTH 4115 COMMUNITY HEALTH  
NURSING**

Prerequisites: successful completion of junior year

Corequisites: NUTH 4112, NUTH 4113, NUTH 4116, NUCL 4212

Basic concepts of public health science and community health employed to identify actual and potential health problems in individuals, groups and communities. Focus on community based health care, scope of practice of health care professionals and the organizations of health care delivery systems. Analysis of community with attention to the

health care system and the role of the community health nurse. 3 credits

**NUTH 4116 LEGAL ASPECTS OF  
NURSING**

Prerequisites: successful completion of junior year

Corequisites: NUTH 4112, NUTH 4113, NUTH 4115, NUCL 4212

Encompasses the rights, privileges and obligations of nurses in their relationship to each other, their employers, their patients and all providers of health care. How a democratic representative society operates, and how it can be used and changed for the welfare of those whom it is designed to serve. 2 credits

**NUCL 4212 CLINICAL III**

Prerequisites: successful completion of junior year

Corequisites: NUTH 4112, NUTH 4113, NUTH 4115, NUTH 4116

Design and implementation of supportive-developmental, supportive-educative and partially compensatory systems of care for childbearing and childrearing families. Students design short and long term systems of care to maintain assets or alleviate deficits experienced by the family. Integrated seminars held by faculty teaching the childbearing and childrearing family. First third of course: integrated clinical experiences conducted in the multi-purpose lab and selected community experiences. Remainder: students assigned to acute and long term experiences. 6 credits

**NUCL 4213 CLINICAL IV**

Prerequisites: successful completion of Level II, NUTH 4114, prerequisite or corequisite

Provides opportunity to experience a transition to the graduate role in clinical settings of students' choice. Professional nurse/client relationships initiated and maintained by each student with faculty collaboration and guidance. Synthesis and application of theoretical and empirical knowledge to meet clients' needs. Application of concepts of management and leadership and increase their skills in independent nursing judgment. Considers the need for referrals and use of intradisciplinary and interdisciplinary resources. Emphasis on self-evaluation and client evaluation. 6 credits

**NURN 4214 SENIOR PRACTICUM**

Prerequisites: successful completion of Level II, NUTH 4114, prerequisite or corequisite

The focus of this course is on increasing independence in nursing practice. Professional nurse/client relationships are initiated and maintained by the student with faculty collaboration and guidance. Previously acquired information, theoretical and empirical, is synthesized and applied within the self-care framework according to clients' needs. Students apply concepts of management and leadership and increase their skills in independent nursing judgment. Students recognize the need for referrals and utilize intradisciplinary and interdisciplinary resources. Emphasis is placed on self-evaluation and client evaluation to measure the efficacy of nursing action. 3 credits

**NUTH 1991, 1994 INDEPENDENT STUDY  
IN NURSING**

Prerequisite: completion of the junior year nursing courses

Opportunity for selected seniors to study an area or problem in nursing in greater depth and to develop the ability for self-directed learning.

NUTH 1992 1 credit  
NUTH 1993 2 credits  
NUTH 1994 3 credits

**IDNS 3000 GROUP DYNAMICS**

Prerequisites: none

The focus of this course is on the development of leadership skills and the identification of the characteristics of functional and nonfunctional group member roles. Principles of deal-

ing with small groups in a variety of sociocultural settings are examined. 3 credits

**IDNS 3003 CONTEMPORARY LIFESTYLES  
AND HEALTH**

Prerequisites: none

Designed to enhance the intellectual, personal and spiritual development of the University student. An exploration of the inter-relatedness of mind, body and spirit of the individual as well as understanding the new roles and responsibilities to family, friends and society will form the basis for study. Academic achievement, healthy life style, cultural enrichment, financial management, interpersonal relationships, substance abuse and emotional problems common to the maturing young adult are examined. 3 credits



## **UNIVERSITY COLLEGE**

(Continuing Education)

**Assistant Provost:** Jane S. Norton

**Coordinator:** William A. Smith

**Director of Continuing Education:**  
Jane H. Degnan

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Seton Hall University, through University College, has been a pioneer in providing opportunities for adult students who

- are interested in evening and/or part-time degree programs;
- want to broaden professional knowledge, gain certification to advance in employment; and
- want to take courses for intellectual growth.

### **Credit Programs**

A number of academic programs and projects are coordinated by University College. They include Wintersession, Summer Session, Seton Saturdays, Project Acceleration, programs for state and municipal police and selected off-campus courses.

University College, in cooperation with the other schools and colleges of Seton Hall University, provides information to adult students about evening and part-time degree programs in many dis-

ciplines from each of the schools and colleges. University College does not grant degrees. Contact University College for further details.

### **Non-Credit Programs**

University College designs and develops a wide range of seminars and programs to meet community needs and to address issues of concern in today's technological environment. These programs are not for academic credit, but may grant continuing education units (CEU's). Certificate programs and programs for professional designations include the Insurance Institute and Continuing Professional Education for Public Accountants. Professional programs are offered to business and industry, associations and community and governmental agencies with the objectives of improving existing skills and imparting the newest techniques for effective decision making.

### **The Honor Society**

Adult and part-time evening students who distinguish themselves in their academic work are eligible for induction into Alpha Sigma Lambda, the national honor society for part-time students. The Seton Hall Chapter is Alpha Epsilon. Information about qualifications, eligibility and chapter activities may be obtained from University College or the academic advising office in the College of Arts and Sciences.

## MILITARY SCIENCE RESERVE OFFICER'S TRAINING CORPS

**Professor:** Bighia

**Assistant Professors:** Cendrowski,  
Smith; Spies

**Instructors:** Hairston; Hills; Matthews;  
Springer

The Department of Military Science offers a variety of courses open to all University students. Most courses are accepted as electives, or a student can follow a prescribed curriculum toward a commission in the U.S. Army. The courses aid students by providing leadership and management experience; providing opportunity for a military career in the Active Army or a Reserve Component; developing self-discipline, physical stamina and poise; enhancing development of management skills; developing qualities basic to success in any career; and providing academic credit for course completion.

The ROTC Program awards scholarships on a competitive basis to outstanding young men and women who are interested in the Army as a career. The scholarships provide \$7000 or 80 percent of tuition, (whichever is greater), textbook allowances, lab fees and monetary allowance of \$100 each month,, for up to 10 months of each school year the award is in effect. Army ROTC scholarships are offered for four, three and two years. The four-year and three-year scholarships are awarded on a worldwide competitive basis to U.S. citizens. Two-year nursing scholarships are available to nursing students who enrolled in or are eligible for advanced placement in ROTC, including those who are cross-enrolled at nearby colleges and universities. All scholarship students are required to take one semester of a foreign language. Scholarship inquiries should be directed to the Department of Military Science.

The Military Science Department

offers a traditional four-year program of instruction consisting of a Basic Course and an Advanced Course, and a two-year program that requires only the Advanced Course.

**The Two-Year Program** is designed for sophomores who have not taken ROTC or students entering a two-year postgraduate program of any kind. Students eligible for advanced placement may complete requirements for their commission in two years. Students in the two-year program receive the same financial assistance as other Advanced Course students. Applicants must successfully complete six weeks of leadership instruction at a Basic Camp to qualify for the two-year program. Cadets receive pay, plus other benefits, while attending the camp and can also compete for a two-year ROTC scholarship. Information can be received from the Department of Military Science.

**The Four-Year Program** of Instruction consists of a two-year Basic Course and a two-year Advanced Course of Instruction.

All students formally enrolled in the program are required to complete five undergraduate courses in designated fields of study known as the professional military education component. Cadets must take a course in written communication, military history, human behavior, computer literacy and math reasoning.

The following courses at Seton Hall will fulfill these requirements: written communication — ENGL 1201 or 1202; human behavior — PSYC 1105 or 2211; military history — ROTC 1114/HIST 2386; computer literacy — CSAS or STST courses. Students are encouraged, but not required, to take a course in management or national security. Approved alternate courses may be substituted for any of these requirements.

**Basic Course Policies.** The Basic Course is normally taken during the freshman and sophomore years. Course work covers the areas of management principles, national defense, military courtesy and customs, map reading and rifle marksmanship techniques. The Basic Course imposes no obligation on the part of students. The Basic Course requirements may be waived by the Pro-



fessor of Military Science for those students who have had Junior ROTC, active duty experience, Reserve or National Guard duty or have completed the ROTC Basic Camp.

All students must take ROTC 1112 Map Reading and Land Navigation Techniques, ROTC 1114 American Military History and ROTC 1111 Introduction to the U.S. Army, unless the advanced placement student can demonstrate the skills required to pass these courses.

**Advanced Course Policies.** The Advanced Course is limited to cadets who have demonstrated potential for becoming Army officers and meet Army physical standards. Instruction is provided in advanced leadership development, organization, management, tactics and administration. Cadets are paid \$100 a month while they are in school (for up to 20 months).

Advanced Course cadets must attend a six-week Advancement Camp, normally between their junior and senior years of college. This camp permits cadets to put into practice the principles and theories

they have acquired from on-campus classroom instruction. Cadets receive pay for this camp, plus travel expenses, room and board, medical and dental care and other benefits.

Satisfactory completion of the Advanced Course of study consists of the four military science courses described herein. These courses are normally taken on the basis of one course per semester, and students cannot complete the course in less than a two-year period. Students are also required to attend Leadership Laboratory once a week. Some weekend training is required for selected courses.

**Cross-Enrollment.** The Department of Military Science offers students attending nearby colleges and universities the opportunity to participate in ROTC through a cross-enrollment program. Under this program, students continue their college careers at their schools and commute to Seton Hall University to participate in ROTC. Questions should be directed to the Department of Military Science. Phone (201) 761-9446.

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## **Commissioning Requirements Basic Course**

### **Freshman Options**

ROTC 1111/0111 Introduction to the U.S Army and ROTC  
ROTC 1112/0112 Map Reading and Land Navigation

### **Sophomore Options**

ROTC 1211/0211 Fundamentals of Leadership and Management  
ROTC 1212/0212 Leadership Practicum

### **Substitute/Additional Courses**

ROTC 1114/0114 (HIST 2386) American Military History\*

## **Advanced Courses**

### **Junior**

ROTC 2311/0311 Theory and Dynamics of Military Leadership  
ROTC 3312/0312 U.S. Military Tactics and Operations

### **Senior**

ROTC 4411/0411 National Security Management Seminar\*\*  
ROTC 5412/0412 Seminar in U.S. Military Leadership, Ethics and Management

\*Denotes professional military education requirement.

\*\*Denotes professional military education recommended course.

**Basic Course**

**ROTC 1111/0111 (MI 100)  
INTRODUCTION TO THE U.S. ARMY  
AND THE ROTC**

Corequisite: Leadership Laboratory  
U.S. Army history, organization and role in national defense. Introduction to basic military traditions, customs, life styles and functions. Review of the duties and privileges of the second lieutenant as a U.S. Army Officer.  
1 credit

**ROTC 1112/0112 (MI 30) MAP READING  
AND LAND NAVIGATION**

Corequisite: Leadership Laboratory; ROTC 0514  
Introduction to topographic map reading and land navigation techniques. Use of the compass and protractor to determine location, direction and distance.  
2 credits

**ROTC 1114/0114 (MI 160) AMERICAN  
MILITARY HISTORY**

Study of the development of American military institutions, policies, experiences and traditions in peace and war from colonial times to the present. Emphasis on the relationship between the military and other aspects of American society. Role of the military in the establishment, expansion, preservation, development of the nation. Includes a one-day visit to historical site.  
3 credits

**ROTC 1211/0211 (MI 110)  
FUNDAMENTALS OF LEADERSHIP AND  
MANAGEMENT**

Corequisite: Leadership Laboratory  
Theory, methods and principles for understanding leadership and behavior in groups; the impact of the leader's behavior on the leadership process; and introduction to counseling as a leadership concept.  
2 credits

**ROTC 1212/0212 (MI 120) LEADERSHIP  
PRACTICUM**

Corequisite: Leadership Laboratory  
Practical leadership assessment program which gives students the opportunity to identify and improve personal leadership styles. Multiple behavioral simulations elicit behavior which is assessed and evaluated. Requirements similar to those of a second lieutenant or junior executive are placed upon students in a controlled environment.  
2 credits

**Advanced Course**

**ROTC 2311/0311 (MI 210) THEORY AND  
DYNAMICS OF MILITARY LEADERSHIP**

Corequisites: Leadership Laboratory; ROTC 0518  
Analysis and discussion of the role of the leader, group influences and situational demands within a military context. Practical applications of leadership skills with emphasis on land navigation, planning sequence, written and oral orders. Small unit operations and physical training leadership review.  
3 credits

**ROTC 3312/0312 (MI 220) U.S. MILITARY  
TACTICS AND OPERATIONS**

Corequisites: Leadership Laboratory; ROTC 0518  
Analysis of the leader's role in directing and coordinating the efforts of individuals and small units in the execution of tactical missions to include map reading, communications, operational orders and support systems. Introduction to advanced camp procedures.  
3 credits

**ROTC 4411/0411 (MI 250) NATIONAL  
SECURITY MANAGEMENT**

Corequisite: Leadership Laboratory; ROTC 0518  
Survey of the broad spectrum of how the military establishment relates to national resources and their relationship to the development of national power, national elements, including geography, population, economic and military forces, intangible elements of social organizations, ideology and political systems.  
3 credits

**ROTC 5412/0412 (MI 260) SEMINAR IN  
U.S. MILITARY LEADERSHIP, ETHICS,  
AND MANAGEMENT**

Corequisite: Leadership Laboratory; ROTC 0518  
The Uniform Code of Military Justice, the military as an institution and a way of life, ethics of leadership and management problems of the military service in light of the contemporary world scene. Practical aspects of transition from student to military officer are integrated in all aspects of the discussion.  
3 credits

**Credit-Free Courses and  
Corequisites**

**ROTC 0011 (MI 10) LEADERSHIP  
LABORATORY**

Corequisite for all ROTC cadets  
Orientation on the basic skills of small unit leaders, emphasizing a working knowledge of drill, map reading, weapons and techniques of military instruction. Emphasis is placed on the students' capabilities to plan and conduct military training. All training is conducted by student leaders in a military setting.



## UNIVERSITY BUILDINGS

**Alfieri Hall**, completed in 1984, contains the University's Media Center, the Writing Center and offices of the Educational Opportunity Program.

**Alumni Hall**. The 25th anniversary gift of the alumni, who raised the \$15,000 needed to construct the building in 1881, Alumni Hall houses the chapel for the seminary.

**Art Center**. Originally a red-brick carriage house and now a registered national landmark, this Victorian building has been preserved and renovated and was officially dedicated in May 1974 as the University's art center. It houses an art gallery, studios, classrooms and offices of the Department of Art and Music.

**Bayley Hall**. Erected in 1913 and named for Bishop James Roosevelt Bayley, first Bishop of Newark and nephew of Saint Elizabeth Ann Seton, Bayley Hall is used for business and administrative purposes such as the bur-sar's and registrar's offices.

**Robert E. Brennan Recreation Center and Walsh Gymnasium**. A student-oriented, multi-purpose facility that serves the recreation, physical education and intercollegiate needs of the University community, the Robert E. Brennan Recreation Center contains the Matilda

Solimine field house, an eight-lane, 25-yard pool, a fitness/weight training room, a dance studio, racquetball courts, saunas and locker rooms. Adjacent to the recreation center, Walsh Gymnasium, a 3400 seat arena built in 1939 and named for Newark Archbishop Thomas Walsh, is the site of practice and competition for many intercollegiate teams. Outdoor facilities include Owen T. Carroll Field and Ivy Hill Park, 19 acres of practice and intramural fields adjacent to the campus.

**Chapel of the Immaculate Conception**. The Chapel of the Immaculate Conception has been the center of campus religious life since 1863 and observes its 125th anniversary in 1988-1989. Open every day, the chapel serves as a place of meditation and prayer for all members of the University community. Several masses are offered on weekdays and on Sundays.

**Corrigan Hall**. Named after Bishop Michael A. Corrigan and Reverend James H. Corrigan, brothers who served as second and third presidents of Seton Hall, this building contains offices, the facilities of Computing Services and classrooms.

**Duffy Hall**. Completed in 1948, Duffy Hall housed Seton Hall Preparatory School until 1985. Classrooms, offices, the bookstore, archives, The Center for Public Service and the Residence Life Office are located in this building.

**Bishop Dougherty Student Center**. Named for Bishop John J. Dougherty, president of Seton Hall from 1960 through 1970, the Student Center contains meeting rooms, dining areas, lounges, an art gallery, the Theatre-in-the-round, a student pub and a recreational complex. It houses the offices of student publications and student government and the directors of student life and student activities.

**Fahy Hall**. The Humanities Building, opened in 1968, houses many departments of the College of Arts and Sciences. In addition to classrooms and faculty offices, it contains communication and language laboratories, a television studio and the University museum.

**Lewis Hall/The Immaculate Conception Seminary and School of Theology** was completed in 1984. Classrooms, faculty and student residences, a dining hall, lounges and the Seminary library are housed in this building.

**McLaughlin Library.** Constructed in 1953, the University's central library commemorates Bishop Thomas H. McLaughlin, ninth president of Seton Hall. The Library houses most of the University library resources and services for the South Orange campus.

**McNulty Hall.** The Departments of Biology, Chemistry and Physics are located in McNulty Hall, named in honor of Monsignor John Laurence McNulty, president during the University's post-World War II expansion years. This building contains classrooms, teaching and research facilities, faculty offices and an amphitheater.

**McQuaid Hall.** Named after Bernard McQuaid, first president of Seton Hall, this building was constructed in the early 1900s. It now serves as offices for the College of Education and Human Services, and the Department of Psychology.

**Mooney Hall,** named for Monsignor Mooney, president of Seton Hall from 1907 to 1922, the building houses Freshman Studies, Archaeology Studies, Military Science, Campus Security, Parking, the Print Shop, classrooms and offices.

**Presidents Hall.** Visually the "center-piece" of the campus, Presidents Hall dates back to 1867. It houses administrative offices, including that of the Chancellor.

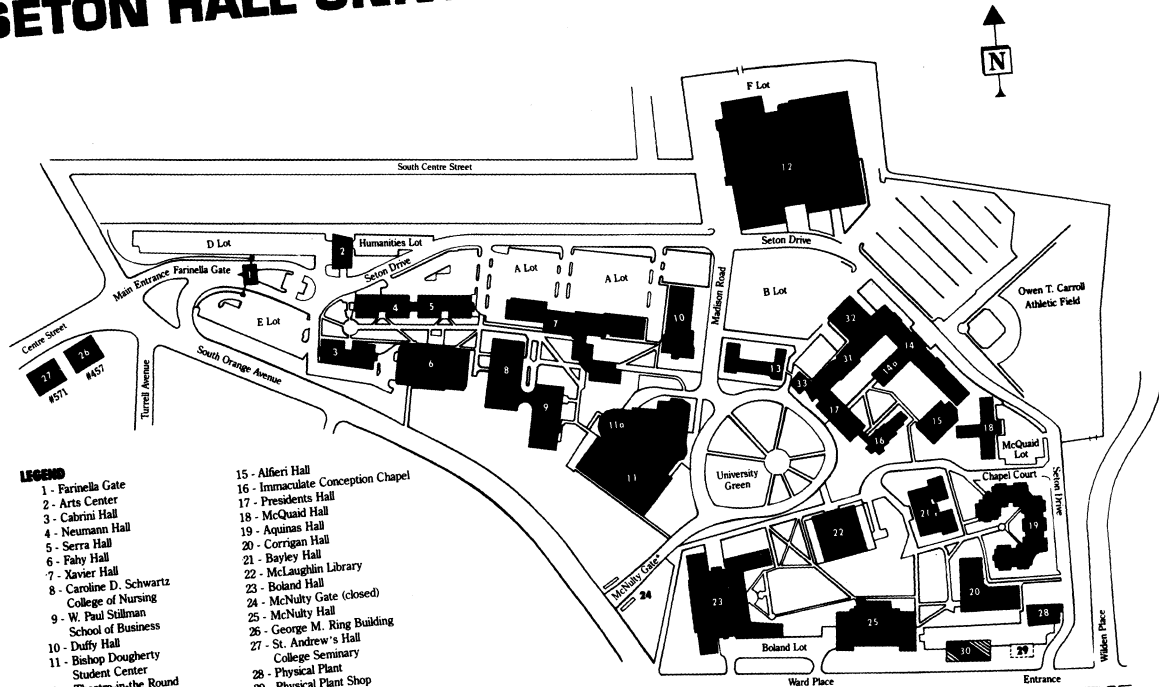
**Residence Halls.** Seton Hall has housing capacity for over 2000 students. The residences include Cabrini, Neumann, Serra, Xavier, Aquinas, North and South Boland Halls, and St. Andrew's.

**The George M. Ring Building.** Located at 457 Centre Street, this building houses the offices of Alumni Relations, Public Relations, Publications, Advancement and Grant Development.

**Caroline D. Schwartz College of Nursing Building.** Opened in 1973 and named after the first dean of the College of Nursing, this building contains innovative teaching equipment, including a multi-purpose practice demonstration room, a lecture hall, an audio-visual equipment area, a computer room, a reading room, classrooms and offices for faculty and administration.

**W. Paul Stillman School of Business Building.** Named for a benefactor and opened in 1973, the business school building houses lecture halls, seminar rooms, conference rooms, classrooms, offices for faculty, administrative personnel and a computer laboratory.

# SETON HALL UNIVERSITY CAMPUS



**LEGEND**

- 1 - Farnella Gate
- 2 - Arts Center
- 3 - Cabrini Hall
- 4 - Neumann Hall
- 5 - Serra Hall
- 6 - Fahy Hall
- 7 - Xavier Hall
- 8 - Caroline D. Schwartz College of Nursing
- 9 - W. Paul Stillman School of Business
- 10 - Duffy Hall
- 11 - Bishop Dougherty Student Center
- 11a - Theatre-in-the-Round
- 12 - Brennan Recreation Center
- 13 - Mooney Hall
- 14 - Lewis Hall/Immaculate Conception Seminary
- 14a - Alumni Hall
- 15 - Alfieri Hall
- 16 - Immaculate Conception Chapel
- 17 - Presidents Hall
- 18 - McQuaid Hall
- 19 - Aquinas Hall
- 20 - Corrigan Hall
- 21 - Bayley Hall
- 22 - McLaughlin Library
- 23 - Boland Hall
- 24 - McNulty Gate (closed)
- 25 - McNulty Hall
- 26 - George M. Ring Building
- 27 - St. Andrew's Hall College Seminary
- 28 - Physical Plant
- 29 - Physical Plant Shop
- 30 - Gerety Hall
- 31 - Stafford Hall
- 32 - Power Plant
- 33 - Marshall Hall

\*(for emergency use only)

**Seton Hall University  
School of Law  
1111 Raymond Boulevard  
Newark**

# UNIVERSITY DIRECTORY

Mailing address:

**Seton Hall University**  
400 South Orange Avenue  
South Orange, New Jersey 07079  
761-9000

**Academic Affairs**

Presidents Hall  
761-9359  
*Assistant Provost: Monsignor Robert Sheeran*

**Academic Services**

Bayley Hall  
761-9363  
*Assistant Provost: Jane S. Norton*

**Admissions**

Bayley Hall  
761-9332  
Out of State: 1-800-The Hall  
*Dean: Patricia Burgh*

**Affirmative Action**

Presidents Hall  
761-9212  
*Director: Frank Morales*

**Alumni Relations**

George M. Ring Building  
378-9822  
*Director: Daniel Murray*

**Archives**

Duffy Hall  
761-9476  
*Director: Monsignor William Field*

**Arts and Sciences, College of**

Fahy Hall  
761-9022  
*Dean: Jerry A. Hirsch*

**Athletics and Recreational Services**

Brennan Recreation Center  
761-9497  
*Director: Larry Keating*

**Bursar, Office of the**

Bayley Hall  
761-9325  
*Bursar: Robert N. Magovern*

**Business and Auxiliary Services**

Presidents Hall  
761-9002  
*Director: Bruce Kinter*

**Business, W. Paul Stillman School of**

W. Paul Stillman Building  
761-9013  
*Dean: Frederick J. Kelly*

**Campus Ministry**

Boland Hall  
761-9545  
*Director: Reverend Eugene Koch*

**Campus Tours**

Bayley Hall  
761-9332  
*Dean: Patricia Burgh*

**Career Services**

Bayley Hall  
761-9355  
*Director: Christopher G. L. Pratt*

**Center for Computing and Information Services**

Corrigan Hall  
761-9400  
*Director: James P. Kennelly*

**Chancellor, Office of the**

Presidents Hall  
761-9630  
*Chancellor: Very Reverend Thomas R. Peterson O.P.*  
*Assistant to the Chancellor/Director of Board Affairs: Brother Benedict A. LoBalbo*  
*Assistant to the Chancellor/Minister to the Priest Community: Reverend John F. Morley*  
*University Counsel: Catherine A. Kieran, Esq.*

**Code of Conduct and Orientation**

Student Center  
761-9075  
*Dean of Students: Gregory Mikalauskas*

**College Seminary**

Corrigan Hall  
761-9420  
*Rector: Monsignor John E. Doran*

**Continuing Education**

Bayley Hall  
761-9430  
*Director: Jane H. Degnan*

**Cooperative Education**

Bayley Hall  
761-9355  
*Director: Christopher G. L. Pratt*

**Counseling Center**

Mooney Hall  
761-9500  
*Director: Sister Catherine Waters*

**Education and Human Services, College of**

McQuaid Hall  
761-9025  
*Acting Dean: Joseph M. Stetar*

**Educational Opportunity Program**

Alfieri Hall  
761-9161  
*Director: Carol McMillan-Lonesome*

**Executive Vice Chancellor,**

**Office of**  
Presidents Hall  
761-9011  
*Executive Vice Chancellor: James O. Allison*

**Financial Aid**

Bayley Hall  
761-9350  
*Director: Michael A. Menendez*

**Finance**

Bayley Hall  
761-9318  
*Controller: Edward Milko*

**Graduate Medical Education, School of**

Presidents Hall  
761-9213  
*Dean: Nicholas D. DeProspro*

**Grants and Research Service, Office of**  
George M. Ring Building  
378-9806  
*Director: Robert C. Hallissey*

**Health Services**  
Boland Hall  
761-9175  
*Director: Ellen Seuffert*

**Housing and Residence Life**  
Duffy Hall  
761-9172  
*Director: Kathleen Simons*

**Human Resources, Department of**  
Stafford Hall  
761-9177  
*Director: Jack A. Puleo*

**Institutional Research**  
Presidents Hall  
761-9205  
*Director: Reverend Robert Nestor*

**International Programs, Office of**  
Student Center  
761-9081  
*Director: Patrick J. Kennedy*

**Law, School of**  
1111 Raymond Boulevard  
Newark, New Jersey 07102  
642-8747 (Admissions)  
*Dean: Ronald J. Riccio*

**Library**  
McLaughlin Library Building  
761-9431  
*Dean: Robert A. Jones*

**Immaculate Conception Library**  
642-8770  
*Director: Monsignor James C. Turro*

**Media Center**  
Alfieri Hall  
761-9554  
*Director: Ronald E.J. Myzje*

**Nursing, College of**  
Schwartz Building  
761-9014  
*Dean: Barbara A. Beeker*

**Off-Campus Housing**  
Duffy Hall  
761-9172  
*Director: Kathleen Simons*

**Parking, Public Safety and Security**  
Mooney Hall  
761-9328  
*Director: Michael D. McMahon*

**Physical Plant**  
Community House  
761-9454  
*Director: Steve Kurtyka*

**Policy and Planning, Office of**  
Presidents Hall  
761-9205  
*Associate Chancellor: Monsignor Dennis Mahon*

**Provost, Office of**  
Presidents Hall  
761-9655  
*Provost: Bernhard W. Scholz*

**Purchasing**  
Presidents Hall  
761-9183  
*Purchasing Agent: Mark Berger*

**Public Relations, Publications and Special Projects, Offices of**  
George M. Ring Building  
378-9834  
*Director: Paul K. Huegel*

**Registration**  
Bayley Hall  
761-9654  
*Registrar: Mary Ellen Farrell*

**Student Activities**  
Student Center  
761-9076  
*Dean: Gregory Mikalauskas*

**Student Affairs**  
Student Center  
761-9075  
*Vice Chancellor: Patricia P. Kuchon*

**Special Services**  
Mooney Hall  
761-9166  
*Director: Raynette Gardner*

**Summer Session**  
Bayley Hall  
761-9363

**Theology, Immaculate Conception School of**  
Lewis Hall  
761-9575  
*Rector/Dean: Reverend Robert E. Harahan*

**University Affairs, Division**  
George M. Ring Building  
378-9801  
*Vice Chancellor for University Affairs: Charles R. Dees*

**University College**  
Bayley Hall  
761-9430  
*Assistant Provost: Jane S. Norton*

**University Events**  
George M. Ring Building  
378-9833  
*Director: Paul K. Huegel*

**Wintersession**  
Bayley Hall  
761-9363

## **Officers Of The University**

**Very Revered Thomas R. Peterson O.P., S.T.D., Ph.D.**  
Chancellor

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