# Academic Calendar 1985 - 1987

## Fall Semester

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation and Registration</td>
<td>Tu-F Aug 20-30</td>
<td>Tu-F Aug 19-29</td>
</tr>
<tr>
<td>Labor Day (University closed)</td>
<td>M Sept 2</td>
<td>M Sept 1</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>W Sept 4</td>
<td>W Sept 3</td>
</tr>
<tr>
<td>Columbus Day (No classes)</td>
<td>M Oct 14</td>
<td>M Oct 13</td>
</tr>
<tr>
<td>Last Day to Withdraw</td>
<td>Tu Oct 8</td>
<td>Tu Oct 7</td>
</tr>
<tr>
<td>Last Day to Remove Incompletes for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring and Summer Sessions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mid-Semester Exam Period</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mid-Semester Grades Due</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterans Day (No classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thanksgiving Holiday (No classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(University closed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Exam Period - Day Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuing Education Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christmas Holiday (University closed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Year's Holiday (University closed)</td>
<td></td>
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</tr>
</tbody>
</table>

## Spring Semester

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Orientation and Registration</td>
<td>M-Tu Jan 6-14</td>
<td>M-Tu Jan 5-13</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Th Jan 16</td>
<td>Th Jan 15</td>
</tr>
<tr>
<td>Washington's Birthday (University closed)</td>
<td>M Feb 17</td>
<td>M Feb 16</td>
</tr>
<tr>
<td>Last Day to Withdraw</td>
<td>W Feb 19</td>
<td>W Feb 18</td>
</tr>
<tr>
<td>Last Day to Remove Incompletes for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mid-Semester Exam Period</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mid-Semester Grades Due</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring Break (No classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easter Holiday (No classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(University closed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Day of Classes - Day Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuing Education Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Exam Period - Day Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuing Education Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commencement</td>
<td></td>
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</tr>
</tbody>
</table>

## Summer Session

(See Summer Undergraduate Bulletin for Academic Calendar)

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Memorial Day (University closed)</td>
<td>M May 26</td>
<td>M May 25</td>
</tr>
<tr>
<td>Independence Day (University closed)</td>
<td>F Jul 4</td>
<td>F Jul 3</td>
</tr>
</tbody>
</table>
Sacred Heart University
Fairfield, Connecticut

Serving Southwestern Connecticut

Academic Catalog 1985 - 1987
September 1985, Volume XV
Sacred Heart University has been granted institutional accreditation by the New England Association of Schools and Colleges, one of six regional associations in the United States which accredit schools and colleges. Institutional accreditation is the means used by regional accrediting commissions to assure the educational community, the general public, and other agencies or organizations that an institution has clearly defined and appropriate educational objectives, has established conditions under which their achievements can reasonably be expected, that it is substantially achieving them now, and that it is so organized, staffed and supported that it can be expected to continue to do so in the future.

In addition to its institutional accreditation by the New England Association of Schools and Colleges, several University programs either have received specialized accreditation or approval by the State of Connecticut or have been granted specialized accreditation by the national professional organization. The Master of Arts in Teaching program is accredited by the Connecticut State Department of Higher Education; the Education program for teacher certification at the elementary and secondary levels is approved by the Connecticut State Department of Education; the Bachelor of Science in Nursing program is approved by the Connecticut State Department of Higher Education; the Bachelor of Arts or Science in Social Work program is accredited by the Council on Social Work Education; and the Legal Assistant program is approved by the American Bar Association.

The University is also approved by the Connecticut State Department of Education for the education of Veterans and their eligible dependents.

Memberships


While every effort is made to ensure the accuracy of information provided in this Catalog, Sacred Heart University reserves the right to make changes at any time without prior notice. The University provides the information in this Catalog solely for the convenience of the reader and, to the extent permissible by law, expressly disclaims any liability which may otherwise be incurred.

Sacred Heart University is committed to the concept of equal educational opportunities for all. Individuals are considered for admission to the student status, and all services, facilities, programs and activities are administered in a nondiscriminatory manner without regard to race, religion, color, sex, national or ethnic origin, age or handicap.

Sacred Heart University complies with the Family Rights and Privacy Act of 1974 which defines the rights and protects the privacy of students with regard to their educational records.

Sacred Heart University is an Equal Opportunity Employer and conforms to the regulations and policies of Affirmative Action and Title IX. The University does not discriminate in its employment practices on the basis of race, color, national or ethnic origin, religion, age, sex or handicap.
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University History & Character
University History and Character

Sacred Heart University was founded in 1963 by the Most Reverend Walter W. Curtis, Bishop of Bridgeport. He visualized an institution of higher learning, rooted in the Catholic intellectual heritage and reflecting the ecumenical thrust of post-Vatican II. The University opened its doors to people of every race, creed, handicap, national or ethnic origin located in the southwestern area of Connecticut, which it was designed to serve. The University has been unique since its inception in that it has always been staffed and administered primarily by lay people who reflect in their diversity the ecumenical vision of its founder.

The University’s mission is that of a teaching university designed for commuter students. There are no dormitories. Everyone commutes. This configuration represents one of the most basic concepts of higher education as established in the original and revered European universities. The replication of this long-established tradition is further emphasized by the University’s commitment to the intellectual development of its students within a well-defined liberal arts program. At the same time, the students are prepared to take their places in the world of useful endeavor by the acquisition of specialized information and skills appropriate to personal goals and the demands of a chosen profession.

The educational philosophy embodied in the present statement of institutional mission has remained unchanged since the University’s founding in 1963. The University also remains committed to the following statement of purpose and objectives which was first proclaimed at its founding:

Sacred Heart University derives its objectives from the philosophy of Christian education in Twentieth Century America. It exists to assist men and women to develop completely as human persons in an environment which recognizes both the supernatural and the natural. Specifically its objectives are: first, to promote the intellectual development of its students through an integrated program of liberal education with a concentration in a particular academic field; second, to foster moral and spiritual growth in a Christian atmosphere conducive to the development of a stable character, and a sense of moral responsibility to self, community, and nation; and third, to provide career preparation for business, for teaching, and for the areas in which liberal arts are applicable to the diversified needs of society. By introducing the student to the principal fields of knowledge, it seeks to help him develop his powers to know, judge, and reason, to analyze and synthesize, to discriminate, discern, and appreciate. The study and analysis of principles and skills are supplemented where appropriate by practical experience.

The academic objectives of the University are primarily pursued through associate and baccalaureate programs, with the on-campus availability of several master’s degree programs for even further specialized learning. These levels of advanced education have been established to fulfill the expressed needs of the people of Southwestern Connecticut. And to further fulfill these needs, this community of scholars is dedicated to the holistic notion that the formation of a level of self-knowledge, with individual autonomy and a deep sense of conscious purpose within society, is necessary for the actualization of the potential that exists within us all.
Educational Policies and General Regulations
Educational Policies and General Regulations

The Academic Year
The academic year consists of two 15 week semesters. In addition, there are two summer sessions. The University offers day and evening courses. The Continuing Education school year calendar runs concurrently. The University uses the semester credit hours system of awarding credits. A semester credit is earned for satisfactory work in a 50 minute period of class per week for a semester. For a laboratory course, a longer period of laboratory work is required for a semester credit.

Registration
Full-time students must register in person during the registration period held the week prior to the beginning of classes. Part-time students may register either by mail (using the appropriate Registration Form) or in person during the registration period. The registration schedule, course offerings, and registration forms are available from the Office of the Registrar: (203) 371-7890; Hours: Monday-Thursday, 8:30 a.m.-8:00 p.m.; Fridays, 8:30 a.m.-4:00 p.m.

Students interested in full-time study must be accepted by the Office of Admissions prior to registration. For an appointment, contact the Office of Admissions: (203) 371-7880.

All charges and fees must be paid at the time of registration, unless other arrangements have been made with the Director of Financial Aid or Treasurer.

Academic counseling is provided to assist students in the selection of courses, however, each student is fully responsible for the courses selected.

Program Changes
Students are permitted to change their course selection only within the first week of the semester. A nominal charge for changes is assessed. The procedure for program changes is available at the time of registration each term from the Registrar’s Office. The procedure must be followed in order to ensure course registration and the proper issuance of refund as listed under the section on fees.

Course Withdrawal
If withdrawal from a class or school becomes necessary, students should obtain an official Withdrawal Form from the Counseling Office (full-time students) or the Office of Continuing Education (part-time students). Official withdrawal is necessary to assure proper entry on the transcript and the issue of any refunds. Course withdrawals are permitted within the first five weeks of a semester without penalty (W grade). After that, withdrawal without penalty (W grade) can be given by the instructors with the approval of the Associate Dean and Registrar. A student’s failure to properly withdraw will result in the issuance of a withdrawal failure (WF grade). Phone withdrawals are not normally accepted.

The System of Grades
The undergraduate system of grades, along with quality points issued for each grade is presented below. The system of grades for each graduate program is listed in the appropriate graduate publication.

<table>
<thead>
<tr>
<th>Grade</th>
<th>QP/Credit</th>
<th>Grade Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>Superior Class Work</td>
</tr>
<tr>
<td>B+</td>
<td>3.5</td>
<td>Excellent Class Work</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>Very Good Class Work</td>
</tr>
<tr>
<td>C+</td>
<td>2.5</td>
<td>Good Class Work</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Average Class Work</td>
</tr>
<tr>
<td>D+</td>
<td>1.5</td>
<td>Less Than Average Class Work</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>Minimum Class Work</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>Failure</td>
</tr>
<tr>
<td>W</td>
<td>0.0</td>
<td>Withdraw Passing</td>
</tr>
<tr>
<td>WF</td>
<td>0.0</td>
<td>Withdrawal Failure or Unofficial Withdrawal</td>
</tr>
<tr>
<td>FI</td>
<td>0.0</td>
<td>Failure Incomplete</td>
</tr>
</tbody>
</table>
FI grades may be changed by completion of the course work deficiency no later than six weeks after the beginning of the following semester. For unusual circumstances, the period to remove an FI can be extended with the approval of the professor and Associate Dean and Registrar.

A grade below C is not an acceptable grade in rhetoric or major course work. In addition, some courses have as their prerequisite a grade of C or better. A course must be repeated until a C or better is obtained. A repeated course can only be credited once toward the degree requirements.

Beginning with the fall, 1985 semester, when a failed course is repeated, only the most recent of the two grades will be counted in the computation of the Quality Point Average (QPA). The original grade will, however, be kept on the transcript, marked "repeat". This policy is limited to the first two "F's" received during undergraduate study. Students who have repeated a course and wish to make an adjustment to their transcripts must submit the "Repeated Course Form" to the Registrar's Office.

**Student Standing**

Satisfactory academic progress is determined by two criteria: good academic standing and normal progress, as defined below:

### Good Academic Standing

<table>
<thead>
<tr>
<th>Credits Completed</th>
<th>Minimum Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-25</td>
<td>1.5</td>
</tr>
<tr>
<td>26-40</td>
<td>1.6</td>
</tr>
<tr>
<td>41-55</td>
<td>1.7</td>
</tr>
<tr>
<td>56-75</td>
<td>1.8</td>
</tr>
<tr>
<td>76-90</td>
<td>1.9</td>
</tr>
<tr>
<td>over 90</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Students below the above minimum grade point average are placed on academic probation. If in subsequent semesters no improvement is shown, the student may be dismissed from the University.

### Normal Progress

<table>
<thead>
<tr>
<th>No. Full-Time Semesters Completed</th>
<th>Student Status</th>
<th>Credits Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Freshman</td>
<td>0-23</td>
</tr>
<tr>
<td>4</td>
<td>Sophomore</td>
<td>24-53</td>
</tr>
<tr>
<td>6</td>
<td>Junior</td>
<td>54-83</td>
</tr>
<tr>
<td>8</td>
<td>Senior</td>
<td>84-120</td>
</tr>
</tbody>
</table>

Students whose credits completed fall below the minimum listed are considered as not making normal academic progress. Many financial aid programs are contingent upon the student maintaining satisfactory academic progress.

**Class Attendance**

Regular class attendance is the responsibility of each student. Instructors are permitted to include a portion of the final grade for attendance. All work missed by absences from a class must be completed by the students. Excessive absence could result in failure of the course.

**Academic Honors**

### Dean's List

The Dean's List is calculated on a semester basis. Full-time students who earn a grade point average of 3.4 or better are eligible for the Dean's List. Part-time students who complete 9 or more credits with a 3.4 or better, or 6 credits with a 3.75 or better are eligible for the Dean's List. Students who complete less than 6 credits are not eligible for the Dean's List.

### Graduation Honors

At graduation, students who complete their programs of study with the following cumulative averages are eligible for the listed honors:

- Summa Cum Laude: 3.8 or better
- Magna Cum Laude: 3.6 to 3.79
- Cum Laude: 3.5 to 3.59

**Academic Honesty**

The University places special emphasis on academic honesty. Plagiarism, theft of library books or other University equip-
ment and all forms of academic dishonesty are subject to appropriate disciplinary action. Clear cases of academic dishonesty in any course will result in an F grade for that course or dismissal from the University. For any disciplinary action, the University affords a student the right of due process.

Academic Appeals

Any student placed on academic probation or dismissed can submit a request for change of status to the Academic Appeals Committee.

Students who have been dismissed in previous semesters must obtain permission from the Academic Appeals Committee before reenrolling in the University. For more information, contact the Office of the Associate Dean and Registrar.

Policy for Taking Courses at Other Institutions

All matriculated students must obtain the written approval of the Associate Dean and Registrar to take courses at other institutions. If the course is a major requirement, the written advice of the Department Chairperson must be submitted to the Associate Dean and Registrar when requesting approval.

Students residing in the immediate commuting area of Sacred Heart University (i.e. Shelton, Westport, Monroe, Milford, Easton, Fairfield, Bridgeport, and Stratford) must take the courses at Sacred Heart University. Students requesting exemption from this policy must present a written appeal to the Associate Dean and Registrar.

Social Security and Student Visa Certification

The Registrar is the official officer to issue certification of attendance for all government and private programs.

Waiver Policy

On occasion it becomes necessary that degree requirements or other considerations involving University policies and regulations be modified, based on individual needs. A student wishing a modification in academic requirements should obtain the application for an Academic Waiver Form from the Office of the Academic Vice President and Provost. Completed applications should be returned to the Office of the Academic Vice President and Provost.

Applications should be submitted at least one semester prior to the completion of the degree. Types of Waivers include the following:

Proficiency: The University Core provides for proficiency waivers in the following areas: English Composition, Speech, Mathematics, and Modern Foreign Languages. The University officials to be contacted respectively are Director of Freshman English, Department of English; Chairman, Department of Mathematics; and Chairman, Department of Modern Foreign Languages. Proficiency waivers exempt the student from taking the course(s). No credits are awarded for the waived courses. Students who are proficient in one of the above listed areas should consider advanced standing through CLEP or LWX as a method of earning credit.

Physical Handicaps: Students who have a physical handicap, and for whom the completion of a specific degree requirement would cause undue hardship, can submit an appeal to the Academic Vice President and Provost for a waiver of that requirement.

Departmental Major Requirements: Substitutions for required major courses can be made only with the recommendation of the department chairperson of the major department and the Division Dean and the permission of the Academic Vice President and Provost. The total number of credits required cannot be less than the minimum requirements established in the curriculum (i.e., 30 credits for Baccalaureate and 15 credits for Associate).
One-Half of Major Courses in Residence: On occasion, a transfer student has completed a majority of courses offered by the major department. The department chairperson, with the approval of the department, can recommend to the appropriate Division Dean and to the Academic Vice President and Provost the reduction of one-half of the major courses in residence.

Others: On occasion, a required course is cancelled by the University; therefore, the Division Dean, after consultation with the department chairperson of the major department involved, may substitute a comparable requirement, preferably in the same or similar discipline.

Application for Graduation

In order to receive a degree, a student must complete all requirements for that degree as listed in this catalog and in the official preregistration guide as distributed by the Office of the Registrar. All students eligible for a degree must apply for graduation candidacy with the Associate Dean and Registrar.

All degree candidates have the right to graduate under the requirements which existed at the time of their matriculation as long as continuous enrollment has been maintained. Continuous enrollment means that a student does not allow a twelve-month period to pass without taking at least one course during that period. If the new requirements are to the student’s advantage, the student may elect to take that sequence as a whole.

Transcripts

The transcript contains the official academic record of the student. Official transcripts are sent at the written request of the student to other universities, graduate schools or prospective employers. The student’s written consent must be received before a transcript will be released. The student can complete a Transcript Request Form available in the Registrar’s Office, or send a written request. A fee of $2.00 is charged for each transcript requested. Transcripts will be withheld if the student has a financial obligation to the University. Two weeks should be allowed for the processing of a transcript.
The Curricula

The Curricula
The Curricula

The goal of Sacred Heart University is to provide an educational experience for its students which will result in their development as "whole persons"; persons who will possess the intellectual ability to know, judge and reason, to analyze and synthesize, discern and appreciate; persons who will be sensitive and responsible to the needs of society and accept their responsibility to preserve the dignity of their fellow human beings; persons who are aware of the laws which govern the physical world and who will be alert to the preservation of the beauty of nature; persons who recognize the supernatural and possess a sense of moral responsibility to self, community and nation.

Sacred Heart University firmly believes that this goal can best be achieved by providing our students with a core curriculum which is composed of a broad liberal arts component of all the major academic areas. The Core Curriculum, which is required of all students, will serve as a unifying educational experience regardless of their chosen major area of specialization and future professional career choice.

The Baccalaureate Curriculum

All candidates for the Baccalaureate degree must complete at least 120 credits*, with a minimum of 30 credits taken at the University. A minimum grade point average of 2.0 is required.

All Baccalaureate of Arts degree candidates must show a proficiency in or completion of at least six credits of foreign language at the collegiate level. These credits cannot be used as partial fulfillments of the core requirements in Area B.I.

All Baccalaureate of Science degree candidates must complete Mt 002, Modern College Mathematics II, or Mt 014, Calculus for Decision Making, or the equivalent, and must complete one course in the physical or natural sciences. These credits cannot be used as partial fulfillments of the core requirements in Area B.III.

*Exception: Baccalaureate degree students with a major in Nursing must complete 124 credits.

The Baccalaureate Core Curriculum

There are two components of the Baccalaureate Core Curriculum—one is a required core, which provides the student with a competency in writing, communication and mathematical skills, and an appreciation of History and Literature; and the second is an elective core in four major areas, which provides the student with the opportunity to experience other disciplines, obtain a background for further study, and gain the knowledge to be a well-rounded and educated human being.

Area A: Required Core Credits

Proficiency of written English Rhetoric at the Collegiate Level as determined by the Department of English. En 011, English Rhetoric: Shorter Forms, and En 012, English Rhetoric: Longer Forms, normally fulfill this requirement. A grade of "C" or better is required in all courses to establish this proficiency.

Proficiency of Oral Rhetoric as determined by the Department of English. Ca 021, Effective Communication, is the course that normally fulfills this requirement. A grade of "C" or better is required to establish this proficiency.

Proficiency of Mathematics at the Collegiate Level. Mt 001, Modern College Mathematics I, or Mt 008, Mathematics for Decision Making, or a higher-level Mathematics course can be used to fulfill this requirement.

One course in English Literature; En 101,
Approaches to Literature. 3
One course in History; Hi 101, Civilizations. 3

**Area A Total:** 18

**Area B: Elective Core**

<table>
<thead>
<tr>
<th>Area B.I</th>
<th>Credits</th>
<th>Six credits from at least two (2) disciplines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art/Music</td>
<td>Foreign</td>
<td>Media</td>
</tr>
<tr>
<td>History</td>
<td>Language</td>
<td>Studies</td>
</tr>
</tbody>
</table>

Area B.II Nine credits from at least two (2) disciplines 9

<table>
<thead>
<tr>
<th>Area B.III</th>
<th>Credit hours</th>
<th>Two courses with at least one in the Natural/Physical Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Physics</td>
<td>Computer</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Mathematics</td>
<td>Science</td>
</tr>
</tbody>
</table>

Area B.IV Nine credits from two (2) disciplines 9

<table>
<thead>
<tr>
<th>Area B Total:</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30-32</td>
</tr>
<tr>
<td>Total of Areas A &amp; B:</td>
<td>48-50</td>
</tr>
</tbody>
</table>

### Associate of Arts (General Studies) Core Curriculum

The Core Curriculum for the Associate of Arts degree consists of the following:

1. The establishment of a proficiency in both written and oral rhetoric as determined by the Department of English. A grade of C or better is required in all courses taken to establish this proficiency.
2. Six credit hours chosen from at least two of the following disciplines in Area I: Fine Arts, History, Literature and Modern Foreign Languages.
3. Six credit hours chosen from at least two of the following disciplines in Area II: Anthropology, Economics, Political Science, Psychology and Sociology.
4. Six credit hours chosen from at least two of the following disciplines in Area III: Biology, Chemistry, Mathematics and Physics.
5. Six credit hours chosen from the following disciplines in Area IV: Philosophy and Religious Studies.

### Associate of Science Curriculum

The curriculum for each Associate of Science degree program consists of a combination of liberal arts courses at the introductory college level and career preparatory courses. All candidates for an Associate of Science degree must complete a minimum of 60 credits and maintain a minimum grade point average of 2.0. The prescribed curriculum and exact credit requirements for each of the four Associate of Science degree programs offered by the University are presented within the detailed descriptions of these programs under the appropriate Divisions.

### Associate of Arts (General Studies) Curriculum

All candidates for the Associate of Arts (General Studies) degree must complete 60 credits, which include the Associate of Arts Core Curriculum, a concentration of not less than 15 credit hours, and elective courses chosen in consultation with the student’s advisor. A minimum of 30 of these credits must be taken at the University, and a minimum grade point average of 1.8 is required.
Academic Programs and Resources
Academic Programs

Master Degree Programs

Master of Business Administration
The Master of Business Administration program is designed to prepare men and women for positions of administrative responsibility in business, as well as non-profit and governmental institutions, while bringing students to a full realization of the ethical and social responsibilities inherent in the managerial role.

Students receive a broad understanding of business and organizational problems, a sound knowledge of effective methods of solving these problems, the analytical skills necessary for recognizing problems and implementing solutions, and an appreciation of the place and the responsibility of the business person and the administrator in our society. A fundamental philosophical context of the program is the consideration of ethics in the functioning of the business enterprise.

The MBA is also offered in Health Care Administration to provide students advanced training in business management for positions of responsibility in the health care field. The specialty combines the MBA curriculum with core courses and electives in Health Care Administration.

For applications and additional information about the MBA contact: Associate Dean, Division of Business Administration, Sacred Heart University, P.O. Box 6460, Bridgeport, CT 06606. Telephone: (203) 371-7850.

Master of Arts in Religious Studies
The graduate program in Religious Studies is designed to suit the needs and interests of a wide variety of students. Whether one wishes to prepare for doctoral work in religion, to pursue a career in religious education, or to learn more about western religious traditions in order to enrich one’s personal and/or professional life and activities, the program supplies a broad range of valuable resources. Each graduate student, in consultation with a faculty advisor, is encouraged to select a field of concentration and to plan an appropriate course of study. While the program cannot support specialized study in all aspects of the field of religion, a number of different concentrations is possible. The student is free to design his/her own program of study, provided that it is coherent and the resources needed to maintain it are available at the University.

For applications and additional information about the MARS contact: Program Director-MARS, Sacred Heart University, P.O. Box 6460, Bridgeport, CT 06606. Telephone: (203) 371-7730.

Master of Arts in Teaching
Teachers are facing new problems and needs in today’s classrooms. Sacred Heart University has responded by introducing a graduate program in field-based education, focusing directly on the practical aspects of classroom teaching. Designed by a Graduate Advisory Council of 23 teachers and other educators in Fairfield County for teachers in the local public and private schools, the new program offers a Master of Arts in Teaching (MAT) as well as non-degree in-service teacher training at the graduate level. The field-based curriculum is also intended to serve as a prototype for statewide school systems, as they accept the validity of the classroom in the field as the training ground for more effective teaching.

A Master of Arts in Teaching may be completed in one of the following five areas of concentration:

Affective Education focuses on the affective components of the teaching/learning interaction. Teachers come to understand their own feelings, needs, and attitudes for greater
teaching effectiveness. In turn, they learn skills that will help students realize their full potential. Special emphasis is placed on alternative approaches to traditional teaching.

**Bilingual/TESOL** (Teaching English to Speakers of Other Languages) trains teachers to work with students on the elementary and secondary level who have a non-English language dominance. Bilingual education is for majors in any subject specialty. TESOL is for English majors.

**Mainstreaming** offers training for regular classroom teachers who wish to specialize in educational techniques and strategies for mainstreaming learning disabled, emotionally disturbed and physically handicapped children in the regular classroom.

**Early Childhood Education** provides a strong focus on child development and curriculum for teachers of young children in daycare centers, nursery schools, kindergartens, and primary grade classrooms.

**Professional Improvement** is designed to improve skills in the general areas of teaching. It is also open to other professionals, where appropriate.

For applications and additional information about the MAT contact: Director—Graduate Education Programs, Sacred Heart University, P.O. Box 6460, Bridgeport, CT 06606. Telephone: (203) 371-7800.

**Master of Science in Applied Operations Research**

The primary objective of the Master of Science in Applied Operations Research is to develop the capabilities to employ a variety of mathematical methods to model a particular system under study, utilizing descriptive methods such as computer applications, probability, statistics and stochastic processes, as well as prescriptive methods such as mathematical programming techniques.

For applications and additional information about the MSAOR contact: Program Director—MSAOR, Sacred Heart University, P.O. Box 6460, Bridgeport, CT 06606. Telephone (203) 371-7770.

**Baccalaureate Degree Programs**

The University offers the degrees of Bachelor of Arts and Bachelor of Science. Students may major or minor in the following areas of concentration, listed by Departments within Divisions:

**Division of Business Administration**

**Department of Accounting:**
Major: Accounting

**Department of Economics and Finance:**
Majors: Economics, Finance
Minor: Economics

**Department of Management:**
Major: Business Administration
Minor: Business Administration

**Division of Humanities and Social Sciences**

**Department of Art and Music:**
Major: Art
Minors: Art, Music

**Department of English:**
Major: English
Minor: English

**Department of History and Political Science:**
Majors: History, Political Science
Minors: History, Political Science
Department of Media Studies
Major: Media Studies
Minor: Media Studies

Department of Modern Foreign Language:
Major: Spanish
Minors: French, Italian, Spanish

Department of Philosophy:
Major: Philosophy
Minor: Philosophy

Department of Psychology:
Major: Psychology
Minor: Psychology

Department of Religious Studies:
Major: Religious Studies
Minor: Religious Studies

Department of Sociology, Social Work, and Criminal Justice:
Majors: Sociology, Social Work, and Criminal Justice
Minor: Sociology

Division of Mathematics and Science

Department of Biology:
Majors: Biology, Medical Technology
Minor: Biology

Department of Chemistry and Physics:
Major: Chemistry
Minor: Chemistry

Department of Computer and Information Sciences:
Major: Computer Science
Minor: Computer Science

Department of Mathematics:
Major: Mathematics
Minor: Mathematics

Department of Nursing:
Major: Nursing

Associate Degree Programs

The University offers both the Associate of Arts in General Studies and the Associate of Science degree in the areas of study listed below:

Associate of Arts in General Studies
This degree is offered with concentrations in Accounting, Allied Health, Art, Biology, Business, Chemistry, Economics, English, French, History, Italian, Mathematics, Media Studies, Music, Philosophy, Political Science, Psychology, Religious Studies, Sociology or Spanish.

Associate of Science
This degree is offered in Computer Science, Legal Assistant, Office Administration, and Banking.

Special Academic Programs

Honors Program
The Honors Program offers challenging interdisciplinary courses for full and part-time students who excel at academic work. The classes are small, team-taught, and encourage critical, independent thinking. The Honors curriculum is comprised of courses created specifically for the Program. An Honors course may integrate material from diverse fields or focus on one topic from a variety of perspectives. Each course fulfills a University Core requirement. Junior and senior Honors students are encouraged to conduct independent interdisciplinary study projects for Honors Program credit. Under special circumstances, upper-division seminars offered by many departments at the University may also be taken for Honors credit.

Students are normally admitted into the Honors Program in their first year because of outstanding performance on the verbal section of the SAT examination and the English placement test. In order to enter the Program in a later year (or to remain in the Program), students must have an overall cumulative average of at least 3.0 and the permission of the Honors Program Director.

A minor in Honors is granted when 18 credit hours of Honors courses are successfully completed. With the approval of the instructors and the Honors Program Director, students who are not in the Program are welcome to enroll in particular Honors courses. For more information, contact the Honors Program Director.
Pre-Professional Programs

Pre-Medical/Pre-Dental Program: This program is designed to give the student the required educational background to pursue a career in medicine, dentistry, or in related professions at a professional college or university. The balanced curriculum for the program consists of coursework in Biology, Chemistry, Mathematics, English, the Social Sciences and Humanities, and aims to provide students with the humanistic values as well as the scientific background needed to pursue a career in the health care fields.

A specially-designed post-baccalaureate pre-medical/pre-dental program is also available to those students who have already completed a baccalaureate degree and now wish to pursue a career in science or apply to a professional school.

For further information on these programs, contact the Pre-Med Advisor, Dr. Babu George, 371-7793.

Pre-Law Program: There is no prescribed or preferred pre-law course required for admission to law school. If you are interested in law as a career, you can choose a major in the humanities or social sciences. The Pre-Law Advisor will help you design your own pre-law program and will aid you in the procedures for law school admission.

Education Program

The University offers certification programs for the preparation of both elementary and secondary school teachers. Upon completion of one of the programs, a graduate may apply for provisional certification to teach in the public schools of the State of Connecticut for a period of ten years. There is a reciprocity agreement with thirty-eight other states.

Students who plan to teach in elementary or secondary schools major in the discipline that they plan to teach, and take the required certification courses to qualify for certification as elementary or high school teachers.

Since the certification programs are complementary to the core curriculum and the concentration in a major field of study, graduates of these programs have the skills that are necessary for teaching, and in addition, have skills that are valuable in many other professions. The programs are valuable for their help in developing such personal qualities as respect for human diversity and personal rights; compassion and understanding of peoples from various cultures; formation of the habit of extending one's interests and the ability to cope with occupational change because of being well-informed on how to learn, unlearn and relearn. The Education programs are conducted in cooperation with many southwestern Connecticut public and private school systems.

Contact the Director of Teacher Education for further information.

Allied Health Sciences Program

A recent study concerning nursing education recommends that in addition to the strong clinical orientation considered to be a hallmark of the hospital-based nursing education, Schools of Nursing should avail themselves of the opportunities provided by universities to enhance the academic supporting studies required of a modern educated nurse. Sacred Heart University offers an Associate of Arts in General Studies degree in Allied Health Sciences in affiliation with St. Vincent’s Medical Center School of Nursing (which is accredited by The National League for Nursing). This coordinated curriculum enhances the opportunity for students with the Registered Nurse diploma to pursue the Bachelor of Science in Nursing degree.

Students at St. Vincent’s School of Nursing are required to take 31 general education credits in addition to their major nursing courses to qualify for the nursing diploma and become eligible to take the State Board Licensing Examination for the registered nurse.

The Associate of Arts degree in Allied Health Sciences is also available to registered nurses who have graduated from other Schools of Nursing. Ten credits may be
transferred from a nursing curriculum approved by the University.

For further information contact the Chairperson of the Department of Nursing.

**Basic Studies Program**

The year-long Basic Studies Program at Sacred Heart University provides the student with the academic and personal support necessary to ensure success at college. The program includes the following components:

A. Placement testing
B. A pre-registration interview and a summer college orientation
C. A six-credit freshman course in reading, writing and study skills
D. A personal advisor to provide academic counseling on a weekly basis
E. Individual and small group tutoring at the Workshop Skills Center in reading, writing, and study skills

For information on this program, contact the Office of Admissions, (203) 371-7880.

**Special Remedial Program**

Occasionally a student enters the University with skills less than collegiate level. The University offers remedial courses in English (En 010, Basic Studies: Reading and Writing Skills; En 005-006, Freshman Rhetoric: College English for Foreign Speakers) and Mathematics (Mt 099, Basic Mathematics) to raise these skills.

These courses carry college credits but cannot be used to fulfill requirements for the Baccalaureate Degree.

For information on this program, contact the Office of Admissions, (203) 371-7880.

**Division of Continuing Education**

All part-time day and evening students are counseled under the direction of Continuing Education. The Department of Continuing Education is committed to the development of programs and educational options to meet the needs of the adult student. It is responsible for the evening school, summer sessions and non-credit programs, and special courses for business and industry.

In its involvement with the adult student who is beginning or resuming a college program, the University offers nontraditional, time-shortened options. The Life-Work Experience program grants credit for prior experience through a portfolio process, and the College Level Examination program awards credit through examination.

**The 17/62 Program**

The 17/62 Program encourages high school seniors and adults 62 years or older to take college courses. Course offerings will vary each semester. High school seniors must be recommended by their high school counselor. Contact the Admissions Office for information. Senior citizens should contact the Office of Continuing Education for more information.

**College Level Examination Program (CLEP)**

CLEP is a national program awarding college credit by examination. Sacred Heart University is an official CLEP Test Center, and offers a series of exams for students seeking a college degree. Credit will be awarded only in those areas in which the student does not have prior credit applied toward the degree. College credit is awarded when a student successfully passes a CLEP exam at a 50 percentile or higher score. Students may not apply for Life/Work Experience (LWX) credit if a CLEP exam is available in the same area. Some departments require additional work beyond the CLEP exam for credit to be awarded.

The Department of Continuing Education has specific information about the program and a schedule of testing dates. General exams and specific subject tests are offered.
on the third Saturday of every month, except December and February.

Since CLEP results usually take four to five weeks to be reported, students may not take CLEP exams in a graduating semester.

Applications and registration guides are available at the Office of Continuing Education. A full list of subject exams is included in the registration guide. Completed forms for the CLEP examinations should be returned to the Continuing Education Office at least four weeks before the exam date is scheduled.

Speech waivers, composition waivers, and term paper/essay requirements for the En 011-012 CLEP exam must be submitted within the first five weeks of the semester and not during a graduating semester. Please contact the English Department to acquaint yourself with these policies.

The University offers students the opportunity to take American College Testing Proficiency Examination Program (ACT PEP) challenge exams in Anatomy and Physiology I and II, and the National League for Nursing (NLN) challenge exams in Microbiology and Normal Nutrition. For additional information concerning these exams, contact the Office of Continuing Education.

Life/Work Experience (LWX) Program

Recognizing that higher education does occur outside of the classroom, the University awards academic credit to students for what they have learned through life and/or work experience. This experience can be the result of self-education, professional certification, in-service training programs, volunteer work, or management work experience.

LWX Guidelines: In order to apply for LWX credit, one must be an enrolled student at the University in the semester in which the portfolio is submitted. LWX credit is awarded only for experience that parallels the University's courses, programs, and departments. It is possible to use LWX credit in the Core Curriculum, in the major, as free electives, as long as a student completes at least 30 credit hours in the classroom as well as at least one half of the major in the classroom. No more than 60 credits can be awarded for LWX and CLEP combined. LWX credit is not awarded in areas where the College Level Examination Program (CLEP) is applicable.

Portfolio Preparation and Submission: The Department of Continuing Education is available to help you put together your LWX portfolio. The portfolio should include a brief work resume, a detailed description of the individual's experience tailored to particular courses in the University catalog, and supporting documentation. The supporting documentation may include certificates, awards, letters of recommendation, job description, samples of work, etc. As the portfolio is being composed, the student should be reflecting on the learning which has been derived from his/her experience.

The portfolio and an LWX application form is submitted to the Department of Continuing Education, along with the $35 application fee. The portfolio is then referred to the appropriate Academic Department for a determination of any credit award. Usually the portfolio is referred to an instructor who teaches the particular course(s) for which the student is applying. However, some departments review the portfolio as a committee, while other departments prefer to test the student in the particular subject matter.

After the academic department has evaluated a portfolio, it is then reviewed by the Dean of the appropriate University division. A letter of award is prepared by the Academic Vice President and a fee of $20 per credit is payable to the Business Office prior to the formal award of credit.

For additional information concerning LWX, please contact the Department of Continuing Education.
Independent Study and Individual Instruction

Independent study is available for qualified students who want to do more advanced or specialized work in a given academic area. Faculty members will guide the student in the research needed for the study. Only students who have officially declared their major and who have successfully completed at least 15 credits will be able to enroll. Ordinarily, a maximum of 6 credits will be permitted towards the Baccalaureate degree.

Individual instruction is available for students who need a specific course to fulfill their degree requirements but are unable to schedule the course for a valid reason; e.g., involvement in student teaching, field experience or unavailability of course. The syllabus for individual instruction conforms to the usual requirements, including required assignments, for that course. No student will ordinarily be permitted to take more than one individual course per semester, and no more than two individual courses to fulfill the degree requirements.

Cooperative Education Program

Cooperative Education joins campus and career in an exciting and dynamic new way through paid internships. Faculty and employers work together to arrange positions that combine usefulness to employers with education-in-action for students. Organizations employing co-op students include businesses, industries and government or social service agencies. Whether the employer is engaged in highly competitive profit-making activity, or social service work in a non-profit agency, student employees make a significant contribution.

While on assignment, students work as regular employees and receive academic credit for learning derived from the work experience. When co-op students graduate, they have both a degree and substantial practical experience to offer a potential employer.

The Cooperative Education student may complete degree requirements within four years, or extend the program of work and study.

Work terms can begin in the sophomore, junior or senior year. However, a cooperative education student is not restricted to any particular structured calendar. The program allows for flexibility to accommodate the needs of student and employer.

This dynamic involvement of student, University, and employer provides special benefits to all participants. Work, learn, and grow together is the philosophy of Cooperative Education at Sacred Heart University.

For more information, contact the Director of Cooperative Education.

Non-Paid Internship Program

Sacred Heart University is the second institution in Connecticut to offer a state-approved non-paid internship program. Internships are tailor-made to meet the needs of students and employers, as well as the academic requirements of the University.

The University believes that a college degree is not enough in our competitive job market, and that it is important to expose students to the realities of the workplace. With this in mind, non-paid internships provide opportunities for qualified students to be placed in professional work settings to test their career aspirations while gaining valuable work experience. The University is continually looking to develop and expand opportunities in this area. Information can be obtained by contacting the Career Services staff.

Academic Resources

Art Studios

Studio work facilities include painting, design, drawing and illustration studios. Major equipment provided for the illustration and graphic design student includes a reproduction/process camera, headline units, typesetting facilities, light tables, artograph projec-
tor, air brushes, mounting presses and a small darkroom equipped for black and white photographic processing.

**Biology Laboratories**

The Biology Department has a number of well-designed laboratories for both descriptive and experimental work. Modern equipment is used for techniques such as electrophoresis, spectrophotometry, high-speed centrifugation, Warburg tissue respiration, multi-temperature incubation, radio-isotope counting, oscillography, animal experiments and plant growth-physiology experiments.

**Chemistry Laboratories**

There are four laboratories: inorganic/analytical, organic/biochemistry, physical/physics and instrumental analysis. These facilities also contain such major equipment as UV/VIS recording spectrophotometer, pH meters, gas chromatographs, atomic absorption, analytical balances and an IR spectrophotometer.

**Computer Science Facilities**

The Sacred Heart University Computer Center supports the access to Yale University's two IBM 4341 computers by way of an extensive telecommunications network. The IBM 4341 Model 2 runs the MVS operating system to provide Batch, TSO, and WYLBUR services. It is equipped with 8 megabytes of memory shared by users for batch processing and timesharing sessions. A 6.3 gigabyte pool of on-line disk storage for files is provided with 10 IBM 3380 disk volumes (630 megabytes each). Four Memorex 6250 9-track tape drives capable of recording at 1600 or 6250 BIP are available for reading and writing tapes. The IBM 4341 Model 12 runs the VM/SP operating system to provide VM/CMS service. It is equipped with 12 megabytes of memory shared by users for timesharing sessions. An 8.28 gigabyte pool of on-line disk storage for files is provided with 26 IBM 3370 (280 megabytes each) and 2 IBM 3380 (630 megabytes each) disk volumes. The 4341 Model 12 is linked to the 4341 Model 2 to permit use of MVS Batch from VM/CMS. For use with this computing service, a wide complement of programs, program packages, and other software is available. This includes WBASIC, PL/I, APL, WPASCAL, C, BAL, SAS, SPSS, BMDP, PEC, LIDA, TPL, SPIRES, YPANEL, EASYTREIEVE, WATFILE, CSMD, DYNAMO, GPSS, SIMSCRIPT, IMSL, NAG, LINDO, WSCRIPT, and YEDIT.

To facilitate access to this computing environment, the Sacred Heart University Computer Center presently maintains thirty-two dedicated ports into the Yale environment, houses seventeen Cathode Ray Tube terminals, eight hardcopy terminals, and two bi-directional logic-seeking, fast-line printers. The Computer Center also houses twelve Apple II microcomputers and two printers dedicated for microcomputer use.

A microcomputer classroom containing twelve IBM Personal Computers is used for the “hands-on” instruction of key microcomputer courses. These IBM microcomputers are available for general student use in a laboratory environment when not in use in the classroom situation. A special Computer Science Seminar Room equipped with a Telebeam II projector is dedicated to Computer Science instruction. This Telebeam II device projects the image of a CRT display so that the students can visually inspect the computer session of the instructor in the classroom environment.

**Library**

Sacred Heart University Library offers a variety of materials and services for students. In addition to over 135,000 volumes and 900 periodical titles, students will find phonodiscs, filmstrips, cassettes and slide sets available for their use. Professional librarians regularly conduct instruction sessions for individuals and class groups, so that these resources will be fully utilized. Individual term paper assistance and computerized liter-
nature searching are also available.

Facilities include quiet study areas, two smoking lounges and an Instructional Materials Center. There are photocopy machines, microfilm and microfiche readers, reader-printers and typing booths available. Films, special events, and classes frequently take place in the Leonard A. Schine Auditorium. The Library is open 86 hours a week during regular semesters, including evenings and weekends.

**Media Studies Facilities**

The focus of the Media Studies Department is a multiple purpose studio utilized for video, film, and audio production. The complex features a multi-camera video studio, a lighting grid with a full complement of instruments controlled with remote dimmers, and multi-track reel-to-reel audio recording.

The Department further provides remote production capabilities via 3/4" EFP portable video equipment, and Super 8 mm motion picture cameras, both augmented by separate editing and screening rooms. Multi-image slide/tape production equipment offers students additional creative outlets.

The campus radio station, WSHU-FM (91.1) also serves as a learning laboratory for students with its production and on-air studios, record library, and news room with teletype news service. This 1000-watt stereo signal carries a blend of classical and easy-listening music, news, and public affairs programs throughout much of Fairfield County and to parts of Long Island. WSHU-FM is a Corporation for Public Broadcasting qualified station. It receives a variety of programming directly from satellites.

**Psychology Laboratories**

The Psychology Department’s extensive laboratory provides the space needed for this predominantly behavioral and experimental department. Both human and animal research is possible with the equipment available in the psychology labs. Instrumental conditioning devices and a human test system both interface with electro-mechanical programming modules to produce a broad range of research possibilities. Other facilities provide opportunities to explore sensation, perception, memory, experimental social psychology and biofeedback.

**Workshop Skills Center**

The Workshop Skills Center, located in the south wing of the Academic Center, is a place for individualized and small group instruction. Students, in all disciplines and at all levels, can come voluntarily or on referral, to develop and improve their oral and written communication, reading, and study skills.

With a focus on the student and on the processes of learning and language development, the Workshop Skills Center creates an interdisciplinary and comprehensive learn-
ing environment by means of individual tutoring, audio-visual presentations, a continuous program of small group workshops, and a complete resource file of audio-visual materials, workbooks, and self-help learning modules.

The Workshop Skills Center is a student-centered learning environment committed to teaching and learning as a process, and to teaching and learning language skills across the curriculum.

Additional Facilities
Sacred Heart also furnishes a Student Lounge and Center Lounge for study or friendly chats, a health service center, a dining room operated by a professional food service, a learning resource center and a pub—the common crossroads for many of the people of the Sacred Heart Community.

Community Resources
Center for Applied Ethics
The SHU Center for Applied Ethics was designed as a catalyst to coordinate convocations, lectures, conferences, and workshops to investigate important ethical issues; to work with the various departments within the University in suggesting ethics courses and to expand our library collection in the area of professional ethics.

Center for Ethnic Studies
Serving the cultural and educational interests of the various ethnic groups in our community areas, the Center for Ethnic Studies offers courses and lectures in the history, literature, and language of different nations. In addition to academic programs and study-trips abroad, the Center sponsors special events featuring ethnic art, plays, music, and dance. Refer to the departments of History and Modern Foreign Languages for descriptions of academic courses.

Center for Policy Issues
The Center for Policy Issues was established in 1980 with a special mandate to serve the people of southwestern Connecticut. The Center fulfills this mandate through conferences, forums, symposia and other activities focusing on public issues of regional interest with primary legislative implications. Major outside associations and groups, along with University departments co-sponsor the activities.

Institute for Religion and Society
The aim of the Institute for Religion and Society, an outreach arm of the Religious Studies Department, is to develop educational activities dealing with the impact of religious values on social problems. Basic activities of the Institute include a summer seminar on the family, an annual lecture series on justice-related issues, and a variety of special lectures and workshops devoted to such topics as women and society, and business ethics.

SHU Strings Music Center
The SHU Strings Music Center offers private and class instruction in guitar, electric bass, piano, violin, viola, cello, contrabass, recorder, and voice. The faculty of outstanding professional artists and teachers includes the University resident chamber ensemble, The Connecticut String Quartet and Friends.

SHU Community Chamber Orchestra
The Sacred Heart University Chamber Orchestra is an ensemble of students, faculty, and experienced area musicians which performs both baroque and modern works for small orchestra. Concerts are presented at the University and in the community.
Student Services and Campus Life
Student Services and Campus Life

Student Services

Student Counseling

The Newcomer Program: The Newcomer Program is designed to help you become acquainted with the Sacred Heart Community so you can fully enjoy the University from the beginning stages of your collegiate experience. You will meet the staff of student personnel who are more than happy to talk about our athletic programs and campus ministry. You will find out about the student activities offered.

Everyone knows that there may be adjustment problems at first. That’s why we’re here!

When you enter the University, you will be assigned to a seminar group which will meet during the last week of August for registration and orientation. A faculty coordinator, along with student leaders, will be there while you fill out forms, take I.D. pictures, and receive the semester schedule. From there they will conduct a tour of the campus and answer all questions you may have.

You will be talking to the Vice President and Dean of Students, Registrar, Career Counselor and faculty advisors who will aid in planning the academic portion of your education, while the Director of Student Activities, student organization leaders, and students themselves will acquaint you with the social life at SHU.

Very likely you will also come to know the President, Academic Vice President, the various members of Administration, Campus Ministry and clerical staff because we take personal interest and great pride in our community.

Academic Counseling: All full-time and part-time students are encouraged to meet periodically with an academic advisor. The advisory program allows for students to relate to a college professor in a relaxed, informative atmosphere that hopefully fosters a long-lasting, and definitely creative interpersonal relationship.

Two special programs are designed for special groups of full-time students. Those full-time students in need of remedial communication skills are assigned to the Basic Studies Program. For more details on the Basic Studies Program, refer to the section under Special Academic Programs. The Office of the Basic Studies Program is located in the south wing of the Academic Center.

All full-time freshman and transfer students not assigned to the Basic Studies Program are assigned to a Newcomers Program Advisor. In addition to academic advisement, the Newcomers Program individually acquaints each new student with the Sacred Heart University Community and dynamically introduces supportive services and developmental activities so vital to the student’s full realization of the collegiate experience.

Once a student has declared a major, academic counseling will be provided by a faculty member from the student’s major department. Applications for major concentration are available in the Registrar’s Office. This form should be filled out when a major has been determined by the student.

The part-time student will discover an extensive commitment to academic counseling at Sacred Heart University. The Department of Continuing Education maintains academic advisors to help plan curriculum and select courses relevant to the student’s interest. Advisement will also interface with LWX, CLEP and transfer programs in order to afford the student maximum understanding of their academic commitment. For convenience, part-time students will find counselors available Monday through Thursday evenings as well as during the day. Appointments can be made by calling the Continuing Education Office at 371-7830.
Non-Academic Counseling (Full-Time Students): The Dean of Students greets all newcomers to the University Community during the registration process in groups of twenty or thirty students. During these meetings, the students are introduced to the kinds of student services that the University offers. Throughout the remainder of the year, the Dean attempts to see all the full-time students on a one-to-one basis through office conferences, luncheons in the Cafeteria, and at student University functions. In times of need, the Dean of Students is available on demand as an advisor to students. Contact the Dean of Students: 371-7917.

(Part-Time Students): The Department of Continuing Education also realizes that the part-time student needs to discuss problems of a more personal nature. As a result, the University has established an Office of Continuing Education Services to help the part-time student deal with the stresses of study and the responsibilities of home and career. The office is available afternoon and evenings for appointments. Call 371-7846.

Counseling of a non-academic nature is also available to all students through the Campus Ministry and Health Services.

Veteran’s Counseling: The Office of the Registrar is the source of counseling for those students (veterans and dependents of veterans) receiving the benefits of legislation dealing with veterans education (Title 38 U.S.C. Chapters 31-35).

All veterans applying to Sacred Heart University should notify the Registrar’s Office so that additional forms may be completed and sent out to the Veteran’s Administration. Veterans applying for educational benefits for the first time, in addition to the above, must present a notarized copy of their Form DD 214 to the Registrar’s Office. Each semester, at the time of registration, all veterans must complete and return an Enrollment Certification, Form 22-1999, to the Registrar’s Office. These forms will be certified and sent to the Veteran’s Administration. Please remember to check the Veteran’s Benefits box on the Registration form.

Each semester veterans will receive attendance sheets (required by the V.A.) to be completed and returned to the Registrar’s Office by the designated dates. Failure to cooperate will result in discontinuance of benefits.

Activities Office

The Activities Office serves as the center for information on student events, clubs and organizations, and student leaders. In addition, this Office distributes student ID cards, activity stickers, and yearbooks. Students interested in joining an organization or starting a new club are encouraged to consult with the Director of Student Activities at 371-7969.

Campus Ministry

Students of all faiths are welcome at Sacred Heart. The Campus Ministry reflects this ecumenical vision through its inter-faith representation. A priest of the Diocese, a representative from the Sisters of Notre Dame, a pastor from the local Baptist congregation, and a rabbi from a local Jewish congregation are assigned as chaplains to assist students in their search for understanding and commitment in our interdependent world.

The Campus Ministry must respond both on and off campus to the needs of a commuter student body, faculty, staff, and administration. Daily Liturgies, visits to the sick, pastoral counseling, marriage preparations, and retreats are some of the forms this response takes. A quiet place in Chapel, a cup of coffee in the office, an opportunity for friends and prayer are all at the heart of our ministry to each other.

While serving Sacred Heart, our Campus Ministry reaches out to the wider community. A Mass for the handicapped is offered every Sunday in the Chapel at 11:00 a.m. Among some of the other activities spon-
sored by the Campus Ministry are: RENEW, a ministry for divorced, separated, and remarried Catholics; Circle K, a student community service organization; a college council of the Knights of Columbus; and a program of ministry to the aging at two neighborhood convalescent homes. In its concern for the hungry and oppressed of the world, the Campus Ministry supports the activities of the Thomas Merton House of Hospitality, OXFAM, the St. Vincent de Paul Society of Shelton, and other local and international agencies of the poor.

Career Planning and Placement

The Career Planning and Placement office, located in the Campus Center, provides a wide variety of services, techniques, and guidance for full-time undergraduate, graduate students, and alumni. Resources available for use include updated graduate catalogs, current annual reports and information covering a wide range of career areas, as well as surveys and job trend information. Applications for graduate exams may be obtained in the office.

An orientation program introduces freshman and transfer students to the informational and placement services of the office. Interest testing, interpretation of skills assessment, values, and motivation are included in the four-year career planning program. Personal career counseling is on-going and helps students to make decisions about their future goals. Workshops given during the year provide experience in resume writing, interviewing techniques, and the job search.

Individual appointments are scheduled with graduating seniors to explore post-graduate plans. Companies recruit on campus during the fall and spring. Personnel Day, which is held in October, provides seniors with the opportunity to discuss their career plans with representatives from numerous organizations in Fairfield County.

The Director meets personally with potential employers on a continuing basis to investigate employment information and to secure potential openings for our graduates. Appointments may be made by contacting the Office of Career Planning and Placement at 371-7975.

Housing

The Counseling Center of the University maintains a file of available housing in the area. This reference service is available to students free of charge. For more information about this service, call 371-7747.

Health Services

The Health Center is located in the south wing next to the Student Pub. A registered nurse is on duty from 9:00 a.m. to 9:00 p.m. Monday through Thursday, 9:00 a.m. to 5:00 p.m. on Friday, and 9:00 a.m. to 1:00 p.m. on Saturday, serving all members of the University Community.

The Health Center houses a three bed infirmary and provides first-aid and emergency health care services for students of the University on a day care basis. The Center also conducts workshops for the University Community and distributes articles and pamphlets on health problems of particular interest to students.

Student Rights and Responsibilities

The Dean of Students is the advocate for all student interests on campus and espouses the philosophy that Sacred Heart University exists to serve its students. If the occasion arises where students feel they are suffering from a disservice, the matter will be reviewed, and, if justified, corrected by due process through the Office of the Dean of Students.

Campus Life

Student Activities

In its commitment to meeting the needs of the whole person, the University places special emphasis on a diversified program of activities that reflects the curricular and extracurricular interests of the students. Simply
stated, the aim of student activities is to foster a sense of pride, belonging, and community.

**Student Clubs and Organizations**

The following lists the various student clubs and organizations by category. For more information on the activities of these organizations, contact the Office of Student Activities at 371-7969.

**Departmental Clubs:** Accounting Club, Art Club, Biology Club (AIBS), Chemistry Club (ACS), Criminal Justice Club, Debate Society (Political Science), Drama Club, Executive Club, Lambda Alpha Pi (Paralegal Club), Marketing Club, Media Club, Medical Technology Club, Philosophy Club, Psychology Club, The Rycenga Society (English), Social Work Club.

**Recreational Clubs:** Bike-Hike Club, Communications Center, Dungeons and Dragons, Karate Club, Outdoors Club, Tennis Club, University Chorale, University Community Chamber Orchestra.

**Service Clubs/Organizations:** Circle K Club, COPUS, Pre-Medical Society, Presidential Gold Key, REPHAS, Work-Study Service Club, Women’s Center.

**Honor Societies:** Alpha Sigma Lambda Honor Society (Continuing Education), Delta Epsilon Sigma Honor Society (national honor society for graduates of Catholic colleges), Phi Alpha Theta Honor Society (History), Phi Sigma Iota Honor Society (Languages).

**Fraternities and Sororities:** Beta Delta Phi Sorority, Gamma Chi Zeta Fraternity, Nu Epsilon Omega Sorority, Pi Sigma Phi Sorority, Rho Sigma Chi Society, Sigma Psi Delta Fraternity, Sigma Tau Omega Fraternity, Inter-Fraternity Sorority Council.

**Ethnic Organizations:** Italian Club, La Hispanidad, Polish Club, UJAMMA (Black Heritage Association).

**Political Clubs:** College Republicans, Young Democrats Club.

**Student Governing Organizations:** Class Officers, Continuing Education Evening Council, Student Government, University Senate.

**Student Publications:** Prologue (Yearbook), Spectrum (Newspaper).

**Other Student Activities:** Cheerleading, WSHU-FM (Radio Station).

**Special Student Events** (sponsored by student clubs and organizations): Harvest Week-end, Last Day of Classes Party, Christmas Party, Springfest, Senior Week.

**Cultural Activities**

Sacred Heart University is committed to the Arts and sponsors a wide variety of cultural activities for both the University and the southwestern Connecticut communities. Situated off the Merritt Parkway between Bridgeport and Fairfield, only 20 minutes from the Yale University campus and one hour from New York City, Sacred Heart is centrally located in an area rich with artists, writers, and musicians.

**University Exhibits, Lectures, Concerts, and Performances**

As part of its commitment to the Arts, Sacred Heart sponsors exhibits, lectures, concerts, and theater performances that feature professionals as well as students. Shows include the Illustrators Invitational, the High School Art Teachers Show, Senior Students Show, and the Fairfield County Illustrators Show. Major exhibitions have included Reginald Marsh, Benton Spruance, Moby Dick, Fine Press Books, the Art and Poetry of the Yeats Family, and Two Hundred Years of Connecticut Printmakers.

George Bush, W.H. Auden, Robert Frost, Gerald Ford, Buckminster Fuller, Isaac Singer, Dr. Mary Leaky, Rollo May, and Kurt Waldheim are among those who have appeared for the University Community. Notable campus performances have featured the Waverly Consort, Warsaw Symphony, Igor Kipnis, the Duquesne University Tam-
buritzans, Israeli Yuval Trio, P.D.Q. Bach and the Abbey Theater of Dublin.

**Athletics**

The Athletic Department strives for both competitive excellence on the intercollegiate level and broad participation of all students in various athletic activities. In order to achieve these goals, the Department is subdivided into three areas: 1). Intercollegiate Sports for men, in which nine varsity teams compete in baseball, basketball, cross country, golf, soccer, and volleyball; 2). Intercollegiate Sports for women, in which four varsity teams compete in basketball, softball, volleyball, and cross country; and 3). Open recreation, in which athletic equipment and facilities, for basketball, ping pong, volleyball, badminton, and a universal gym are made available to the entire University Community.

The University is a member of the NCAA Division II, the ECAC, and the NECAC. The athletic program has gained respect at the local, regional and national levels as evidenced by its participation in nine NCAA basketball tournaments, three NCAA softball tournaments, and one NCAA baseball tournament to date.
Admissions, Expenses, and Financial Aid
Admissions
Sacred Heart University’s Admissions requirements are designed to admit applicants who have completed a high school diploma or its equivalent. Students can be admitted under a number of full-time, part-time or evening programs. The University offers its programs to the southwestern Connecticut community at times and places that are convenient to the constituency served. No residential facilities are provided on campus. However, the University does provide a list of potential off-campus housing to its students. In addition to high school graduates, the University accepts transfer students from other regionally-accredited colleges. College graduates interested in furthering their education are also welcomed.

Sacred Heart University supports the efforts of secondary school officials and governing bodies to have their schools achieve regional accreditation status to provide reliable assurance of the quality of the educational preparation of their applications for admission. Sacred Heart’s admissions policy does not discriminate because of race, national origin, color, sex, handicap, age or religious belief.

Applicants can be admitted into one of the following categories:

Baccalaureate
Students admitted into the Baccalaureate Program meet all the academic requirements and are permitted to register as fully matriculated students in all undergraduate programs.

Conditional Baccalaureate
Students admitted to the Conditional Baccalaureate Program meet admissions requirements; however, special consideration is given in selecting courses within the academic programs.

Associate
Students admitted to the Associate programs meet the admissions requirements for one of the following two year programs: Associate of Arts, General Studies; Associate in Science, Secretarial; Associate in Science, Computer Science; Associate in Science, Paralegal Studies or Associate in Science, Banking.

Developmental Studies Program (DSP)
Students admitted to the DSP Program normally do not meet all the admissions requirements but show sufficient potential to be admitted full-time to the University. Students in the DSP Program will be given special assistance in the area of oral, written, and study skills. DSP students are limited to 12 credit hours for their first semester.

Special
Qualified students who give evidence of meeting the admissions requirements, but who have not completed the program for admissions, are accepted as special students. Special students may take courses for which they qualify but not as degree candidates. Final decision concerning the full matriculation of special students will be made by the admissions committee at a later date. Students in the special program are subject to review before continuing in the University on a semester by semester basis.

Early Admissions Program
The University has established an arrangement with certain local high schools in which qualified high school students may be admitted to the University after completion of their junior year in a special early admissions program. Upon completion of their first year of study in the program, these students also meet the requirements for their high school diploma.
Transfer Students

Any student who has attended another regionally accredited institution and wishes to transfer to Sacred Heart University must present an official transcript at the time of admission to the Admissions Office (full-time) or Office of Continuing Education (part-time). Credit will be awarded for courses which carry grades of C or better and which parallel University offerings. The University reserves the right to examine selected courses to determine whether or not their content and quality fits the University’s purpose and goals. Once a student is matriculated, courses normally will not be accepted unless prior written permission of the Associate Dean and Registrar is obtained.

The University normally will accept a maximum of 66 credits from junior colleges and 90 credits from four-year institutions. The University will grant 45 credits in the appropriate curriculum areas to those students who have a three-year R.N. diploma from an accredited institution. This is not applicable toward the Bachelor of Science degree in Nursing.

Full-Time Study

Students interested in full-time study on the undergraduate level should contact the University Admissions Office for an application. Applications to the University can be made by completing the following items:

1. Complete the application and send it to the Admissions Office with a $20 application fee.
2. Have an official high school and/or official college transcript sent to the Admissions Office.
3. Have Educational Testing Service, P.O. Box 592-A, Princeton, New Jersey 08541 send official SAT report to the Admissions Office (University code is 3780).
4. The Admissions Office will set up a personal interview after your application is filed. The address of the Admissions Office for the above items is: Admissions Office, Sacred Heart University, P.O. Box 6460, Bridgeport, CT 06606, Telephone: (203) 371-7880.

The Admissions Office operates on the rolling admissions system, that is, notification of acceptance will be determined as soon as all the credentials have been received. In order to ensure adequate time for processing your application, the above items should be completed as early as possible: May 1 for September admissions and December 1 for January admissions. Late applications after these dates are also considered if time and room is available in the class.

Part-Time Study

All part-time day and evening undergraduate students are admitted through the Office of Continuing Education. The Office of Continuing Education is committed to the development of programs and educational opportunities for the part-time student. Special offerings, in addition to the regular undergraduate offerings, are certificate programs in Computer Science, data processing, word processing and non-credit courses for the personal, professional, cultural, and social development of the adult student. Typical offerings in the non-credit areas are real estate, travel agent, and effectiveness training for women. Persons interested in enrolling should contact the Director of Continuing Education for an application, program information, and counseling. The procedure for admission to degree programs for continuing education students is:

1. Complete a part-time application and return it to the Office of Continuing Education.
2. Have an official transcript of both high school and college work sent to the Office of Continuing Education.
3. Make an appointment with the Office of Continuing Education to discuss academic curriculum and course offerings.

Admissions decisions will be made when the above items are completed. Persons can enroll as special students before completing the above.
Students wishing to matriculate for a degree program must complete the above procedure before completing 12 credits. A $20 matriculation fee is required for degree candidates. The mailing address for the Office of Continuing Education is: Office of Continuing Education, Sacred Heart University, P.O. Box 6460, Bridgeport, CT 06606, Telephone: (203) 371-7830.

Non-matriculated students wishing to change from part-time to full-time status are required to be admitted officially by the Admissions Office.

Expenses

Tuition and University Fees

Tuition:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Time Student (12-17 credits), per semester</td>
<td>$2,250.00</td>
</tr>
<tr>
<td>(Over 18 credits)</td>
<td>136.00 per credit</td>
</tr>
<tr>
<td>Part-Time Student, per credit hour</td>
<td>136.00</td>
</tr>
<tr>
<td>Medical Technology Student* (Clinical year only), per year</td>
<td>360.00</td>
</tr>
<tr>
<td>MBA Student, per credit hour</td>
<td>151.00</td>
</tr>
<tr>
<td>MSAOR Student, per credit hour</td>
<td>151.00</td>
</tr>
<tr>
<td>MAT Student, per credit hour</td>
<td>139.00</td>
</tr>
<tr>
<td>MARS Student, per credit hour</td>
<td>139.00</td>
</tr>
<tr>
<td>Auditor per course</td>
<td>200.00</td>
</tr>
<tr>
<td>17/62 Student, per course (6 credit maximum)</td>
<td>25.00</td>
</tr>
</tbody>
</table>

University Fees:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee**</td>
<td>$20.00</td>
</tr>
<tr>
<td>Registration Fee**</td>
<td>10.00</td>
</tr>
<tr>
<td>Late Registration Fee** (in addition to Registration Fee)</td>
<td>15.00</td>
</tr>
</tbody>
</table>

Change of Program Fee, per course 10.00
Student Teaching Fee** 100.00
Student Activity Fee** (Full-Time Student), per semester 25.00
Student Activity Fee** (Part-Time Student), per semester 5.00
Laboratory Fees** (vary with course; specified under course descriptions)

LWX Program**, Registration Fee 35.00
LWX Program, per credit hour 20.00
CLEP (fees are determined by The Educational Testing Service)
Graduation Fee 35.00
Transcript Fee 2.00

Matriculation Deposit: A matriculation deposit for full-time students of $50.00 is required at the time the student notifies the University of his/her intention to attend. The deposit will be refunded at graduation or upon official withdrawal from the University after all financial obligations have been cleared. Students on official leave from the University must leave the fee on deposit.

Continuing Education students and part-time students currently in attendance or who will attend in the future will be required to pay this deposit if and when they matriculate into a full-time degree program.

Current students who withdraw and re-enter at a later date as full-time students will be re-
quired to pay this deposit. Paid deposits for non-enrolling students are good only one year following payment. Deposits for students moving from full-time to part-time will be kept on deposit until graduation or official withdrawal.

**Payment of Tuition and Fees:** All checks are to be made payable to Sacred Heart University.

University charges must be paid on or before registration for each semester or session unless prior arrangements have been made under a deferred payment plan. Regulations covering deferred payment plans are available from the Business Office.

A degree will not be conferred and a transcript will not be issued until all financial obligations to the University have been met.

**Tuition Refunds:** Withdrawal from the University within four weeks from the commencement of a semester entitles the candidate to a proportional refund of tuition. Refunds are granted only if the candidate complies with the withdrawal procedures as prescribed by the Office of the Registrar. Fees are not refundable.

The schedule of tuition refunds is as follows:

<table>
<thead>
<tr>
<th>Time after semester</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before start of class</td>
<td>100%</td>
</tr>
<tr>
<td>1st week</td>
<td>80%</td>
</tr>
<tr>
<td>2nd week</td>
<td>60%</td>
</tr>
<tr>
<td>3rd week</td>
<td>40%</td>
</tr>
<tr>
<td>4th week</td>
<td>20%</td>
</tr>
<tr>
<td>5th week</td>
<td>0%</td>
</tr>
</tbody>
</table>

Proportional refunds of tuition monies are also in effect for those courses which do not meet on a full semester basis.

Refunds resulting from a change in program or financial aid must first be verified by the Bursar’s Office.

All refunds take six weeks to process.

**Financial Aid**

The University maintains a strong commitment to provide higher education to as many students as possible by making scholarships, loans, and employment available.

Financial Aid programs are based on the student’s academic potential, character and citizenship, and demonstrated financial need. Since its founding, over 71 percent of the University’s students have availed themselves of financial aid. The procedure for applying for financial aid is as follows:

1. **Admission to the University**
2. **Completion of Forms**
   - Any student who wishes to apply for Financial Aid is to complete a Financial Aid Form (FAF). The FAF is to be mailed to Princeton, New Jersey with a small fee.
3. **Approval of Aid**
   - You will receive notification from Princeton, New Jersey that they have received your FAF. The University will receive a copy of your FAF about eight to ten weeks after you file. If you have applied for the Pell Grant you will receive a copy of your Student Aid Report in the mail within the same eight to ten week period.
   - You will then receive notification from Sacred Heart University that your FAF is on file in the Financial Aid Office. Call 371-7980 to make an appointment with the Director or Assistant Director of Financial Aid.

**State Student Aid**

Student aid is available for Connecticut residents attending independent colleges or universities in Connecticut. Sacred Heart University shares in these funds, which are distributed through the State Commission for Higher Education.

Students who wish to apply for these funds should contact the Director of Financial Aid for further information.

**Financial Aid and Private Income**

The University Financial Aid Program is based on the assumption that candidates and their families will provide as much assistance as they can from their private income and assets. In his calculation, The Director of Financial Aid follows the procedures and practices developed by the College Scholar-
ship Services.

For additional information on financial aid, contact the Director of Financial Aid.

**College Work Study Program**

In addition to grants and loans, employment is available to students as part of the Financial Aid Program. Employment within the University is offered under the terms of the College Work Study Program. Campus jobs provide the opportunity to earn wages that are based on an hourly rate and paid directly to the student.

**Area Part-Time Employment**

There are numerous opportunities for part-time employment in the Bridgeport area and in nearby communities. The Office of Career Planning and Placement serves as a liaison between students and outside employers.

**Family Allowance**

The University Board of Trustees has adopted the following policy: When two or more dependent children receiving their support from the same parent are in full-time attendance at the University at the same time (or attending part-time earning at least 6 credits), each will receive a 15 percent reduction in the cost of tuition. Applications for such an allowance must be submitted to the Office of Student Accounts each semester, prior to registration.

**Deferred Payments**

Candidates who prefer to pay their educational costs in monthly payments may avail themselves of the services of the EFI Fund Management of Chicago, Illinois; Academic Management Services, Inc., Pawtucket, Rhode Island; or Tuition Plan, Inc. Such plans should be made with the Business Office as early as possible and are subject to the credit policy established by the University.

**Presidential Scholarships**

Presidential Scholarships are awarded on the basis of academic promise and financial need by the President and the Scholarship Committee in varying amounts to incoming Connecticut freshmen and transferring upper-class students. A limited number of these awards have been reserved for highly recommended transfer students from Housatonic Community College and Norwalk Community College. These scholarships are made possible by the generous donations of alumni, parents, friends, local corporations, and businesses.

**Connecticut Guaranteed Student Loan Program**

The Connecticut Student Loan Foundation was created as a non-profit, state-supported corporation by the 1965 General Assembly to provide guaranteed loans in amount up to $2500 per academic year.

The actual loans are made through authorized lenders such as commercial banks, mutual savings banks, credit unions, and savings and loan associations.

Application forms may be obtained from the Director of Financial Aid, from any participating institutions or directly from the Connecticut Student Loan Foundation, 54 Pratt Street, Hartford, Connecticut. Applications should be filed as early as possible in order to qualify for funds in the program.

**National Direct Student Loan Programs**

The University administers loans to candidates from funds made available under the National Defense Education Act of 1958. This program is designed to aid qualified students in need of financial assistance who otherwise could not obtain a college education. Primary consideration is given to students who may have the greatest need. These loans are obtained directly from the University. Interest and repayments may extend as long as ten years.

**Supplementary Educational Opportunity Grants**

The Federal Government has instituted a program providing federal grants to students
with exceptional financial need that do not require repayment.

Applications must be submitted to the Director of Financial Aid by June 1. A Parent’s Confidential Statement is required, and this form should be submitted to the College Scholarship Service, Box 176, Princeton, New Jersey by March 1.

**Endowed Scholarships**

**The Mechanics and Farmers Savings Bank Scholarship** was established to celebrate the Bank’s one hundred years existence as a mutual savings bank. The income from this endowed fund will be used to aid a deserving student or students residing in a town situated within the bank’s deposit area.

**The James Joy Scholarship Fund** was established through the will of James Joy with income of the invested principal providing funds for a deserving student. The recipient is selected by the President.

**Dr. Daniel T. Banks Scholarship Fund.** Donated by Dr. Daniel T. Banks, a prominent Bridgeport physician, to be awarded annually to a deserving student, preferably a student interested in pursuing a career in medicine.

**The John Balamaci Memorial Fund Scholarship.** The funds for this award were given by Mr. and Mrs. Thomas Balamaci in memory of their son, deceased alumnus John Balamaci, to aid a worthy student in meeting his educational expenses.

**The Sandra Lynn Nobili Scholarship Fund.** The funds for this award were given by the family and friends of alumna Sandra Lynn Nobili, to be awarded annually to a deserving Catholic student entering the senior year and planning a career in elementary education.
Division of Business Administration
Division of Business Administration

Charles W. Harper, Dean
Dr. Diana D. Mrotek, Associate Dean

The Division of Business Administration prepares its students for creative roles in life while at the same time providing skills that can be applied to a career choice. It is hoped that the student will take advantage of the unique opportunity that the University offers and gain an understanding of the complex, evolving social systems in which business functions. By offering a blend of liberal arts and business courses, the department will prepare students for a career in business, industry or government. It also forms a basis for advanced study in the Master of Business Administration program.

Departments and Programs

Accounting
Dr. Roberta J. Cable, Chairperson

Economics/Finance
Dr. Ramzi N. Frangul, Chairperson; Banking Program Director

Legal Assistant
H. Pamela Sohon, Program Director

Management/Marketing
Dr. Laurence M. Weinstein, Chairperson

Office Administration
Camille P. Reale, Chairperson

Master of Business Administration
Dr. Diana D. Mrotek, Program Director

Master of Business Administration/Health Care Administration
Dr. Diana D. Mrotek, Program Director

Department of Accounting

The effective use of financial information is a critical need for decision makers in business, industry, banking, government, education, law and many related fields. Today, professional opportunities in those fields continue to expand in all sectors of our economy. In addition, professional personnel with strong backgrounds in accounting and finance are in great demand for such positions as financial analysts, estate planners, investment counselors, market researchers, auditors, controllers and business managers.

Major in Accounting

The accounting curriculum is designed to meet both the short- and long-term needs of a student who wishes to enter the accounting profession. Whether the student wishes to enter the job market or graduate school after completing the program, a solid foundation for professional growth in Accounting requires the same preparation. Therefore, the Sacred Heart Accounting Program meets the needs of those who plan to start a career after graduation or to continue their education on the graduate level.

The major in Accounting requires the completion of 51 major credits plus seven credits in related fields. Accounting students are advised to take Mt 008 and Mt 014 as part of their required Baccalaureate Core, since they are prerequisites for certain Accounting courses.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ac 101-102</td>
<td>Principles of Accounting I, II</td>
</tr>
<tr>
<td>Ac 201-202</td>
<td>Intermediate Accounting I, II</td>
</tr>
<tr>
<td>Ac 301-302</td>
<td>Advanced Accounting I, II</td>
</tr>
<tr>
<td>Ac 313</td>
<td>Cost Accounting</td>
</tr>
<tr>
<td>Ac 314</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>Ac 321-322</td>
<td>Auditing I, II</td>
</tr>
<tr>
<td>Ac 383-384</td>
<td>Federal Taxes I, II</td>
</tr>
<tr>
<td>Bu 231-232</td>
<td>Business Law I, II</td>
</tr>
<tr>
<td>Bu 241</td>
<td>Business Statistics</td>
</tr>
<tr>
<td>Ec 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>Fn 314</td>
<td>Financial Analysis</td>
</tr>
</tbody>
</table>
**Required Supporting Courses:**

Cs 009  An Introduction to Data Processing  
Ec 201  Principles of Economics I

**Recommended Electives:**

Bu 201  Organizational Management  
Mk 261  Principles of Marketing

**Academic Requirements for the AICPA Examination in the State of Connecticut**

The minimum academic requirements for those seeking to sit for the American Institute of Certified Public Accountants (AICPA) examination in the State of Connecticut are:

1. A bachelor degree from a regionally-accredited college;  
2. At least 46 semester hours from such an accredited college in the study of accounting and related subjects, including but not limited to, business law, economics, and finance; of which 24 semester hours shall be in the study of accounting.

In practical terms, the credits need to be taken as follows:

1. At least 24 semester hours in accounting;  
2. At least 3 semester hours each in business law, economics, and finance; and  
3. A minimum of 13 semester hours in business and accounting electives.

**Department of Economics/Finance**

**Major in Economics**

Our program in economics is intended for highly motivated students who are interested in seeking a career in business, government, or teaching. The program is also designed to satisfy the needs of those students who elect to participate in double majors or major/minor combinations with other fields.

The major in Economics requires the completion of 33 major credits plus 12 credits from the related fields of Sociology, Psychology, Political Science, and Philosophy (Ethics). No more than 6 credits may be taken in any one of the related fields. Economics students are advised to take Mt 008 and Mt 014 as part of their required Baccalaureate Core, since they are prerequisites for certain Economics courses.

**Required Courses:**

Ec 201-202  Principles of Economics I, II  
Ec 212  Economics Statistics, or  
Bu 241  Business Statistics  
Ec 301  Intermediate Macroeconomic Analysis  
Ec 302  Money and Financial Institutions  
Ec 313  Managerial Economics, or  
Ec 221  Intermediate Microeconomic Analysis  
Ec 341  History of Economic Thought  

Four Economics electives  
Four courses from related fields

**Minor in Economics**

The minor in Economics requires the completion of 18 credits.

**Required Courses:**

Ec 201-202  Principles of Economics I, II  

Four Economics electives at the 200 level or higher

**Major in Finance**

The finance curriculum is designed to develop your knowledge and skills for professional positions in financial institutions, corporations, governmental and non-profit institutions. These include: commercial and savings banks, brokerage firms, investment banking, insurance companies, and the
finance departments of corporations and governments.

The major in finance requires the completion of 51 major credits plus seven credits in related fields. Finance students are advised to take Mt 008 and Mt 014 as part of their required Baccalaureate Core, since they are prerequisites for certain Finance courses.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ac 101-102</td>
<td>Principles of Accounting I, II</td>
</tr>
<tr>
<td>Bu 201</td>
<td>Organizational Management</td>
</tr>
<tr>
<td>Bu 202</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>Bu 221</td>
<td>Business Communication</td>
</tr>
<tr>
<td>Bu 231</td>
<td>Business Law I</td>
</tr>
<tr>
<td>Bu 241</td>
<td>Business Statistics</td>
</tr>
<tr>
<td>Bu/Ph 257</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>Bu 301</td>
<td>Business Policy</td>
</tr>
<tr>
<td>Ec 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>Ec 302</td>
<td>Money and Financial Institutions</td>
</tr>
<tr>
<td>Fn 215</td>
<td>Financial Management</td>
</tr>
<tr>
<td>Fn 251</td>
<td>Corporate Finance</td>
</tr>
<tr>
<td>Fn 315</td>
<td>Investments</td>
</tr>
<tr>
<td>Mk 261</td>
<td>Marketing</td>
</tr>
</tbody>
</table>

Plus two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fn 241</td>
<td>Financial Markets: Structure and Performance</td>
</tr>
<tr>
<td>Fn 271</td>
<td>Risk and Insurance</td>
</tr>
<tr>
<td>Fn 314</td>
<td>Financial Analysis</td>
</tr>
<tr>
<td>Fn 316</td>
<td>International Financial Management</td>
</tr>
<tr>
<td>Fn 317</td>
<td>Portfolio Management</td>
</tr>
<tr>
<td>Fn 318</td>
<td>Current Problems in Finance</td>
</tr>
</tbody>
</table>

**Required Supporting Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs 009</td>
<td>Introduction to Data Processing</td>
</tr>
<tr>
<td>Ec 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

**Banking Program**

In conjunction with the American Institute of Banking, Sacred Heart University offers a two-year Associate of Science in Banking degree program for banking personnel, which combines banking courses with the study of the liberal arts.

The Associate of Science in Banking requires the completion of 60 credits.

**Required Courses:**

The following courses must be taken at Sacred Heart University:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ac 101-102</td>
<td>Principles of Accounting I, II</td>
</tr>
<tr>
<td>Bu 201</td>
<td>Organizational Management</td>
</tr>
<tr>
<td>Ec 201-202</td>
<td>Principles of Economics I, II</td>
</tr>
</tbody>
</table>

Six liberal arts electives

The following courses may be taken at Sacred Heart University or through the American Institute of Banking (AIB):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bu 231</td>
<td>Business Law I (AIB: Commercial Law)</td>
</tr>
<tr>
<td>Ca 021</td>
<td>Effective Communications (AIB: Effective Communications)</td>
</tr>
<tr>
<td>En 011</td>
<td>Freshman Rhetoric: Shorter Forms (AIB: Effective English)</td>
</tr>
<tr>
<td>En 012</td>
<td>Freshman Rhetoric: Longer Forms (AIB: Bank Letters and Reports)</td>
</tr>
</tbody>
</table>

Five three-credit, bank-oriented courses must be taken through the AIB.

**Legal Assistant Program**

This two-year program leading to an Associate of Science degree has been granted approval by the American Bar Association.

The four-semester sequence is structured to provide the legal training and general academic background necessary to function effectively as a legal assistant. Entrance to the program is highly selective. The Admissions Committee seeks students who show evidence of high academic achievement.

Graduates of the program will be paraprofessionals working under the direction of a licensed attorney and qualified to furnish supportive services in law offices as well as in legal departments of corporations, banks, and in government at the municipal, state and federal levels.
This course of study may also be incorporated into a baccalaureate degree program leading to a Bachelor of Science degree in Business Administration with a concentration in Legal Administration. For complete information on this program, refer to the Legal Administration Program description in the Department of Management section of this catalog.

The Associate of Science program requires the completion of 60 credits.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ac 101-102</td>
<td>Principles of Accounting I, II</td>
</tr>
<tr>
<td>Bu 103</td>
<td>Business: Its Nature and Environment, or</td>
</tr>
<tr>
<td>Bu 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>Ca 021</td>
<td>Effective Communication</td>
</tr>
<tr>
<td>En 011</td>
<td>Freshman Rhetoric: Shorter Forms</td>
</tr>
<tr>
<td>En 012</td>
<td>Freshman Rhetoric: Longer Forms</td>
</tr>
<tr>
<td>Lw 101</td>
<td>Criminal Law and Torts</td>
</tr>
<tr>
<td>Lw 102</td>
<td>Contracts and Uniform Commercial Code</td>
</tr>
<tr>
<td>Lw 121-122</td>
<td>Legal Research I, II</td>
</tr>
<tr>
<td>Lw 161</td>
<td>Legal Office Procedures</td>
</tr>
<tr>
<td>Lw 201</td>
<td>Business Organization and Domestic Relations</td>
</tr>
<tr>
<td>Lw 202</td>
<td>Property and Conveyancing</td>
</tr>
<tr>
<td>Lw 203</td>
<td>Estate, Probate and Taxation</td>
</tr>
<tr>
<td>Ps 121</td>
<td>Applied Psychology, or</td>
</tr>
<tr>
<td>Ps 131</td>
<td>Dynamics of Behavior</td>
</tr>
<tr>
<td></td>
<td>Five liberal arts electives</td>
</tr>
</tbody>
</table>

**Department of Management/Marketing**

The curriculum in Management provides a solid foundation in both quantitative techniques and in management theory. Taking the behavioral science/human relations point of view, the program recognizes that sound practice requires sound theory. The case method is often used to illustrate theory in practice.

**Major in Business Administration**

The major in Business Administration requires the completion of 51 major credits plus seven credits in related fields. Management students are advised to take Mt 008 and Mt 014 as part of their required Baccalaureate Core, since these courses are prerequisites for certain Management courses.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ac 101-102</td>
<td>Principles of Accounting I, II</td>
</tr>
<tr>
<td>Bu 103*</td>
<td>Business: Its Nature and Environment</td>
</tr>
<tr>
<td>Bu 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>Bu 202</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>Bu 221</td>
<td>Business Communications</td>
</tr>
<tr>
<td>Bu 231</td>
<td>Business Law I</td>
</tr>
<tr>
<td>Bu 241</td>
<td>Business Statistics</td>
</tr>
<tr>
<td>Bu/Ph 257</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>Bu 278</td>
<td>Principles of International Business</td>
</tr>
<tr>
<td>Bu 301</td>
<td>Business Policy</td>
</tr>
<tr>
<td>Ec 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>Ec 302</td>
<td>Money and Financial Institutions</td>
</tr>
<tr>
<td>Fn 215</td>
<td>Financial Management</td>
</tr>
<tr>
<td>Mk 261</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>Pd 275</td>
<td>Principles of Production and Inventory Control</td>
</tr>
<tr>
<td></td>
<td>One Finance elective</td>
</tr>
</tbody>
</table>

**Required Supporting Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs 009</td>
<td>Introduction to Data Processing</td>
</tr>
<tr>
<td>Ec 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

*May be waived under certain circumstances.

**Minor in Business Administration**

The minor in Business Administration requires the completion of 24 credits.
### Legal Administration Program

The Bachelor’s degree in Business Administration with an emphasis in Legal Administration, the first two years of which is the Legal Assistant program, is designed to train students to become legal administrators competent to handle a wide range of specialized responsibilities in the legal profession. The curriculum reinforces the contemporary approach to the practice of law which assigns managerial functions to a new category of paraprofessionals. This program requires the completion of 51 major credits plus seven credits in related fields.

#### Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Ac 101-102</td>
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<tr>
<td>Bu 202</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>Bu 231</td>
<td>Business Law I</td>
</tr>
<tr>
<td>Ec 201-202</td>
<td>Principles of Economics I, II</td>
</tr>
<tr>
<td>Mk 261</td>
<td>Principles of Marketing</td>
</tr>
</tbody>
</table>

#### Required Supporting Courses:

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<td>Introduction to Data Processing</td>
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<td>Ec 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

### Department of Office Administration

(Formerly Department of Professional Secretarial Science)

This Associate of Science degree program is designed to meet the needs of both those students who plan to terminate their education after two years and enter the secretarial managerial field as well as those who plan to continue their education toward a Bachelor’s degree.

The two-year program equips students with the professional skills that today’s business world requires at the executive secretarial/administrative level. The development of superior secretarial techniques, as well as a broad liberal arts background, provides the ability and confidence needed to meet the demands of the complex business community.

In addition to the basic secretarial courses that are required of all Office Administration majors, two areas of emphasis are available — Administrative Secretary and Information/Word Processing.

Prior to registration, placement tests will be given to those students who have had previous instruction in typing and shorthand. Students showing proficiency in these areas can substitute courses from other academic areas.

#### Required Courses:

**Major Core:**

All Office Administration students must take the following major core of courses, plus the required courses listed under one of the areas of emphasis:
Bu 021 Business English
Bu 103 Business: Its Nature and Environment
En 011 Freshman Rhetoric: Shorter Forms
Se 041 Typewriting I
Se 042 Typewriting II
Se 043 Typewriting III
Se 161 Introduction of Office Procedures
Se 163* Field Office Experience
Se 171 Office Automation I
Se 172 Office Automation II

Four liberal arts electives
Two Business electives

*With permission of Departmental Chairperson

**Administrative Secretary Emphasis:** In addition to the major core of courses required of all Office Administration students, those who choose the Administrative Secretary Emphasis must take the following courses:

Se 005 Speedwriting, or
Se 051 Shorthand I
Se 052 Dictation and Transcription
Se 151 Administrative Secretarial Procedures I
Se 152 Administrative Secretarial Procedures II

**Information/Word Processing Emphasis:** In addition to the major core of courses required of all Office Administration students, those who choose the Information/Word Processing Emphasis must take the following courses:

Se 070 Machine Transcripton
Se 173 Information Processing Procedures I
Se 174 Information Processing Procedures II

Plus one of the following:

Se 005 Speedwriting, or
Se 051 Shorthand I, or
One Elective

For those students who wish some familiarity with legal terms used within the context of various legal proceedings, Se 031 Legal Terminology is recommended.

Additionally, for those students who wish to develop knowledge and understanding of medical terminology and its general usage within various health services, Se 081 Medical Terminology is recommended.

A grade of C or better is required in Bu 021, En 011, and all secretarial and business courses. A grade point average of 2.0 or better is required for the degree.

**Business Education Program**

For those students who wish to become certified to teach business courses at the secondary school level, a baccalaureate degree program in Business Education with an emphasis in Secretarial Science is available. For complete information on this program, refer to the Business Education Program description in the Department of Education section of this catalog.
Division of Humanities and Social Sciences
Division of Humanities and Social Sciences

Dr. Donald W. Brodeur, Dean

The Division of Humanities and Social Sciences consists of those departments which offer a basis for a liberal arts education. The disciplines represented contribute to an appreciation of the value of creative and intelligent inquiry, an understanding of the value of the world’s vast storehouse of knowledge and how it can be retrieved and applied effectively to the current condition and a promotion of the value of the examined life including intellectual, social, spiritual, and psychological growth.

Education in the liberal arts will provide students with a broad perspective and valuable skills useful in the pursuit of advanced degrees or in a variety of careers.

Departments and Programs

Art and Music
Virginia Zic, Chairperson
Leland R. Roberts, Music Program Director

Education
Dr. Alfred G. Tufano, Chairperson
Dr. Lawrence M. Fenn, Graduate Education Program Director

English
Dr. David Curtis, Chairperson

History and Political Science
Dr. Paul SIFF, Chairperson
Dr. John F. Kikoski, Political Science Program Director

Media Studies
Dr. Donald E. Coonley, Chairperson

Modern Foreign Languages
Dr. Maria-Teresa Torreira Tenorio, Chairperson

Philosophy
Dr. Edward J. Bordeau, Chairperson

Psychology
Dr. Edward W. Malin, Chairperson

Religious Studies
Dr. Walter E. Brooks, Chairperson

Sociology, Social Work, and Criminal Justice
Dr. Nicole Xavier Cauvin, Chairperson; Acting Director, Criminal Justice Program
Sally E. Hollingsworth, Social Work Program Director

Master of Arts in Religious Studies
Dr. Walter E. Brooks, Program Director

Department of Art and Music

Through art and music there is direct access to the products of human intelligence and ingenuity. Creativity reflects and builds upon the past and projects into the future. Historical survey courses in art and music foster the ability to examine and evaluate creative achievements in the social and cultural milieu within which they were created. Special concentration in career areas prepare students toward a profession in Art. Applied Music and Studio Art courses are planned to foster the growth of individuality through experience in the making of art and music. These courses are a challenge to the perceptual and conceptual processes of creative expression.

The department offers a major and minor in Art with an emphasis in Graphic Design, Illustration, or Painting, and a minor in Music.

Major in Art

The major in Art requires the completion of 45 credits for students taking an emphasis in Graphic Design, and 42 credits for students taking an emphasis in Painting or Illustration. All Art majors are required to complete a major core of 18 credits, plus 24 to 27 credits in one of three areas of emphasis.
Required Courses:

**Major Core:** All Art majors are required to complete the following courses, and must also complete the course sequence in one of the areas of emphasis listed below:

- **Ar 101** Art in the Western World
- **Ar 110** Design: Visual Organization
- **Ar 111** Design: Color
- **Ar 120** Drawing I
- **Ar 201** Studies in Modern Art
- **Ar 220** Drawing II

**Emphasis in Graphic Design:** The graphic designer is a visual communicator. Design problems that present the image of companies, institutions, products, and individuals are effectively solved by the graphic designer. Their creative vision is expressed in the effective planning and execution of corporate identity programs, logos, annual reports, signage, promotional materials, point of sale items, architectural graphics, stationery, and other printed materials. In all instances, the designer must create images to which the public will respond and understand. In working with photographers, film makers and illustrators, the designer selects the best methods for the visual solutions to specific problems. The graphic design graduate can look forward to a stimulating career in the ever-broadening field of graphic and visual communication.

In addition to the required major core of courses, students who wish to take an emphasis in Graphic Design must also complete:

- **Ar 112** Design: Three-Dimensional Graphics
- **Ar 130** Painting I
- **Ar 131** Watercolor
- **Ar 211** Typography/Layout
- **Ar 212** Graphic Processes
- **Ar 260** Illustration I
- **Ar 270/271** Graphic Design I, II
- **Ar 370** Advanced Graphic Design
- **Ar 390** Portfolio Preparation

**Emphasis in Illustration:** The illustration profession affects all areas of visual communication including books, periodicals, educational aids, advertising, and television. Illustrators are part of a team. In their creative efforts they consult with writers, editors, art directors, and clients. Their creative work is generally reproduced through either the printed or electronic media, and their final project is achieved jointly with printers and/or film technicians. In this collaborative venture, the illustrator is the innovator and primary force for aesthetic quality. The emphasis in Illustration is planned to give a foundation in this vital field and enables the student to competently handle the numerous problems of this demanding profession.

In addition to the required major core of courses, students who wish to take an emphasis in Illustration must also complete:

- **Ar 112** Design: Three-Dimensional Graphics
- **Ar 130** Painting I
- **Ar 160** Illustration Methods
- **Ar 211** Typography/Layout
- **Ar 221** Drawing III
- **Ar 260** Illustration I
- **Ar 261** Illustration II
- **Ar 360** Illustration III
- **Ar 390** Portfolio Preparation

**Emphasis in Painting:** An artist communicates with a visual vocabulary the experience of living. With imagination and sensitivity, the artist visually conveys a personal response to nature and the environment. The personal and expressive insight of the artist moves and influences those who are receptive to this creative vision.

In preparing students for a career in the fine arts, emphasis is placed on the development of skills in painting and drawing. Through growth in aesthetic sensibility toward color and pictorial organization, the student learns to explore new possibilities of expression. The course of study not only examines traditional and experimental painting and drawing but also expands the student’s initiative, imagination and capacity for self-criticism.
The development of sensitivity and self-awareness are integral to the individual's realization of personal expression and the power of personal vision.

In addition to the required major core of courses, students who wish to take an emphasis in Painting must also complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ar 130</td>
<td>Painting I</td>
</tr>
<tr>
<td>Ar 221</td>
<td>Drawing III</td>
</tr>
<tr>
<td>Ar 230</td>
<td>Painting II</td>
</tr>
<tr>
<td>Ar 231</td>
<td>Painting III</td>
</tr>
<tr>
<td>Ar 320</td>
<td>Drawing IV</td>
</tr>
<tr>
<td>Ar 330</td>
<td>Painting IV</td>
</tr>
<tr>
<td>Ar 391</td>
<td>Senior Project</td>
</tr>
</tbody>
</table>

One course in studio electives

**Minor in Art**

The minor in Art requires the completion of 18 credits, which may be taken in one of three areas of emphasis.

**Emphasis in Graphic Design**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ar 110</td>
<td>Design: Visual Organization</td>
</tr>
<tr>
<td>Ar 111</td>
<td>Design: Color</td>
</tr>
<tr>
<td>Ar 112</td>
<td>Design: Three-Dimensional Graphics</td>
</tr>
<tr>
<td>Ar 211</td>
<td>Typography/Layout</td>
</tr>
<tr>
<td>Ar 212</td>
<td>Graphic Processes</td>
</tr>
<tr>
<td>Ar 270</td>
<td>Graphic Design I</td>
</tr>
</tbody>
</table>

**Emphasis in Illustration**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ar 110</td>
<td>Design: Visual Organization</td>
</tr>
<tr>
<td>Ar 111</td>
<td>Design: Color</td>
</tr>
<tr>
<td>Ar 120</td>
<td>Drawing I</td>
</tr>
<tr>
<td>Ar 160</td>
<td>Illustration Methods</td>
</tr>
<tr>
<td>Ar 220</td>
<td>Drawing II</td>
</tr>
<tr>
<td>Ar 260</td>
<td>Illustration I</td>
</tr>
</tbody>
</table>

**Emphasis in Painting**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ar 110</td>
<td>Design: Visual Organization</td>
</tr>
</tbody>
</table>

**Music Program**

The condition of today's music is radically changed from that of all previous ages. This change is the work of scientists and technicians, not composers and performers. Through electronic media, music has become immediately accessible to almost everyone, not only the songs of modern troubadours, but also the accents of distant drummers, speaking from far off lands and ages. In a sense, all music, however close or remote its origins in time and space, has become our music. We seek to engage it, to open our minds and spirits to its language and emotion, to range through its vast, polyglot treasures, and thus to become more fully one with the humanity which continually amplifies our cultural heritage.

**Minor in Music**

The minor in Music requires the completion of 21 credits.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mu 111</td>
<td>Music in Western Civilization</td>
</tr>
<tr>
<td>Mu 112</td>
<td>Music in America</td>
</tr>
<tr>
<td>Mu 121-122</td>
<td>Musicianship I, II</td>
</tr>
</tbody>
</table>

One course in Music History or Literature

Three credits in Applied Music*

Three credits in Performing Ensembles

*The student should note that applied music credits fulfill elective, not core requirements. Any applied music course may be repeated for credit, but no more than six credits total may be applied toward graduation. A student may take no more than two applied music credits per semester in private lessons (Mu 131/132).
Department of Education

The Department of Education at Sacred Heart University offers students a professional curriculum approved by the State of Connecticut for provisional certification as elementary and secondary school teachers. Special training is offered within the certification sequence in Nursery School/Day Care. The Department offers a graduate program leading to provisional certification at the elementary and secondary school levels, and a Master of Arts in Teaching. Courses may be taken also for general professional development.

On the undergraduate level, the Business Education Program with a concentration in Secretarial Science is the only major available in the Department of Education. In all other areas prospective teachers must major in an academic discipline in addition to taking the teaching certification sequence. Thus teacher graduates enter the job market with more than one skill. Certified teachers with a degree from Sacred Heart possess a solid academic background and a high level of professional competence.

At Sacred Heart, training is focused upon the personal growth of the teacher, enhancement of a positive self-image and the social and emotional qualities conducive to teacher effectiveness. Students receive training in those teaching skills based on the best current research.

Elementary and secondary education programs have been approved by the State of Connecticut. The elementary education program prepares teachers for certification in nursery school through eighth grade. The secondary education program provides a background for certification in grades seven through twelve within the areas of business education, English, history and social studies, mathematics, biology, chemistry, general science or Spanish.

Admissions Requirements

In January, 1984, the Connecticut State legislature mandated special admission requirements for teacher preparation programs for all students seeking admission in the spring 1985 semester and thereafter. The State-mandated skills examination, described in item #1 below, was piloted in the spring of 1985 and will be finalized in the fall of 1985. Therefore, prior to the fall of 1985, students who do not qualify for exemption from the State-mandated test, according to the stipulation described in item #1 below, will be admitted into the program on a conditional basis. Upon completion of the test with a passing grade (to be determined by the State), the student will be formally admitted.

Dates, times, and places designated by the State Department of Education of the State-mandated test will be published by the office of the Department Chairperson.

Sacred Heart University strictly follows all state regulations regarding teacher preparation programs. Therefore, all students must meet the following State-mandated entrance requirements:

1. Pass the State-mandated skills examination in mathematics, reading, and writing, or present a combined score of 1000 on the SAT with at least a score of 400 points on both the verbal and the mathematics sections respectively or pass a similar test of a state with which Connecticut has reciprocity agreements.

2. Have at least a 2.5 grade point average for all undergraduate courses.

3. Have an educational background including arts and humanities, mathematics/science/technology, social and behavioral sciences, health and physical education.

4. Present an essay demonstrating a command of the English language and setting out the reasons for wanting to enroll in the program and emphasizing experience relevant to teaching.

5. Present at least two letters of recommendation from persons able to testify to the candidate’s suitability as a prospective teacher.

6. Have an interview by members of the De-
part of Education to assess the candidate’s personal attributes which will affect his/her performance in teaching.

**Elementary School Certification Program**

The program for Elementary School Certification requires the completion of 36 credits, in addition to those required in the student’s major.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed 101</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>Ed 152</td>
<td>Education in the United States</td>
</tr>
<tr>
<td>Ed 202</td>
<td>Developmental Psychology for Teachers</td>
</tr>
<tr>
<td>Ed 203</td>
<td>Personal and Professional Effectiveness</td>
</tr>
<tr>
<td>Ed 204</td>
<td>Tests and Measurements</td>
</tr>
<tr>
<td>Ed 205</td>
<td>Education of Special Needs Students</td>
</tr>
<tr>
<td>Ed 221</td>
<td>Methods of Teaching Reading and Language Arts</td>
</tr>
<tr>
<td>Ed 222</td>
<td>Methods of Teaching Mathematics</td>
</tr>
<tr>
<td>Ed 223</td>
<td>Methods of Teaching Social Studies, Science, and Health</td>
</tr>
<tr>
<td>Ed/En 387</td>
<td>Children’s Literature</td>
</tr>
<tr>
<td>Ed 391</td>
<td>Elementary Student Teaching</td>
</tr>
</tbody>
</table>

**Emphasis in Early Childhood Education:** In addition to the courses required for the Elementary School Certification Program, students who wish to teach at the early childhood level are also required to take the following courses, totaling nine credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed 206</td>
<td>Models of Early Childhood Programs</td>
</tr>
<tr>
<td>Ed 249</td>
<td>Curriculum in Early Childhood</td>
</tr>
<tr>
<td>Ed 250</td>
<td>Creative Play, Movement, and Arts for Early Childhood</td>
</tr>
</tbody>
</table>

**Secondary School Certification**

The program for Secondary School Certification requires the completion of 35 credits, in addition to those required in the student’s major.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed 101</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>Ed 152</td>
<td>Education in the United States</td>
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<tr>
<td>Ed 202</td>
<td>Developmental Psychology for Teachers</td>
</tr>
<tr>
<td>Ed 203</td>
<td>Personal and Professional Effectiveness</td>
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<td>Ed 204</td>
<td>Tests and Measurements</td>
</tr>
<tr>
<td>Ed 205</td>
<td>Education of Special Needs Students</td>
</tr>
<tr>
<td>Ed 207</td>
<td>Discipline and Classroom Management</td>
</tr>
<tr>
<td>Ed 271</td>
<td>Computer Literacy</td>
</tr>
<tr>
<td>Ed 272</td>
<td>Health in Youth</td>
</tr>
<tr>
<td>Ed 342</td>
<td>Teaching Reading and Writing in Content Areas</td>
</tr>
<tr>
<td>Ed 395</td>
<td>Secondary Student Teaching</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Ed 262</td>
<td>Secondary Methods: English</td>
</tr>
<tr>
<td>Ed 263</td>
<td>Secondary Methods: History and Social Studies</td>
</tr>
<tr>
<td>Ed 264</td>
<td>Secondary Methods: Spanish</td>
</tr>
<tr>
<td>Ed 265</td>
<td>Secondary Methods: Business</td>
</tr>
<tr>
<td>Ed 266</td>
<td>Secondary Methods: Mathematics</td>
</tr>
<tr>
<td>Ed 267</td>
<td>Secondary Methods: Science</td>
</tr>
</tbody>
</table>

**Business Education Program**

The major in Business Education is available in a Secretarial Science emphasis. Students may enroll: a) as Freshmen, following the Curriculum outlined below; or b) as Juniors, after completing the Associate degree program in the Department of Office Administration. These students must see an advisor in the Department of Education for an updated plan of study to meet all requirements for certification.

Students in other areas of concentration in the Division of Business Administration who wish to become high school Business Education teachers must take the professional secondary certification sequence, in addition
to their major in Business. They are required, however, to make up for deficiencies in training (e.g., Typing, Word Processing) appropriate for the high school Business Education curriculum.

**Required Courses:** (127 credits)

**Liberal Arts Core** (57 credits)

In accordance with State regulations for certification and to complete the Business Education requirements, the following courses must be chosen among the other requirements of the Liberal Arts Core:

- **Area A**
  - Mt 008 Mathematics for Decision Making (In place of Mt 001)
  - Mt 014 Calculus for Decision Making (B.S. Requirement)

- **Area B.I**
  - Hi 121 U.S. History to 1865, or
  - Hi 122 U.S. History since 1865

- **Area B.II**
  - Ec 201 Principles of Economics I
  - So 101 Principles of Sociology
  - So 260 American Minorities

- **Area B.III**
  - Cs 009 Introduction to Data Processing

**Required Courses in Business Administration Education** (36 credits)

- Ac 101-102 Principles of Accounting I, II
- Bu 021 Business English
- Bu 103 Business: Its Nature and Environment
- Bu/Ca 221 Business Communications
- Bu 231 Business Law I
- Se 041-042 Typewriting I, II
- Se 051 Shorthand I, or
- Se 005 Speedwriting
- Se 052 Dictation and Transcription
- Se 161 Introduction to Office Procedures
- Se 171 Office Automation I

Students without previous instruction in shorthand and typing must take Typewriting I (Se 041) and Shorthand I (Se 051). Those with typing and shorthand instruction on the high school level may be exempt from Se 041, Se 042, Se 051 and/or Se 052 as a result of a proficiency examination administered by the office of the Chairperson or the Department of Office Administration. Students granted exemptions are required to substitute courses from among the following with the advice and consent of the advisor:

- Bu 201 Organization Management
- Bu/Ph 257 Business Ethics
- Mk 261 Principles of Marketing
- Se 151-152 Administrative Secretarial Procedures I, II
- Se 172 Office Automation II

These courses are recommended, but not required, for all Business Education majors.

**Education Courses** (34 credits)

Students in Business Education must take the Secondary Certification sequence. Since they are required to take Cs 009, Introduction to Data Processing, as part of the Liberal Arts Core, they are exempt from Ed 271, Computer Literacy.

**Department of English**

The study of literature concerns itself with writers' attempts to define through work and image their personal lives and the world they inhabit. Literary works are expressions of artistic ingenuity, statements on the human condition, and reflections of the cultural conditions under which they are produced.

In the literature program, you will explore literature from the ancient to the modern, and at the same time, strengthen your communications skills. A wide variety of writing, speech/communications, and drama courses will help you develop your personal style of expression.

With the assistance of a major advisor, you will work out a program of studies that reflects your interests. Specific course sequences within the major and its five concentrations will prepare you for graduate school, for the professions (teaching, law,
medicine), for business and industry (advertising, company writing, editing, personnel relations, press relations, sales), and, in conjunction with the Media Studies Department, for the arts (acting, radio-TV, journalism, and cinema).

In addition to the major core required of all English majors, the Department of English has five areas of emphasis leading to majors in English. Along with the traditional literature major, the Department offers an English major with an emphasis in writing, drama, communications, or a generalist concentration.

Students majoring in other disciplines may minor in the areas of literature, writing, or drama.

**Major in English**

The major in English requires the completion of 36 credits, and is organized to include the major core of 21 credits, plus 15 credits taken in one of five areas of emphasis.

**Required Courses:**

*Major Core:* All English majors are required to take the following major core of courses, and must also complete one of the areas of emphasis listed below:

- **En 265** Shakespeare
- **Ms 101** Media: The Extensions of Man

*One course from each of the following literary periods in British and American literature:*

- **Earlier British Literature through Seventeenth Century British Literature:**
  - **En 310** British Literature to 1603, or Seventeenth Century British Literature
  - **En 312** Restoration and Eighteenth Century British Literature, or The Romantic Period in British Literature

- **Late Seventeenth Century British Literature through The Romantic Period:**
  - **En 313** Restoration and Eighteenth Century British Literature, or The Romantic Period in British Literature

- **The Victorian Period through Twentieth Century British Literature:**
  - **En 315** The Victorian Period in British Literature, or Twentieth Century British Literature

- **Earlier American Literature:**
  - **En 250** Literature in a New Land: Early American Literature, or
  - **En 255** Early American Black Literature, or
  - **En 256** The Flowering of New England

- **Mid-Nineteenth Century through Twentieth Century American Literature:**
  - **En 257** From Dickinson to Eliot: Out of the Woods and into the Wasteland, or
  - **En 258** Faulkner to the Present

**Emphasis in Literature:** In addition to the required major core of courses, students who wish to take an emphasis in Literature must also take:

**Five courses from the following:**

- **En 170-179** Studies in Writing: Special Topics
- **En 201** Masterpieces of Literature
- **En 206-207** Studies in Language: Special Topics
- **En 230-239** Studies in Drama: Special Topics
- **En 280-289** Studies in World Literature: Special Topics
- **En 320-329** Studies in Poetry: Special Topics
- **En 340-349** Studies in Fiction: Special Topics
- **En 370-379** Studies in Writing: Special Topics
- **En 384-385** Studies in Black Literature: Special Topics
- **En 387-388** Studies in Children’s Literature: Special Topics
- **En 390** Studies in Literary Criticism: Special Topics
Students taking an emphasis in Literature are urged to elect advanced studies in related disciplines such as Fine Arts, Media Studies, History, Psychology, Philosophy, and Religious Studies. Two points should be kept in mind when selecting electives from other disciplines: (a) such courses should help develop a well-rounded, liberally-educated person; and (b) such courses should coincide with the student’s career objectives.

**Emphasis in Writing:** In addition to the major core courses, students who wish to take an emphasis in Writing must also take:
- En 375 Advanced Composition
- Four “Studies in Writing” courses

**Emphasis in Drama:** In addition to the required major core courses, the student who wishes an emphasis in Drama must also take:
- Ca 141 Introduction to the Theater
- Ca 161 Theater History I, or Ca 162 Theater History II
- Ca 275 Drama Practicum I, or Ca 375 Drama Practicum II
- Two courses from the following:
  - Ca 151 Story Theater Workshop
  - Ca 171-271 Acting I, II
  - Ca 273-274 Drama Workshop
  - Ca 275-375 Drama Practicum I, II
  - Ca 280 Oral Interpretation of Literature
- En 230-239 Studies in Drama: Special Topics

The emphasis in Drama provides a suitable minor to complement Education, Psychology, Media Studies, and other majors.

**Emphasis in Communications:** In addition to the required major core courses, the student who wishes an emphasis in Communications must also take:
- Ca 121 Advanced Effective Communications
- Four courses from the following:
  - Ca 131 Interpersonal Communications
  - Ca 171 Acting I
  - Ca 221 Business Communication
  - Ca 261 Public Speaking
  - Ca 270 Non-Verbal Communication
  - Ca 280 Oral Interpretation of Literature
- En 375 Advanced Composition

**Generalist Emphasis:** In addition to the required major core courses, the students desiring a Generalist emphasis must take any five English or Communications courses listed under the four areas of emphasis presented above.

The Generalist emphasis allows the student who wishes to major in English, but is not ready to concentrate on a particular area, to sample a wide variety of what the discipline offers in areas of literature, writing, drama, and oral communications.

**Minor in English**

A minor in English is an excellent selection for students in other career-oriented programs. For example, effective writing is a highly marketable skill in business, industry, government, or the arts. And a knowledge of the creative and technical aspects of drama is a useful credential for students majoring in such fields as Education, Psychology, and Media Studies.

The minor in English requires the completion of 18 credits in one of the three following areas of emphasis:

**Emphasis in Literature**

**Required Courses:**
- Two courses in British Literature
- One course in American Literature
Three courses in Literature at the 200 level or higher

Emphasis in Writing
Required Courses:
En 375 Advanced Composition

Four courses in Studies of Writing
One course in Literature at the 200 level or higher

Emphasis in Drama
Required Courses:
Ca 141 Introduction to the Theater
Ca 161 Theater History I, or
Ca 162 Theater History II
Ca 275 Drama Practicum I, or
Ca 375 Drama Practicum II
En 265 Shakespeare

Two courses selected from the following:
Ca 151 Story Theater
Ca 171-271 Acting I, II
Ca 273-274 Drama Workshop I, II
Ca 275-375 Drama Practicum I, II
Ca 280 Oral Interpretation of Literature
En 230-239 Studies in Drama: Special Topics

Elementary English Education Certification Program
Required Courses:
En 207 Studies in Language: Introduction to English Language Study
En 375 Advanced Composition
En 387 Children’s Literature

Secondary English Education Certification Program
Required Courses:
Ed 262 Methods of Teaching English on the Secondary Level
Ed 342 Teaching Reading and Writing in Content Areas

En 207 Studies in Language: Introduction to English Language Study
En 375 Advanced Composition
En 388 Young Adult Literature

Department of History and Political Science

The Department of History and Political Science aims to provide students with a comprehension of the permanent values and ideas of society and government that have survived the tests of time. Courses are designed to stimulate the inquiring mind and cultivate the critical insight of the student.

Major in History

History opens doors to many career possibilities. Although teaching has been a frequent goal in the past, history majors have excellent preparation for careers in law, politics, business, government, journalism, foreign service, curatorship, and many others. The analytical ability to think and solve problems, and the breadth of knowledge which a major in history provides, are qualities sought in today’s world.

Those who pursue a study of history acquire not only knowledge but also skills in research, analysis, judgement of evidence and in the organization and expression of ideas.

The major in History requires the completion of 33 credits.

Required Courses:
Hi 001 Western Civilization to 1715, or
Hi 002 Western Civilization since 1715
Hi 121 United States History to 1865
Hi 122 United States History since 1865
Hi 201 Historical Method and Criticism
Hi 398 Senior Seminar
Six History electives
Minor in History
The minor in History requires the completion of 18 credits.

Required Courses:
Three courses selected from the following:
Hi 001 Western Civilization to 1715
Hi 002 Western Civilization since 1715
Hi 121 United States History to 1865
Hi 122 United States History since 1865

Three History electives

Major in Political Science
A knowledge of government and politics is crucial for all those who wish to participate as citizens, to vote with perception, and thereby to preserve the heart and core of democracy as well as their own freedom in our society.

The Political Science curriculum at Sacred Heart University is designed to awaken an understanding and appreciation for government and politics in the broadest sense. Courses are offered in the four major areas of the discipline: American Politics, International Politics, Comparative Politics, and Political Philosophy and Theory. In addition to normal course offerings, the Department regularly sponsors speakers, conferences, and trips to take the student out of the classroom and to offer additional, valid avenues for learning. Student internships in the offices of elected officials, public administrators and others are also encouraged.

Students who major or minor in Political Science receive sound preparation for future careers in law, elective or administrative public service, teaching, international affairs, business management, and journalism.

The major in Political Science requires the completion of 30 credits.

Required Courses:
Po 121 Introduction to American Government
Po 122 Introduction to International Relations

One course from the following Comparative Politics Courses:
Po 231 Comparative European Politics
Po 233 Comparative Asian Politics
Po 234 Politics of the Middle East
Po 305 Political Profiles: Hitler, Stalin, Mao, and Tito

One course from the following Political Philosophy and Theory Courses:
Po 301 Development of Ancient and Medieval Political Theory
Po 302 Development of Modern Political Theory

Six Political Science electives

Minor in Political Science
The Minor in Political Science requires the completion of 18 credits.

Required Courses:
Po 121 Introduction to American Government
Po 122 Introduction to International Relations

Four Political Science electives

Department of Media Studies
Media Studies is an innovative program offering a major which combines the study of communications theory and technology with the liberal arts.

The program recognizes the fact that the student must be technologically competent and understanding of the historical, social, and philosophical aspects of media. The student concentrating in Media Studies examines the theories behind contemporary communication in journalism, broadcasting, and film. Media workshops aimed at developing basic competence in communication production
are viewed as an integral part of the program.

**Major in Media Studies**

The major in Media Studies requires the completion of 48 credits.

**Required Courses:**

- Ms 101 Media: The Extensions of Man
- Ms 191 History of the Motion Picture I, or Ms 192 History of the Motion Picture II
- Ms 201 Kinetics: Studies in the Moving Image
- Ms/En 214 News Writing and Reporting
- Ms 301 Reading Seminar in Mass Communications
- Ms/En 375 Advanced Composition
- Ms 397 Senior Project

One approved course in literature at the 200 level or higher

*Five courses from the following Production courses:*

- Ms 212-312 Radio Production I, II
- Ms 213-313 Video Production I, II
- Ms 215-315 Film Production I, II
- Ms 216-316 Photography Production I, II
- Ms 325 Electronic Journalism II
- Ms 333 Scriptwriting
- Ms 370 Newspaper Publication
- Ms 395 Media Practicum
- Ms 396 Internship

Other Department-designated and approved courses

*Three courses from the following Theory courses:*

- Ms 193 Telecommunications: History, Principles, and Practices
- Ms 200 Mass Media: Special Subjects
- Ms 293 Video as Art
- Ms 294 Magazine Publication
- Ms 295 Electronic Journalism I
- Ms 296 Media as Advertising
- Ms 297 Public Relations: An Overview
- Ms 298 Public Relations: Practical Applications
- Ms 371 Images of War in Film and Video
- Ms 381 The Images of Women in Film
- Ms 391 Film Seminar
- Ms 392 Film Genres

A Media Studies advisor may prescribe and approve alternatives.

**Minor in Media Studies**

The minor in Media Studies requires the completion of 18 credits.

**Required Courses:**

- Ms 101 Media: The Extensions of Man
- Ms 201 Kinetics: Studies in the Moving Image, or Ms 301 Reading Seminar in Mass Communications
- Two courses in the area of Production
- One Media Studies elective
- One course in genre literature

**Department of Modern Foreign Languages**

The Department aims to develop in the student a facility in reading and an ability to converse in the language studied so that he will be encouraged to continue study of the language in later life. It also seeks to develop a knowledge of the literature, history, culture and psychology of the people whose language is studied. A variety of courses in Spanish language and literature is offered for both Spanish majors and non-majors. Minor programs are offered in French, Italian, and Spanish. Additional courses are offered in
Arabic, Chinese, French, Gaelic, German, Hebrew, Hungarian, Italian, Japanese, Lithuanian, Polish, Portuguese, Russian, Slovak, Spanish, and Ukrainian. All Modern Language students must attend regular lab classes weekly, and in order to become more proficient orally and aurally, they may avail themselves of the facilities after regular class hours. The lab is considered to be the most modern available and it will prove to be a very valuable adjunct to linguistic methodology. Study abroad is desirable and is made available to those who are able to participate.

**Major in Spanish**
The major in Spanish requires the completion of 33 credits.

**Required Courses:**
- Sp 101-102 Advanced Spanish Grammar and Composition I, II
- Sp 201-202 Spanish Literature I, II
- Sp 280-281 Hispanic Civilization I, II
- One course in Spanish American Literature
- One course in Conversational Spanish at the 200 level or higher
- Three Spanish electives

**Minor in French**
The minor in French requires the completion of 18 credits.

**Required Courses:**
- Fr 051-052 Intermediate French I, II (may be waived by the department)
- Fr 101-102 French Grammar and Composition I, II, or
- Fr 111-112 Conversational French I, II, or
- Fr 215-216 French Readings and Discussion I, II

**Minor in Italian**
The minor in Italian requires the completion of 18 credits.

**Required Courses:**
- It 051-052 Intermediate Italian I, II (may be waived by the department)
- It 101-102 Italian Composition and Grammar I, II, or
- It 111-112 Conversational Italian I, II, or
- It 215-216 Italian Readings and Discussion I, II

**Minor in Spanish**
The minor in Spanish requires the completion of 18 credits.

**Required Courses:**
- Sp 051-052 Intermediate Spanish I, II (may be waived by the department)
- Sp 101-102 Advanced Spanish Grammar and Composition I, II

The balance of credits to be chosen from advanced courses.

**Department of Philosophy**
The Department of Philosophy services the academic community in a three-fold way. Since the University considers the philosophical experience as integral to the intellectual and cultural development of today’s student, the department provides foundation courses that satisfy core requirements in Area B. IV. Its broad range of electives, dealing with historical movements as well as contemporary problems, allows for a major in philosophy and makes available a variety of electives of an interdisciplinary nature.

In whatever way the student comes to philosophy, whether it be to satisfy a core, major or elective requirement, the department seeks to enrich the life experience by making available the broad and generous ideas that have shaped the contemporary intellectual world. Awareness of the traditional philosophical forces of the past is a condition for understanding the ideological trends of today.

In our increasingly complex and dynamic
culture, the growth of novel and changing ideas unsettle traditional patterns of thought and action. As a result, the role of philosophy becomes more vital, for it addresses itself to the conflict between the enduring insights of the past and the new discoveries and theories of the present in an attempt to attain a coherent philosophy of life. The ability to understand, manipulate, and control these broad theories is a prerequisite to structuring for oneself a coherent and consistent world-view that will give direction and meaning to one's behavior, both intellectual and moral.

Major in Philosophy
The major in Philosophy requires the completion of 30 credits.

Required Courses:
- Ph 101 Introduction to the Problems of Philosophy
- Ph 211 Formal Logic, or Ph 212 The Art of Making Sense: Practical Logic
- Ph 231 Philosophy of Knowledge
- Ph 251 Ethics
- Six Philosophy electives

Recommended Courses:
- Ph 225 Plato
- Ph 270 Philosophical Anthropology
- Ph 306 Existentialism
- Ph 307 Introduction to Phenomenology
- Ph 312 Philosophical Foundations of Marxism
- Ph 322 American Philosophy and Culture

Minor in Philosophy
The minor in Philosophy requires the completion of 18 credits.

Required Courses:
- Ph 101 Introduction to the Problems of Philosophy

Five Philosophy electives at the 200 level or higher.

Department of Psychology
It is the goal of the Psychology Department to provide its students with a basic foundation in the scientific study of behavior. Such a background will be of value to two groups of students: those who intend to enter the employment market after completion of the Baccalaureate degree and those who wish to further their education through graduate study and pursue a career in psychology or a related field.

A broad spectrum of courses ranging from Psychodynamics to Experimental Psychology is offered by the department, and, in addition to completing the required courses, students may take those electives which interest them and for which they have completed the necessary prerequisites. Independent laboratory research, programs in field experience, and contemporary seminars are also available to qualified students in their senior year.

Major in Psychology
The major in Psychology requires the completion of 33 credits.

Required Courses:
- Ps 101 General Psychology - Scientific Aspects
- Ps 102 General Psychology - Psychodynamics
- Ps 151 Statistics for the Behavioral Sciences
- Ps 152 Research Design and Analysis
- Ps 260-269 Experimental Psychology (two courses)
- Ps 292 Systems and Theories of Psychology
- Ps 351 Physiological Psychology
- Ps 396 Field Experience in Psychology

Two Psychology electives, neither one of
which may be an experiential course.

**Minor in Psychology**

The minor in Psychology requires the completion of 18 credits.

**Required Courses:**

- Ps 101 General Psychology: Scientific Aspects
- Ps 102 General Psychology: Psychodynamics
- Ps 292 Systems and Theories of Psychology

Three Psychology electives. NOTE: Only one experiential course (Ps 141, Ps 142, Ps 181, Ps 345, or Ps 396) may be applied to the minor.

**Department of Religious Studies**

The Religious Studies Department offers a program that invites the student to enter into a process of reflection on his/her own experience at the deepest level. From this standpoint the student is encouraged to investigate a broad range of religious expressions representative of the human attempt to come to terms with questions of ultimate significance. Through this reflection, it is hoped that the student will be able to engage in a critical dialogue with his/her own religious tradition and self-understanding.

Throughout the history of culture, religion has played an enormous role in shaping and determining human actions, perceptions, and institutions. Consequently, the failure to explore the religious dimension of human experience must render that experience largely incomprehensible. None of the disciplines traditionally classified under the rubric of the "humanities" can afford to ignore the basic religious questions, and religious studies itself occupies a central position among these disciplines.

Humanistic in its orientation, the study of religion relies partially on the social sciences for its methodological apparatus. The student of religion must learn to play the roles of the anthropologist, sociologist, and psychologist as well as the philosopher, historian, and literary critic. Specific courses in the program examine the various symbols and myths, rituals and creeds, events and institutions that illuminate the religious imagination and understanding. In addition, the student is encouraged to investigate the cultural interaction between religion and both the natural sciences and the arts. Methodologically and topically diverse, the program is unified by its commitment to the task of exploring the basic religious beliefs and insights that render human life and experience meaningful.

**Major in Religious Studies**

The major in Religious Studies requires the completion of 30 credits.

**Required Courses:**

- Rs 101 Introduction to the Study of Religion

Nine Religious Studies electives selected in consultation with a Religious Studies advisor.

**Minor in Religious Studies**

The minor in Religious Studies requires the completion of 18 credits.

**Required Courses:**

- Rs 101 Introduction to the Study of Religion

Five Religious Studies electives selected in consultation with a Religious Studies advisor.

**The Department of Sociology, Social Work, and Criminal Justice**

The Department of Sociology, Social Work, and Criminal Justice offers a varied selection of courses in Sociology, Social Work, Anthropology, and Criminal Justice. In addition
to its overall liberal arts education emphasis, the department offers specific programs of professional preparation in Social Work, specialized sociological areas, and Criminal Justice.

**Major in Sociology**

All Sociology majors must complete a minimum of 30 credits in Sociology and 3 credits in Anthropology (An 101 or An 102).

Sociology majors must choose an emphasis in one of the following areas: General Sociology, Corporate Sociology, Social Research, or Graduate Work Preparation.

The area of General Sociology is intended for students who desire a broad knowledge of the field and for those students who plan to enter the field of elementary or secondary education.

The Corporate Sociology emphasis is designed for students interested in the use of sociological knowledge in the business world. The focus of study is the impact of the corporation on our social system and how the social system affects the daily operations and structure of the contemporary corporation.

In the Social Research emphasis, adequate training is given to students interested in the fields in which methods of social research are applied, such as program evaluation, community planning, surveys of public opinion, and pure and applied research.

Students who plan on attending graduate school receive a general preparation in the Graduate Work Preparation emphasis with a focus on theory, research methods, and statistical analysis. This area is oriented primarily for students who want to pursue a career in sociology, especially a teaching career which requires at least a masters degree, or students who want to pursue a graduate degree in law, business, the human sciences, the humanities, or any other related fields. In general, this emphasis is an excellent preparation for taking the GRE, LSAT, or other graduate entrance exams.

**Required Courses:**

**Major Core:** All Sociology majors are required to take the following courses, and must also complete the course sequence in one of the areas of emphasis listed below.

- An 101 Physical Anthropology, or An 102 Cultural Anthropology
- So 101 Principles of Sociology
- So 291-391 Methods of Social Research I, II
- So 303 Sociological Theories
- So 321 Contemporary Social Thought

Four courses in the related fields* of Anthropology (other than An 101 or An 102), Psychology, Political Science, Economics, or History, with no more than two courses in any one field.

*Students in the Corporate Sociology emphasis substitute four courses in the fields of Human Resources and Business.

**General Sociology Emphasis:** In addition to the required major core courses, students who choose the General Sociology emphasis must take two courses from the following:

- So 206 Society and Economic Issues of the 80's
- So 215 Social Psychology: Macro-processes
- So 219 Social Change
- So 231 Marriage and the Family
- So 260 American Minorities
- So 281 Demography
- So 328 Complex Organizations

**Corporate Sociology Emphasis:** In addition to the required major core courses, students who choose the Corporate Sociology emphasis must take the following courses:

- Bu 301 Business Policy, or
- Bu 382 Business Forecasting
- Hr 207 Management of Human Resources
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hr 209</td>
<td>Development of Human Resources</td>
</tr>
<tr>
<td>Hr 233</td>
<td>Human Resources: The Legal Environment</td>
</tr>
<tr>
<td>So 328</td>
<td>Complex Organizations</td>
</tr>
<tr>
<td>So 390</td>
<td>Social Statistics</td>
</tr>
<tr>
<td>So 393</td>
<td>Seminar in Corporate Sociology</td>
</tr>
</tbody>
</table>

**Social Research Emphasis:** In addition to the required major core courses, students who choose the Social Research emphasis must take the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs 011</td>
<td>A First Course in Computer Science</td>
</tr>
<tr>
<td>So 390</td>
<td>Social Statistics</td>
</tr>
<tr>
<td>So 395</td>
<td>Internship in Social Research</td>
</tr>
</tbody>
</table>

Three courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>So 206</td>
<td>Society and Economic Issues of the 80's</td>
</tr>
<tr>
<td>So 215</td>
<td>Social Psychology: Macroprocesses</td>
</tr>
<tr>
<td>So 219</td>
<td>Social Change</td>
</tr>
<tr>
<td>So 231</td>
<td>Marriage and the Family</td>
</tr>
<tr>
<td>So 260</td>
<td>American Minorities</td>
</tr>
<tr>
<td>So 281</td>
<td>Demography</td>
</tr>
<tr>
<td>So 328</td>
<td>Complex Organizations</td>
</tr>
</tbody>
</table>

**Graduate Work Preparation Emphasis:** In addition to the required major core courses, students who choose the Graduate Work Preparation emphasis must take the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>So 390</td>
<td>Social Statistics</td>
</tr>
</tbody>
</table>

Five courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>So 185</td>
<td>Social Stratification</td>
</tr>
<tr>
<td>So 215</td>
<td>Social Psychology: Macroprocesses</td>
</tr>
<tr>
<td>So 219</td>
<td>Social Change</td>
</tr>
<tr>
<td>So 231</td>
<td>Marriage and the Family</td>
</tr>
<tr>
<td>So 260</td>
<td>American Minorities</td>
</tr>
<tr>
<td>So 275</td>
<td>Deviance and Social Control</td>
</tr>
<tr>
<td>So 281</td>
<td>Demography</td>
</tr>
</tbody>
</table>

**Major in Sociology**

The minor in Sociology requires the completion of 18 credits.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>An 102</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>So 101</td>
<td>Principles of Sociology</td>
</tr>
</tbody>
</table>

Four Sociology electives

**Major in Social Work**

(Baccalaureate degree program accredited by the Council on Social Work Education.)

Social Work is both a profession and a method of helping. Social Work is a profession which works with individuals, families, groups, and the community in order to help maximize their well-being through the identification of personal, interpersonal, and environmental problems and to bring about the necessary change that will resolve, minimize, or prevent these problems. The emphasis in this profession is not only on the solution or prevention of problems, but also on the process of empowering people to act effectively in their own behalf. As a method of helping, social work is the purposeful, systematic, and disciplined use of the professional self through the application of social work knowledge, skills, and values to facilitate development and change in individuals or larger systems.

The curriculum is designed to emphasize the acquisition by students of both analytic and conceptual skills as well as the development of interactional skills which allow students to actively implement planned change and to intervene in problem situations.

Elective courses in various fields of service may be offered from time to time.

The major in Social Work requires the completion of 51 credits.

Social Work students are advised to take Bi 010 or Bi 033, Po 121 or Po 213, Ps 101, and So 206 as part of their required Baccalaureate Core, since they are prerequisites for certain Social Work courses.
Required Courses:

So 101  Principles of Sociology
So 215  Social Psychology: Macroprocesses
So 260  American Minorities
Sw 101  Introduction to Social Work
Sw 265  Social Welfare as a Social Institution
Sw 266  Social Welfare Policy and Services
Sw 267-268  Human Behavior and the Social Environment I, II
Sw 275-375  Social Work Practice I, II
Sw 278  Junior Field Practicum
Sw 279  Junior Field Practicum Seminar
Sw 378  Senior Field Practicum I
Sw 379  Senior Field Practicum Seminar I
Sw 380  Senior Field Practicum II
Sw 381  Senior Field Practicum Seminar II
Sw 390  Research Methods for Social Work

Major in Criminal Justice

The Criminal Justice Program is designed to acquaint students with the criminal justice system as a whole, which consists of public and private police, courts, and corrections. It is a career-oriented program, with emphasis on the liberal arts, offering students the choice of a B.A. or B.S. degree. The course of study will enable graduates to pursue careers in law enforcement, correctional security and counseling, probation, parole, court administration, personnel management in various criminal justice agencies, and private security. The program also prepares students to enter law school or graduate school in the social and behavioral sciences. It provides an excellent opportunity to criminal justice personnel, community and junior college graduates, and high school graduates to obtain a bachelor’s degree in criminal justice. Applicants who have successfully completed municipal, state or FBI training may apply for advanced standing.

The Criminal Justice Program’s foundation consists of a major core of 31 credits, which is designed to provide the undergraduate with a thorough understanding of criminal behavior and the entire criminal justice system. Additionally, all criminal justice majors must broaden their knowledge by completing one of the following areas of emphasis: Corrections, Law Enforcement, Security: Loss Prevention, Management and Planning, or General Criminal Justice.

For students specializing in Corrections or the General Criminal Justice emphasis, there is an internship course under the supervision of the Program Director and qualified field instructors.

The major in Criminal Justice requires the completion of a minimum of 51 major credits plus 4 credits in the related field of Computer Science.

Criminal Justice students are advised to take So 101 or Ps 101, Mt 002, and So 275 as part of their required Baccalaureate Core, since they are prerequisites for certain Criminal Justice courses.

Required Courses:

Major Core: All Criminal Justice majors are required to take the following major core of courses, and also must complete one of the areas of emphasis listed below.

Cj 101  Introduction to Criminal Justice
Cj 200  American Constitutional Law
Cj 201  Criminal Law and Procedure
Cj 270  Issues and Problems in Criminal Justice
So 271  Criminology
So 276  Juvenile Delinquency
So 291-391  Methods of Social Research I, II
So 390  Social Statistics
Required Supporting Course:

Cs 009  Introduction to Data Processing

**Emphasis in Corrections:** In addition to the required major core courses, students who choose the emphasis in Corrections must take the following courses:

Cj 220  Introduction to Corrections and Correctional Law
Cj 221  The Juvenile Correctional System
Cj 222  The Adult Correctional System
Cj 223  Interviewing and Counseling
Cj 320  Correctional Administration and Management
Cj 321  Probation, Pardon, and Parole Procedures and Supervision
Cj 390  Internship

**Emphasis in Law Enforcement:** In addition to the required major core courses, students who choose the emphasis in Law Enforcement must take the following courses:

Cj 230  Introduction to Law Enforcement
Cj 231  Police and Society
Cj 235  Arrest, Search and Seizure
Cj 238  Police and Patrol Administration and Management
Cj 330  Police—Community Relations
Cj 333  Investigation
Cj 335  Contemporary Police Issues and Problems
Cj 339  Police Personnel Administration and Supervision

**Emphasis in Security (Loss Prevention, Management, and Planning):** In addition to the required major core courses, students who choose the emphasis in Security must take the following courses:

Cj 240  Introduction to Security
Cj 241  Security Management and Planning
Cj 242  White-Collar Crime
Cj 243  Organized Crime
Cj 340  Industrial Security
Cj 341  Retail Security
Cj 342  Managerial Security
Cj 345  Contemporary Issues in Security

**General Emphasis in Criminal Justice:** In addition to the major core courses, eight Criminal Justice electives are required. In this emphasis, students may combine not more than four courses from any other emphasis, except with departmental permission. Course of study is created by the student in consultation with his/her advisor.
Division of Mathematics and Science
Division of Mathematics and Science

Dr. Raoul A. De Villiers, Dean

The Division of Mathematics and Science provides a foundation that is useful, if not necessary, in the pursuit of a career in Mathematics or Science. By offering both modern and relevant courses that respond to the needs of an ever-increasing technical society, students will obtain the basic undergraduate requisites for advanced study and for successful employment in industry or other professional areas.

Departments and Programs

Biology
Dr. William T. Gnewuch, Chairperson
Dr. Christ J. Verses, Allied Health Sciences Program Director; Medical Technology Program Director
Robert J. Sullivan, Medical Technology Program Educational Coordinator

Chemistry and Physics
Dr. Babu George, Chairperson

Computer and Information Sciences
Anthony Michalewicz, Chairperson

Mathematics
Dr. David L. Wilson, Chairperson

Nursing
Dr. Glee I. Wahlquist, Chairperson

Master of Science in Applied Operations Research
Dr. Raoul A. De Villiers, Acting Director

Department of Biology

The Department of Biology offers programs of study leading to the Baccalaureate degree in biology and medical technology, and the associate degree in allied health sciences and biology. All programs offer modern, state-of-the-art curricula that prepare students for employment. The Baccalaureate degree program also provides an excellent preparation for advanced studies in the life sciences, medical technology and related professions.

Major in Biology

The curriculum for the Biology major is designed to provide a foundation in the basic areas of Biology and to give the student excellent preparation for the study of medicine, dentistry, and other health related professions, graduate studies in Biology, employment in industry, and a career in secondary biological education.

To accomplish these objectives, the Department offers three areas of emphasis within the major: the Graduate/Professional, the Environmental, and the Biology Education.

All concentrations require the introductory courses, Concepts in Biology I and II (Bi 111-112), which provide the student with the foundation in various disciplines of modern biology. Freshmen who have not declared a major may take The Nature of Life (Bi 010). Completion of Bi 010 with a grade of B+ or higher, and permission of the Chairperson, will allow the student to enter the second half of Concepts in Biology (Bi 112), and from there into the Biology curriculum. Each concentration has a minimum requirement of 55/57 credits, 36/37 required biology credits and 19/20 required supporting chemistry and mathematics credits.

Additional elective courses are strongly recommended to enhance career opportunities. These include a minimum of 12 credits of biology electives, additional courses in Chemistry and Mathematics, and courses in Computer Science and Physics.

The course sequences for the areas of emphasis are interchangeable up to the end of the sophomore year, at which time the student is expected to make a definite choice. For the
student intending to seek admission to medical school, the Graduate/Professional emphasis is designed to conform with the requirements of the American Medical Association.

**Required Courses:**

**Major Core:** All Biology majors are required to take the following courses, and must complete the course sequence in one of the areas of emphasis listed below.

- Bi 111-112 Concepts in Biology I, II
- Bi 212 Animal Development
- Bi 220 Introductory Genetics
- Bi 230 Microbiology
- Bi 312 Systems Physiology
- Bi 350 Bioecology

**Required Supporting Courses:**

- Ch 011 General Chemistry I
- Ch 012 General Chemistry II
- Ch 013 Elementary Qualitative and Quantitative Analysis I
- Ch 014 Elementary Qualitative and Quantitative Analysis II
- Ch 111 Organic Chemistry I
- Ch 112 Organic Chemistry II
- Ch 113 Organic Chemistry Laboratory I
- Ch 114 Organic Chemistry Laboratory II

**Graduate/Professional Emphasis:** In addition to the required major core of courses, students who choose the Graduate/Professional Emphasis must take the following courses:

- Bi 311 Cell Physiology
- Bi 340 Comparative Vertebrate Anatomy

**Required Supporting Course:**

- Mt 015 Introductory Calculus

**Environmental Emphasis:** In addition to the required major core of courses, students who choose the Environmental Emphasis must take the following courses:

- Bi 210 Plant Growth and Development
- Bi 375 Analytical Techniques in Environmental Biology

**Required Supporting Courses:**

- Mt 005 Probability and Statistics, or
- Mt 010 Precalculus

**Minor in Biology**

The minor in Biology requires the completion of 24 credits.

**Required Courses:**

- Bi 111-112 Concepts in Biology I, II
- Ch 005 Fundamentals of Chemistry, or
- Ch 011-013 General Chemistry I with Lab

**Three courses selected from the following:**

- Bi 210 Plant Growth and Development
- Bi 212 Animal Development
- Bi 220 Introductory Genetics
- Bi 230 Microbiology
- Bi 240 Invertebrate Biology
- Bi 260 Marine Biology

**Biology Education**

Either the Graduate/Professional or the Environmental Emphasis may be combined with appropriate courses in education for the attainment of certification for teaching in secondary schools. Students electing this course of study will be advised jointly by the Departments of Biology and Education.

**Interdisciplinary Programs**

The Department of Biology makes every effort to enhance professional opportunities for students not wishing to seek careers in the traditional biology disciplines. To this end, the Department continually monitors career trends and counsels students to combine the Biology major with specific courses in other disciplines, which will assist the realization of career goals.
Allied Health Sciences Program

Associate of Arts in General Studies with an Emphasis in Allied Health
Sacred Heart University offers an Associate of Arts degree in general studies in Allied Health Sciences in affiliation with St. Vincent’s Medical Center School of Nursing which is nationally accredited by the National League for Nursing. The joint effort between the hospital and Sacred Heart University gives students the opportunity of upward mobility in their continued education in the field of nursing.

Students at St. Vincent’s Medical Center may take general education courses at the University in addition to their major nursing courses to qualify for the nursing diploma which is awarded by St. Vincent’s Medical Center. Students completing the requirements at both the University and the hospital receive a diploma and are eligible to take the State Board Licensing Examination for the registered nurse.

Required University Courses for Diploma:
The Nursing Diploma at St. Vincent’s Medical Center School of Nursing requires the completion of 31 credits, as determined by the St. Vincent’s Medical Center School of Nursing.

- Bi 031-032 Anatomy and Physiology I, II
- Bi 061 Introduction to Microbiology
- Ch 007 Principles of Chemistry
- En 011 Freshman Rhetoric: Shorter Forms
- Ps 101 General Psychology - Scientific Aspects
- Ps 252 Child Developmental Psychology
- Rs 257 Contemporary Moral Issues
- So 101 Principles of Sociology

Studies with an emphasis in Allied Health requires the completion of 60 credits. In addition to the courses required for the Diploma, the following courses are also required:

- Bi 005 Introduction to Nutrition
- Ca 021 Effective Communication
- En 012 Freshman Rhetoric: Longer Forms
- Ph 101 Introduction to the Problems of Philosophy
- Ps 272 Adolescent-Old Age Psychology

Two courses from Area I of the Associate Core

Three elective courses (which may be transferred electives from the School of Nursing)

A minimum of 20 credits must be taken at Sacred Heart University in order to fulfill the residency requirement.

Medical Technology Program
Sacred Heart University offers a solid medical technology program leading to the Baccalaureate degree. The program is a traditional “three-one” program in which the student spends the equivalent of three full academic years at the University (101 credits) and one full academic year at an accredited hospital (30 credits). Upon successful completion of all the requirements at the University and the hospital, the student is prepared to take the national examination to become a Certified Medical Technologist.

The medical technology field is one of the fastest expanding ones in the area of allied health sciences. Medical technologists are employed in hospitals, industrial and private laboratories, and are responsible for the preparation and analysis of clinical samples. Their duties include performing a broad range of procedures in all general areas of the clinical laboratory, making independent and collaborative judgements, and working in association with physicians and pathologists. In addition, they may supervise and/or teach laboratory personnel.
Medical Technology Program Policy
1. The successful completion of the Medical Technology Program is contingent upon admission to and satisfactory completion of the clinical program of studies at an accredited hospital school. The University cannot guarantee admission to a clinical program since each hospital school determines which of its applicants will be admitted.

2. Although the granting of the Bachelor’s degree in medical technology is not contingent upon the successful passing of any examination given for medical technology certification, Sacred Heart University is not responsible for the student’s performance on any examination.

3. The student must sign a waiver stating that the student’s records will be available to the Educational Coordinator of Sacred Heart University or persons designated by the coordinator.

4. Prior to final acceptance by a hospital school, a health certificate shall be completed by the student’s family doctor stating that the student is in good physical health.

5. In the clinical year the student must purchase insurance through the University’s Student Sickness and Accident Insurance program unless evidence of comparable coverage is provided.

6. The student must purchase professional liability coverage under the University’s Student Medical Technology Malpractice Policy.

Major in Medical Technology
The major in Medical Technology requires the completion of 51 credits at the University plus 30 credits at the hospital.

Required Courses at the University:
Bi 111 Concepts of Biology I
Bi 130 Fundamentals of Human Anatomy and Physiology
Bi 154 Introduction to Medical Technology
Bi 220 Introductory Genetics
Bi 230 Microbiology
Bi 250 Medical Microbiology
Bi 325 Immunology
Ch 011-012 General Chemistry I, II
Ch 013-014 General Chemistry Laboratory I, II
Ch 216 Biochemistry
Ch 217 Clinical Biochemistry
Ch 218 Biochemistry Laboratory
Ch 219 Clinical Biochemistry Laboratory

Required Supporting Courses at the University:
Ch 111-112 Organic Chemistry I, II
Ch 113-114 Organic Chemistry Laboratory I, II

Required Courses at the Hospital:
Me 301 Clinical Microbiology
Me 302 Blood Banking Immunohematology
Me 310 Hematology
Me 315 Clinical Microscopy
Me 325 Clinical Chemistry
Me 330 Immunological Serology
Me 340 Special Topics in Medical Technology

Respiratory Therapy Program
Respiratory Therapy is an Allied Health specialty employed in the treatment, management, control, and care of patients with deficiencies and abnormalities associated with the cardiopulmonary system. The Respiratory Therapist employs the use of medical gases, humidification systems, aerosol generating devices for the administration of medications, chest physical therapy, chest physical therapy breathing exercise, respiratory rehabilitation (CPR), and ventilator and airway management. The Respiratory Therapist is also responsible for obtaining and analyzing arterial samples as well as pulmonary function testing.

The Associate of Science Degree in Respiratory Therapy is designed to meet the
increasing demand for qualified Respiratory Therapists. The Respiratory Therapist may find employment in medical centers offering both acute and subacute/chronic care, in chronic care facilities, and in organizations specializing and/or offering Respiratory Therapy home care plans.

The Respiratory Therapy Program is designed to integrate both didactic and clinical skills by offering core courses at the University and didactic and clinical experience at the primary affiliate (St. Vincent's Hospital) and at the secondary affiliate (Bridgeport Hospital). The program has received approval by the Connecticut State Board of Higher Education and the Council on Medical Education of the American Medical Association. Graduates receive an Associate of Science Degree in Respiratory Therapy and a certificate of completion, providing eligibility to sit for the National Board for Respiratory Care Credentialling Exam.

**Respiratory Therapy Program Policy**

1. The awarding of the Associate of Science Degree in Respiratory Therapy is contingent upon successful completion of all the academic requirements as well as all the clinical requirements of the program.

2. The granting of the Associate Degree in Respiratory Therapy is not contingent upon the successful passing of any examination given for Respiratory Therapy certification, and Sacred Heart University is not responsible for the student’s performance on such examination.

3. The student must sign a waiver stating that the student’s records will be available to the Program Director and Director of Clinical Education of Sacred Heart University, or persons designated by the two Directors.

4. Students accepted into the program must pass a physical examination by their private physician. During their clinical training, they may be required to undergo a physical examination for reasons of patient safety.

5. During clinical training, the student must purchase insurance through the University’s Student Sickness and Accident Insurance Program, unless evidence of comparable coverage is provided.

6. The student must purchase professional liability coverage under the University’s Student Respiratory Therapy Malpractice Policy.

7. To receive an Associate of Science Degree in Respiratory Therapy, a student must fulfill the following requirements: a) completion of academic requirements with a Q.P.A. of 2.0, and b) completion of clinical requirements with a Q.P.A. of 2.5.

8. While in the clinical phase, students are expected to adhere to the rules and regulations of the medical center.

9. Enrollment into professional courses is only offered to full-time matriculated students.

**Required Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>Bi 031-032</td>
<td>Anatomy and Physiology I, II</td>
</tr>
<tr>
<td>Bi 061</td>
<td>Introduction to Microbiology</td>
</tr>
<tr>
<td>Ch 007</td>
<td>Principles of Chemistry</td>
</tr>
<tr>
<td>Ch 009</td>
<td>Introduction to Organic and Biochemistry</td>
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<tr>
<td>En 011-012</td>
<td>Freshmen Rhetoric, Shorter and Longer Forms</td>
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<tr>
<td>Mt 001-002</td>
<td>Modern College Mathematics I, II</td>
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<tr>
<td>Ps 101</td>
<td>Introduction to Psychology</td>
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<tr>
<td>Py 100</td>
<td>Elements of Physics</td>
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<tr>
<td>Rt 010</td>
<td>Introduction to the Field of Respiratory Therapy</td>
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<td>Rt 020</td>
<td>Introduction to Respiratory Therapy Technology</td>
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<tr>
<td>Rt 030</td>
<td>Cardiopulmonary Anatomy and Physiology</td>
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<tr>
<td>Rt 040</td>
<td>Respiratory Therapy Pharmacology</td>
</tr>
<tr>
<td>Rt 050</td>
<td>Respiratory Therapy: Arterial Blood Gases</td>
</tr>
<tr>
<td>Rt 060</td>
<td>Devices Used to Provide Routine Respiratory Care</td>
</tr>
</tbody>
</table>
Rt 070  Clinical Practicum: Routine Respiratory Care I
Rt 075  Clinical Practicum: Routine Respiratory Care II
Rt 080  Cardio-Pulmonary Diseases
Rt 090  Management of the Respiratory Therapy Care Department
Rt 100  Life Support and Stabilization
Rt 110  Clinical Practicum: Critical Care
Rt 120  Clinical Practicum: Pulmonary Function
Rt 130  Cardio-Pulmonary Technology
Rt 140  Cardiopulmonary Rehabilitation and Home Care
So 101  Principles of Sociology

One elective

Minimum Admission Requirements:
1. High School Diploma from an accredited school.
2. High School courses in Biology, Chemistry, Physics, and Mathematics.
3. Successful interview with the University’s Respiratory Therapy Committee.

Department of Chemistry and Physics

The Department of Chemistry offers a balanced curriculum which insures a thorough, modern education in Chemistry. In addition to providing the student with the necessary preparation for graduate study in the various areas of Chemistry and/or employment in the chemical industries, the Chemistry major program, coupled with selected supporting courses, provides an excellent preparation for the study of medicine, dentistry and other health related professions. In order to accomplish these objectives, the Department of Chemistry offers two areas of emphasis within the major—the Basic Program and the Biochemistry Program. In addition, for those students who would like either to teach Chemistry at the secondary school level, or enter the business or high technology fields, three options are available which combine the Basic Chemistry major with supplemental coursework.

1. Chemistry—Basic Program
This is the traditional program designed for those students desiring a curriculum with strong supportive courses in Mathematics and Physics. The program is recommended for graduate study in Chemistry or as a preparation for an industrial position.

2. Chemistry—Biochemistry Program
This program is strongly recommended as preparation for future careers in Biochemistry, Clinical Chemistry, Pharmaceutical Chemistry and Environmental Chemistry. This is the program of choice for pre-medical and pre-dental students who are Chemistry majors. The program is also suitable for graduate study in Biochemistry and Pharmacology.

3. Chemistry—Education Option
The program leads to certification for those students desirous of teaching on the secondary school level.

4. Chemistry—Business Option
In addition to receiving an excellent education in Chemistry, the student will be prepared in the basic aspects of the business world. The program is recommended as a preparation for an industrial position. The student will be better prepared to enter graduate programs such as the MBA.

5. Chemistry—Computer Science Option
This option adds an integral interdisciplinary dimension to the traditional undergraduate Chemistry curriculum. Due to the increased importance of Computer Science and its accepted position in technology, this program should increase the career opportunities whether their goals are job placement or graduate study.
Chemistry—Basic Program
The major in Chemistry (Basic Program) requires the completion of 38 major credits plus 20 credits in the related fields of Mathematics and Physics.

Required Courses:
Ch 011-012 General Chemistry I, II
Ch 013-014 General Chemistry Laboratory I, II
Ch 111-112 Organic Chemistry I, II
Ch 113-114 Organic Chemistry Laboratory I, II
Ch 211 Analytical Chemistry
Ch 213 Analytical Chemistry Laboratory
Ch 237-238 Physical Chemistry I, II
Ch 239-240 Physical Chemistry Laboratory I, II
Ch 312 Instrumental Analysis
Ch 314 Instrumental Analysis Laboratory
Ch 339 Undergraduate Research

Required Supporting Courses:
Mt 010 Pre-Calculus (waived on examination)
Mt 015 Introduction to Calculus
Mt 016-104 Mathematical Analysis I, II
Py 121-122 Principles of Physics I, II

The Department strongly recommends a minimum of 10-12 credits of Chemistry electives to enhance career and graduate study opportunities. Consult your Department advisor.

Chemistry—Biochemistry Program:
The major in Chemistry (Biochemistry Program) requires the completion of 38 major credits plus 20 credits in the related fields of Biology, Mathematics and Physics.

Required Courses:
Ch 011-012 General Chemistry I, II
Ch 013-014 Elementary Quantitative & Qualitative Analysis I, II
Ch 111-112 Organic Chemistry I, II
Ch 113-114 Organic Chemistry Laboratory I, II
Ch 211 Analytical Chemistry
Ch 213 Analytical Chemistry Laboratory
Ch 216 Biochemistry
Ch 217 Clinical Biochemistry
Ch 218 Biochemistry Laboratory
Ch 219 Clinical Biochemistry Laboratory
Ch 236* Physical Chemistry for Life Sciences
Ch 339 Undergraduate Research

One to two credits of Chemistry electives
*Ch 236 may be replaced with Ch 237-238

Required Supporting Courses:
Bi 111 Concepts in Biology I
Mt 015 Introduction to Calculus
Mt 016 Mathematical Analysis I
Py 111-112 General Physics I, II, or
Py 121-122 Principles of Physics, I, II

In addition to the above courses, a minimum of 10-12 credits in Chemistry electives are strongly recommended. Also, Bi 112 and two Biology courses at the 200 level or higher are required in pre-med, pre-dental, pre-veterinary, and allied health professions.

Chemistry—Computer Science Option:
Students major in Chemistry (Basic Program) and then supplement the major with the following courses:
Ch 305 Computer Applications in Chemistry
Cs 011 A First Course in Computer Science
Cs 012 Introduction to Applied Computation

Chemistry—Business Option: Students major in Chemistry (Basic Program) and then supplement the major with the following courses:
Chemistry—Education Option: Students major in Chemistry (Basic Program) and then supplement the major with the following courses leading to teaching certification at the secondary school level:

- Ch 200 Safety in the Chemistry Laboratory
- Ed 101 Educational Psychology
- Ed 202 Developmental Psychology for Teachers
- Ed 203 Personal and Professional Effectiveness Training
- Ed 204 Test and Measurement
- Ed 205 Education of Special Needs Students
- Ed 207 Discipline and Classroom Management
- Ed 267 Secondary Methods: Science
- Ed 271 Computer Literacy
- Ed 272 Health in Youth
- Ed 395 Student Teaching Seminar—Secondary

Department of Computer and Information Sciences

In keeping with the development, growth, and diversification within the computer field, the Baccalaureate program in Computer Science has been designed to address the two major areas of concentration existing today: the scientific and information emphasis.

A graduate with a baccalaureate degree in Computer Science will be well prepared to undertake any graduate program leading to a master's degree or a doctoral degree in Computer Science as well as in Operations Research, Applied Operations Research, Applied Mathematics or Statistics.

Employment opportunities abound in government, business, or industry. This program gives one the appropriate foundation for scientific applications of computers in addition to business-oriented uses, such as information processing.

Most reliable sources have pointed out that now and for the foreseeable future, graduates with degrees in Computer Science will be among the most sought after by all segments of the economy. Not only is the job market bright for Computer Science graduates, but also the level of income for those entering the field in among the highest of all college graduates.

 Facilities

The Sacred Heart University Computer Center supports the access to Yale University's two IBM 4341 computers by way of an extensive telecommunications network. The IBM 4341 Model 2 runs the MVS operating system to provide Batch, TSO, and WYLBUR services. It is equipped with 8 megabytes of memory shared by users for batch processing and timesharing sessions. A 6.3 gigabyte pool of on-line disk storage for files provided with 10 IBM 3380 disk volumes (630 megabytes each). Four Memorex 6250 9-track tape drives capable of recording at 1600 or 6250 BPI are available for reading and writing tapes. The IBM 4341 Model 12 runs the VM/SP operating system to provide VM/CMS service. It is equipped with 12 megabytes of memory shared by users for timesharing sessions. An 8.28 gigabyte pool of on-line disk storage for files is provided with 26 IBM 3370 (270 megabytes each) and 2 IBM 3380 (630 megabytes each) disk volumes. The 4341 Model 12 is linked to the 4341 Model 2 to permit use of MVS Batch from VM/CMS. For use with this computing service, a wide complement of programs, program packages, and other software is
available. This includes WBASIC, PL/I, APL, WPASCAL, C, BAL, SAS, SPSS, BMDP, PEC, LIDA, TPL, SPIRES, YPANEL, EASYTRIEVE, WATFILE, CSMD, DYNAMO, GPSS, SIMSCRIPT, IMSL, NAG, LINDO, WSCRIPT, and YEDIT.

To facilitate access to this unparalleled computing environment, the Sacred Heart University Computer Center presently maintains thirty-two dedicated ports into the Yale environment, houses seventeen Cathode Ray Tube terminals, eight hardcopy terminals, and two bi-directional logic-seeking, fast-line printers. The Computer Center also houses twelve Apple II microcomputers and two printers dedicated for microcomputer use.

A microcomputer classroom containing twelve IBM Personal Computers is used for the "hands-on" instruction of key microcomputer courses. These IBM microcomputers are available for general student use in a laboratory environment when not in use in the classroom situation. A special Computer Science Seminar Room equipped with a Telebeam II projector is dedicated to Computer Science instruction. This Telebeam II device projects the image of a CRT display so that the students can visually inspect the computer session of the instructor in the classroom environment.

Computer Science Colloquium
Since the formation of the Department of Computer and Information Sciences, each year distinguished scholars from prestigious graduate schools deliver lectures to students on various topics of interest in the world of Computer Science.

Major in Computer Science/Scientific Emphasis
The major in Computer Science with the Scientific emphasis requires the completion of 57 credits.

Required Courses:
- Cs 011 A First Course in Computer Science-Pascal
- Cs 012 Introduction to Applied Computation
- Cs 101 Introduction to Computer Science
- Cs 102 Introduction to Systems Programming
- Cs 121 Discrete Mathematics and the Analysis of Algorithms I
- Cs 122 Discrete Mathematics and the Analysis of Algorithms II
- Cs 201 Programming Languages and Compilers, or
- Mt 201 Advanced Calculus
- Cs 202 Operating Systems
- Cs 211 Advanced Programming
- Cs 212 Numerical Computation
- Mt 015 Introductory Calculus
- Mt 016 Mathematical Analysis I
- Mt 103 Linear Algebra
- Mt 104 Mathematical Analysis II
- Mt 106 Mathematical Probability and Statistics I

Major in Computer Science/Information Emphasis
The major in Computer Science with the Information emphasis requires the completion of 54 credits.

Required Courses:
- Bu 201 Organization Management
- Cs 009 Introduction to Data Processing
- Cs 014 JCL and Timesharing Environments
- Cs 015 COBOL Programming
- Cs 101 Introduction to Computer Science
- Cs 105 Advanced COBOL Programming
- Cs 107 Systems Design
Cs 109  Project Management and Control
Cs 110  Data Processing - Feasibility and Economics
Cs 203  Data Base Design
Cs 207  Systems Analysis
Mt 008  Mathematics for Decision Making
Mt 014  Calculus for Decision Making

Two Computer Science electives approved by the Department

Recommended Supporting Courses for Information Emphasis:
Ac 101  Principles of Accounting I
Ac 102  Principles of Accounting II
Bu 221  Business Communications
Cs 103  A Survey of Microcomputer Software

Minor in Computer Science/Scientific Option
The minor in Computer Science/Scientific Option requires the completion of 23 credits.

Required Courses:
Cs 009  Introduction to Data Processing
Cs 014  JCL and Timesharing Environments
Cs 015  COBOL Programming
Cs 107  Systems Design
Cs 109  Project Management and Control

One course from the following:
Cs 105  Advanced COBOL Programming
Cs 203  Data Base Design
Cs 207  Systems Analysis

Minor in Operations Research
The minor in Operations Research requires the completion of 26 credits.

Required Courses:
Cs 012  Introduction to Applied Computation
Mt 015  Introductory Calculus
Mt 016  Mathematical Analysis I
Mt 103  Linear Algebra
Or 012  Introduction to Management Science
Or 121  Mathematical Models in Management Science
Or 132  Mathematical Programming I

Associate of Science Degree in Computer Science
The Associate degree in Computer Science offers two areas of emphasis—the first in Computer Science and the second in Information Science.

This associate degree program is designed for high school graduates who intend to make a career in the field of Computer Science, and college graduates who did not obtain a sufficient level of computer experience during their college years. The Computer
Science emphasis is intended for college students majoring in Mathematics or the sciences who wish to supplement their major course sequences in order to increase their employment opportunities after graduation. The Information Science emphasis is intended for high school graduates who wish to make a career in information processing, and for business students or individuals working with computers in business who want a formal education in information processing in order to advance their careers.

**Scientific Emphasis:** The Associate of Science Degree in Computer Science with a Scientific emphasis requires the completion of 60 credits.

**Required Courses:**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>Cs 011</td>
<td>A First Course in Computers</td>
</tr>
<tr>
<td>Cs 012</td>
<td>Introduction to Applied Computation</td>
</tr>
<tr>
<td>Cs 101</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>Cs 102</td>
<td>Introduction to Systems Programming</td>
</tr>
<tr>
<td>Cs 121</td>
<td>Discrete Mathematics and the Analysis of Algorithms I</td>
</tr>
<tr>
<td>Cs 122</td>
<td>Discrete Mathematics and the Analysis of Algorithms II</td>
</tr>
<tr>
<td>En 011</td>
<td>Freshman Rhetoric: Shorter Forms</td>
</tr>
<tr>
<td>En 012</td>
<td>Freshman Rhetoric: Longer Forms</td>
</tr>
<tr>
<td>Mt 008</td>
<td>Mathematics for Decision Making</td>
</tr>
<tr>
<td>Mt 014</td>
<td>Calculus for Decision Making</td>
</tr>
</tbody>
</table>

Three Liberal Arts electives
Two electives
One Computer Science elective

**Information Science Emphasis:** The Associate of Science Degree in Computer Science with an emphasis in Information Science requires the completion of 60 credits.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>Cs 009</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>Cs 014</td>
<td>JCL and Timesharing Environments</td>
</tr>
<tr>
<td>Cs 015</td>
<td>COBOL Programming</td>
</tr>
<tr>
<td>Cs 107</td>
<td>Systems Design</td>
</tr>
<tr>
<td>Cs 109</td>
<td>Project Management and Control</td>
</tr>
<tr>
<td>Cs 203</td>
<td>Data Base Design</td>
</tr>
<tr>
<td>Cs 207</td>
<td>Systems Analysis</td>
</tr>
<tr>
<td>En 011</td>
<td>Freshman Rhetoric: Shorter Forms</td>
</tr>
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<td>Calculus for Decision Making</td>
</tr>
</tbody>
</table>

Three Liberal Arts electives
Two electives
One Computer Science elective

**Department of Mathematics**

The aim of the Department of Mathematics is to offer a curriculum that will provide majors with the basic undergraduate requisites for successful advanced studies or employment in areas where their skills are in demand.

For some time now, Sacred Heart University has been an institutional member of the Mathematical Association of America (MAA), which is concerned with undergraduate Mathematics. In December, 1971, Sacred Heart was also elected by the Council of the American Mathematical Society (AMS) to institutional membership. Only some four hundred universities in the country have received such a distinction. In 1981, Sacred Heart University became an institutional member of the Society for Industrial and Applied Mathematics (SIAM). Sacred Heart is also a member of the Association for Computing Machinery (ACM).
Mathematics Colloquium

Every year several distinguished international scholars from prestigious graduate schools come to the department to talk to students and lecture on topics of various interest in the annual Mathematics Colloquium. Recent lecturers include: Professor Jean A. Dieudonné, a member of the French Academy of Sciences, and Yale professors Nathan Jacobson, George Seligman, Sizhuo Kukutani, Walter Feit, Martin Schultz, Matthew Sobel, and Ronald Dembo.

The Department celebrated the 10th anniversary of the Math Colloquium in May, 1977. At present, the Colloquium has been extended to offer lectures in Operations Research and Computer Science.

Major in Mathematics

The Mathematics curriculum at the University was developed in accordance with recommendations of the Committee on the Undergraduate Programs in Mathematics (CUPM) of the Math Association of America (MAA). It consists of courses in Modern Analysis, Algebra, Topology, Applied Mathematics and Computer Science electives which prepare our students not only to continue study toward a Ph.D. degree in pure Mathematics, but also in Statistics, Applied Science or Computer Science.

Mathematics majors who wish to obtain a B.S. degree must take, in addition to the requirements for a B.A. degree in Mathematics, at least two more science courses in Chemistry, Physics, or Operations Research chosen with the approval of the Chairperson of the Mathematics Department. A foreign language, preferably French, is recommended for all Mathematics majors.

Mathematics majors are also encouraged to take elective courses in Operations Research and Computer Science for a double major in Mathematics and Computer Science, or for a minor in Operations Research or Computer Science.

The major in Mathematics requires the completion of 34 credits in Mathematics plus 8 credits in Physics.

Required Courses:
- Mt 015 Introductory Calculus
- Mt 016-104 Mathematical Analysis I, II
- Mt 103 Linear Algebra
- Mt 106 Mathematical Probability and Statistics I
- Mt 201 Advanced Multivariable Calculus
- Mt 221 Abstract Algebra
- Mt 313 Real Analysis
- Mt 314 Complex Analysis
- Mt 107 Mathematical Probability and Statistics II, or
- Mt 222 Geometry

Required Supporting Courses:
- Py 121-122 Principles of Physics I, II

Suggested Elective Courses:
- Cs 012 Introduction to Applied Computation
- Cs 101 Introduction to Computer Science
- Mt 232 Applied Mathematics
- Mt 315 General Topology
- Mt 401 Mathematical Programming I
- Mt 411 Probabilistic Models in Operations Research

Minor in Mathematics

The minor in Mathematics requires the completion of 19 credits.

Required Courses:
- Mt 015 Introductory Calculus
- Mt 016 Mathematical Analysis I
- Mt 103 Linear Algebra
- Mt 104 Mathematical Analysis II
- Mt 106 Mathematical Probability and Statistics I
Department of Nursing

The Bachelor of Science with a major in Nursing is designed to provide the community of southwestern Connecticut with an educational mobility program in Nursing to meet the career needs of registered nurses from accredited associate degree and diploma programs, and to provide the community's health care consumers with baccalaureate-educated nurse generalists prepared to assume a wider scope of practice in and outside of traditional inpatient facilities. The degree program also provides registered nurses with the requisite foundation for graduate specialization in Nursing. The program is accredited by the National League for Nursing.

Major in Nursing

To receive a Baccalaureate degree in Nursing, RN's must complete 124 credit hours of study, 77 credit hours in prescribed general education courses with a 2.0 quality point average and 47 credit hours in the major. The professional major is built upon a core of humanities, social sciences, natural sciences and mathematics courses. Prior to entry into the major, specific prerequisite supporting courses must have been completed at Sacred Heart, at another accredited college, or by college level examination.

Prerequisites:

Bi 031-032  Anatomy and Physiology I, II
Bi 061  Introduction to Microbiology
Bi 005  Introduction to Nutrition
Ch 007  Principles of Chemistry
Ch 009  Principles of Organic and Biochemistry
Mt 001  Modern College Mathematics I
Ps 101  General Psychology
Ps 252  Child Development Psychology
Ps 272  Adolescent-Old Age Psychology
So 101  Principles of Sociology

After acceptance into the Nursing major additional courses are required.

Required Validation Exams*:
Nursing Mobility Profile II
1. Care of the Adult Client
2. Care of the Client During Childbearing and Care of the Child
3. Care of the Client with Mental Disorder

Validation of Clinical Skills

Required Courses:

Mt 023  Statistics for Decision Making
Nu 200  Foundations of Professional Nursing
Nu 251  Nursing Practice in Individual Health
Nu 253  Health Pattern Dysfunction and the Nursing Process
Nu 300  Nursing Practice in Family Health
Nu 351  Nursing Practice in Community Health
Nu 390  Nursing Research
One Nursing elective

*Information regarding the National League for Nursing Examination and Validation of Clinical Skills may be obtained from the Department Chairperson.
Course Descriptions
Accounting Courses

Ac 101-102 Principles of Accounting I, II  
Required as the beginning course for all accounting and business majors. Ac 101 covers financial accounting from transactions analysis through accounting for partnerships. Ac 102 covers stockholders equity and managerial accounting from break-even analysis to standard costs and various forms of statement accounting and forecasting. Both courses provide intense, rigorous preparation for subsequent course work. Prerequisites: 27 credit hours, QPA of 2.0, and Mt 008.

Ac 201-202 Intermediate Accounting I, II  
Further development of accounting concepts, placing more emphasis on the theoretical aspects involved. Primarily intended for the accounting major, this is also a highly useful course for business administration majors. Note: Credit for Ac 201 can be gained without taking Ac 202. Prerequisite: Ac 101 and Ac 102.

Ac 212 Introduction to Cost/Revenue Analysis  
Provides a deeper investigation of managerial accounting topics. Covers relevant costs, budgeting, responsibility accounting, capital budgeting, manufacturing cost accounting, corporate financial reports and the effect of inflation on them.

Ac 301-302 Advanced Accounting I, II  
This course covers partnerships, installment sales and contracts, estates and trusts, governmental and branch accounting. The second semester covers business combinations, consolidations and consolidated financial statements on both the purchase and pooling of interest bases. Prerequisite: Ac 202.

Ac 313 Cost Accounting  
Covers methods of accounting for and reporting the costs of materials, labor, and overhead in job and process costs systems. Includes intensive work in joint and by-product costing as well as on standard costs and variance analysis. Prerequisite: Ac 102. Fee: $35.00.

Ac 314 Managerial Accounting  
Covers analysis of market costs and cost-volume-profit situations, studies variable costing and methods of reporting, use of cost information in pricing decisions, capital expenditure analysis, budgeting and cash management, transfer-pricing, and related topics. Prerequisite: Ac 313. Fee: $35.00.

Ac 321-322 Auditing I, II  
A study of the principles of audit practices and the procedures used by independent public accountants in examining accounting records and statements. Also, advanced training in auditing, utilizing case studies, publications of the American Institute of Certified Public Accountants, preparation of audit reports, and other audit materials. Prerequisites: Ac 202 and Bu 241. Cs 009 or Cs 010 is recommended. Fee: $35.00 per semester.

Ac 383-384 Federal Taxes I, II  
A survey of income tax accounting as it applies to the individual. This course covers the more important concepts involved in preparing federal income tax returns, a survey of gift and estate taxes, reorganizations, and other topics. Prerequisites: Ac 102 and Senior standing, or permission of the instructor. Fee $35.00 per semester.
Ac 392 Current Topics in Accounting

This seminar class deals with recent issues in the accounting profession. Pronouncements issued by the Financial Accounting Standards Board, new tax bills, and laws will be among the topics covered. Prerequisite: Senior standing or permission of the instructor.

Business Courses

Bu 021 Business English

This course is designed to review and reinforce basic English principles. Emphasis is on the study of grammar. Word usage, punctuation, capitalization, and vocabulary building are covered for improved writing skills. (English Placement/Proficiency test required).

Bu 103 Business: Its Nature and Environment

The purpose of this course is to give a clear overview of the area of activity known as business. The management point of view is emphasized but the rights of the individual as employee, citizen, and consumer are also discussed. May be waived for students who provide substantiation of acceptable practical business experience.

Bu/Hi 128 Business: The History of American Business Enterprise

An examination of the growth and development of business in America from early colonial times to present. Topics include the role of the entrepreneur, the business specialization, the rise of the corporate form and of “big” business, innovations in management marketing, and the interplay of business enterprise and other aspects of American society. Qualifies for Area B.I History credit.

Bu 201 Organization Management

An interdisciplinary study of managerial decision making utilizing behavioral and quantitative approaches. Included among the topics are decision making per se, motivation and behavior, leadership, group behavior, organizational change, planning, control, and allocation resources. Lectures and case studies. Prerequisite: Bu 103 or permission of department.

Bu 202 Organizational Behavior

This course examines the research underlying current theories of organization. Individual, group, intergroup, and other human behavior, and application of social science research to administration will be covered. Prerequisite: Bu 201.

Bu 210 Office Management for the Administrative Assistant

This course covers fundamental supervisory practices and analyzes the most important skills required in performing the supervisory/management function. The basic considerations of leadership, motivation, communications, and organizing administrative office operations will be explored. The managerial process will be examined including personnel practices, budget planning and control, and information and records management.

Bu/Ca 221 Business Communications

A project-oriented course dealing with individual student efforts in all facets of verbal, written, and graphic communication. Assignments required in areas such as business correspondence, executive summary, verbal presentations, and charts. Work assignments are supplemented with audio aids and lectures dealing with grammar and vocabulary development. Prerequisites: Grade of C or better in En 010, En 011, and Ca 021.

Bu 231-232 Business Law I, II

A general survey of law, including the legal system, courts and court procedures, the law of contract, agency, partnership, corporation, sales, and employment. Prerequisite: Sophomore standing.
**Bu 241 Business Statistics** 3 Crs.
Introductory course in statistics for students in business administration. Problem-oriented course discussing statistics as it is used, frequency distribution, probability, sampling, hypothesis testing, correlation analysis, linear regression analysis, and graphic presentation of statistical material. Prerequisite: Grade of C or better in Mt 008 and Mt 014. Fee: $35.00.

**Bu 242 Analytical Techniques for Decision Making** 3 Crs.
Survey of analytical techniques used in the solution of management problems. Topics include break-even analysis, probability, decision theory, linear programming, network models, transportation and assignment models, waiting line models, simulation concepts, and Markov analysis. Prerequisite: Bu 241.

**Bu/Ph 257 Business Ethics** 3 Crs.
An investigation of the philosophical questions which arise in normal business situations. The case-study method will be used to examine such questions as nepotism, competition, marketing, career advancement, and product research. There will be consideration given to the question of whether a special ethic should apply to business situations.

**Bu 278 Principles of International Business** 3 Crs.
Analysis of international trade activity with special emphasis in the business environment. This entails concepts and constraints associated with developing intercultural managerial effectiveness, recent patterns of world trade, human environment, trade theory, government influence, foreign exchange, international payments, financial markets, the international company, and East-West business. Prerequisite: Bu 201 or permission of the department.

**Bu 301 Business Policy** 3 Crs.
Formulation and administration of policy, integration of the various specialties of business, development of overall management viewpoint. Prerequisite: Senior standing or permission of the instructor.

**Bu 373 Entrepreneurship: Starting Your Own Business** 3 Crs.
Most individuals sometimes feel the urge to quit their job and start a business of their own. However, being a well-qualified tradesman, a skilled craftsman, or an expert professional does not necessarily equip one to be "his own boss." This course gives the facts needed for managing an enterprise skillfully and profitably.

**Bu 392 Business Seminar** 3 Crs.
A general seminar requiring research on a personal project, oral progress reports to the seminar group, and a formal written report. Prerequisite: Senior standing and permission of the instructor.

**Bu 399 Independent Study** 1-3 Crs.
Students work on a special topic under the direction of an instructor. Permission of the instructor and department chairperson will be granted to qualified Business majors on the basis of a written proposal from the student.

**Economics Courses**

**Ec 101 Introduction to Economics** 3 Crs.
A one-semester introductory course for non-business majors designed to give students a foundation in the workings of our economy. Provides description and analysis of major concepts and issues of macroeconomics and microeconomics. Examines key institutions including the Federal Reserve System, corporations, and labor unions.

**Ec 201 Principles of Economics I** 3 Crs.
Introduction to basic macroeconomics principles. Topics include consumption, saving, investment, income and employment, business fluctuations, money and banking, fiscal and monetary policies. Prerequisite: Mt 002 or Mt 008.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ec 202</td>
<td>Principles of Economics II</td>
<td>3</td>
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<tr>
<td></td>
<td>†† Introduction to basic microeconomics principles. Topics include supply and demand, cost, profit, wages, market imperfections, and anti-trust. Other topics include poverty and discrimination, environment, and energy. Prerequisite: Mt 002 or Mt 008.</td>
<td></td>
</tr>
<tr>
<td>Ec 212</td>
<td>Economics Statistics</td>
<td>3</td>
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<tr>
<td></td>
<td>This introductory course in statistics for students in business administration is a problem-oriented course covering topics such as frequency distribution, probability, sampling, hypotheses testing, correlation analysis, linear regression analysis, and graphic presentation of statistical material. Prerequisites: Grade of C or better in Mt 001 and Mt 002 or Mt 008. Lab fee: $35.00.</td>
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<tr>
<td>Ec 221</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
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<td>An analysis of consumers’ and firms’ decisions and their role in the determination of prices and output of goods, the allocation of resources, and the distribution of income. Topics include theory of demand, pricing models, production theory, cost analysis, market structure, factor markets and externalities. Prerequisite: Ec 202.</td>
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<tr>
<td>Ec 243</td>
<td>American Economic Development</td>
<td>3</td>
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<td></td>
<td>Survey of the development of the United States economy from the Colonial period to the present. Topics include national income and its distribution, money and banking, capital accumulation, land and population, agriculture, manufacturing, transportation and commerce, labor unions, business enterprise, and the performance of the economy.</td>
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<tr>
<td>Ec 301</td>
<td>Intermediate Macroeconomic Analysis</td>
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<td></td>
<td>A course in aggregate economic analysis. Examines theories of the determination of national income and employment. Policies associated with these theories are critically examined. Prerequisite: Ec 201.</td>
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<tr>
<td>Ec 302</td>
<td>Money and Financial Institutions</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>A study of the operations of commercial banks and other financial institutions. Examines the significance of money, credit, and interest rates. Analyzes the impact of monetary and fiscal policies on the economy. Prerequisites: Ec 201 and Ec 202.</td>
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<tr>
<td>Ec 313</td>
<td>Managerial Economics</td>
<td>3</td>
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<td>An analysis of the structure of industry, business firms, and the application of analytical tools of economics to decision making. Topics include the determination of relevant costs for decisions within the business firm, pricing and capital budgeting problems, forecasting business conditions, risk and uncertainty, union policies, and cases involving actual managerial situations which require the use of economic analysis. Prerequisites: Ec 202 and Bu 241.</td>
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<tr>
<td>Ec 322</td>
<td>International Economics</td>
<td>3</td>
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<td></td>
<td>An examination of international trade theory and policy, balance of payment mechanism, and international monetary system. Special emphasis is given to current problems of trade restrictions and tariffs, gold and international flow of funds, and the role of international reserves. Prerequisites: Ec 201 and Ec 202.</td>
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<tr>
<td>Ec 341</td>
<td>History of Economic Thought</td>
<td>3</td>
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<td></td>
<td>This course traces the development of economic theory and the major contributions of the various schools of economic thought from Adam Smith through contemporary theory.</td>
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<tr>
<td>Ec 342</td>
<td>European Economic Development</td>
<td>3</td>
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<tr>
<td></td>
<td>The development of the European economy from the Middle Ages to the present. Topics covered include agriculture, commerce, industry, money and banking, business fluctuations, economic integration, and foreign investment.</td>
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</tbody>
</table>
Ec 343 Economic Development of the Third World 3 Crs.
Examines growth theories and their application to Third World countries. Analyzes problems of development in areas such as: population, agriculture, industry, and trade. Specific nations are studied. Prerequisites: Ec 201 and Ec 202.

Ec 344 Comparative Economic Systems 3 Crs.
A study of the various systems by which societies organize their economic activities. Countries covered include: Soviet Union, China, Japan, England, Sweden, and Yugoslavia.

Ec 372 Urban Economics 3 Crs.
Designed to provide the student with an understanding of the organization and form of urban areas and the critical examination of such urban problems as transportation, housing, poverty, centralization and decentralization of government, taxation as a means of financing urban public services, and problems of the environment. Prerequisites: Ec 202 or Ec 101 for non-business majors.

Ec 373 Public Finance 3 Crs.
The role of the government in relation to national income allocation and income distribution. Principles guiding the allocation of resources between the private and public sectors, expenditure and theory, including cost-benefit analysis. The impact of taxes on the distribution of income. Expenditure programs, their nature, importance, purpose, and economic effects. Prerequisites: Ec 201 and Ec 202.

Ec 381 Labor Economics 3 Crs.
Covers union, labor legislation, dynamics of labor supply, labor mobility, productivity and the effects of automation, wage structure and determination, and the problems of unemployment. Prerequisite: Ec 202.

Ec 401 Introduction to Econometrics 3 Crs.
The use of basic mathematical concepts to formulate models as a means for understanding and solving economic problems. Examine various statistical methods of estimating and testing economic models. Prerequisites: Ec 201, Ec 202, and Ec 212 or Bu 241.

Ec 402 Current Issues in Economics 3 Crs.
Examines major contemporary economic issues open to both prospective majors and non-majors. The purpose of the course is to demonstrate how economists deal with the difficult problems of the day. Prerequisites: Ec 201 and Ec 202.

Finance Courses

Fn 215 Financial Management 3 Crs.
This course is designed to provide the student with an introduction to the field of finance. Principal emphasis is given to financial statements and ratio analysis, working capital management, capital budgeting, firm’s cost of capital, and basic portfolio theory. Prerequisite: Ac 102 or Ac 104.

Fn 241 Financial Markets: Structure and Performance 3 Crs.
Analysis of major individual, money, and capital markets, including government securities markets and various stock and bond markets. Topics include: the determination of the level and structure of interest rates, sources and uses of funds, the influence of the Federal Reserve on financial markets, the regulatory structure, and interrelations among these markets. Prerequisites: Ec 201 and Fn 215.

Fn 251 Corporate Finance 3 Crs.
Emphasis will be put on corporate long-term financial policies. Covers valuation of corporate securities, capital structure, dividend policy, analysis of overall cost of capital of the firm, mergers, and acquisitions. Prerequisite: Fn 215.
Fn 271 Risk and Insurance 3 Crs.
This course is concerned with the management of risks and the use of insurance in personal and business situations. Areas to be covered include types of coverage and binding contract, underlying legal principles, risk measurement and rate making, underwriting and re-insurance, loss prevention and control, organization of the insurance industry, and government regulation. Prerequisite: Fn 215.

Fn 314 Financial Analysis 3 Crs.
Develops the ability of the student to analyze financial statements in order to determine both asset value and earning capacity of the public corporation's securities. This requires an understanding of the positive and negative effects of operating and financial leverage as well as ratio analysis as it concerns both the capitalization, stock and bond markets. Proof of the student's ability lies in the preparation of an analysis of the annual report of a major publicly-held corporation. Prerequisite: Ac 202 or Fn 215.

Fn 315 Investments 3 Crs.
This course is designed to introduce the student to the different types of securities investments available to the institutional and private investor. The student will learn to evaluate individual securities by applying risk analysis as well as fundamental and technical research. Topics include: common and preferred stock investments, bond investments, commodities and financial futures, mutual funds, real estate, and pension funds. Prerequisite: Fn 215.

Fn 316 International Financial Management 3 Crs.
Applications of principles of financial management to the decisions of corporations with international operations. Topics include: sources and uses of funds in multinational operations, impact of different exchange rates, taxation systems and inflation rates on financial decisions, project evaluation, and interaction among various national financial markets. Prerequisites: Fn 215, Ec 201, and Ec 202.

Fn 317 Portfolio Management 3 Crs.
Examines price behavior of securities and techniques of securities, portfolio structuring, and stock selection for both institutions and personal portfolios. Topics include an introduction to modern portfolio theory, capital pricing and valuation techniques, and the theory of the efficient market. Prerequisite: Fn 315.

Fn 318 Current Problems in Finance 3 Crs.
Seminar on special current topics in finance. Open to seniors majoring in finance and to seniors majoring in economics, business, and accounting who obtain permission of the department. Prerequisite: Fn 215 or departmental permission.

Human Resource Courses

Hr 207 Management of Human Resources 3 Crs.
Major attention is devoted to the basic personnel processes that are involved in the procurement, development, and maintenance of the organizational human resource, selection, training, motivation, remuneration, and relations with unions. Prerequisite: Bu 201.

Hr 208 Compensation of Human Resources 3 Crs.
Principles and problems in the administration of wages, salaries, and benefits. Topics include: job analysis, job evaluation, salary surveys, creating the wage structure, executive compensation, benefits administration, program maintenance and control. Provides actual experience in development of compensation programs. Prerequisite: Hr 207.

Hr 209 Development of Human Resources 3 Crs.
Deals with the optimization of human re-
sources by facilitating change in people, in technologies, and in organizational processes and structures. Emphasis on human resource planning, evaluation, training, management development, “systems” and “by objectives” approaches to planned change. Prerequisite: Hr 207.

Hr 233 Human Resources: The Legal Environment 3 Crs.
Deals with the legislative foundations, legal processes, and institutions that regulate the employment of human resources in institutions. Reviews such legislation as the Occupational Safety and Health Act, the Federal Civil Rights Act, and agencies such as the EEOC and the OFCCP. Prerequisite: Hr 207.

Hr/Lw 236 Employer/Employee Law 3 Crs.
Course is designed to provide an understanding of certain legal aspects that pertain to employment of personnel/human resources. Course includes an introduction to legislation and the regulatory process, equal employment opportunity, Working persons’ Compensation, job health, and safety. Emphasis will be placed on compensation and benefit plans. Instruction will be through case study and analysis of pre-prepared employment documents.

Hr 276 Job Evaluation 3 Crs.
Examines in detail the techniques and rationale of determining job value to the organization in terms of relative job worth within the firm and equitable relationships of pay for similar responsibilities in other organizations. Emphasizes the procedures for analyzing and describing jobs, evaluating job worth, and techniques for developing wage structures.

Hr 307 Collective Bargaining 3 Crs.
A study of the development and methods of organized groups in industry with reference to the settlement of labor disputes. An economic and legal analysis of labor union and employer association activities, arbitration, mediation and conciliation, collective bar-
gaining, trade agreements, strikes and boycotts, lockouts, company union, employee representation, and injunctions. Prerequisite: Hr 207.

Hr 308 Problems in Contemporary Collective Bargaining 3 Crs.
Collective bargaining as a process has been under intense critical fire for some time. Few problem areas in collective bargaining yield final solutions. The most critical issues in labor relations are necessarily controversial. An important obligation is to present these areas as well as the fundamentals of collective bargaining to the student. Prerequisite: Hr 207.

Hr 309 Problems in Managing Human Resources 3 Crs.
Case study and discussion of advanced problems in industrial relations and human resource management. Particular emphasis on the problems of the senior personnel executive. Prerequisite: Permission of instructor.

Hr 310 Seminar in Human Resources Management 3 Crs.
Permits advanced students to deal individually or in small groups with guided, self-study projects suited to their personal needs and interests. Research into recent developments, innovations, and issues in personnel administration. Prerequisite: Permission of instructor.

Legal Assistant Courses

Lw 101 Criminal Law and Torts 3 Crs.
To give the student a survey of general principles of criminal law, defenses, court procedures and jurisdiction, torts, the nature of a tort, who may be liable, the extent of liability, and defenses. Emphasis is placed upon the practical application of this knowledge for the paralegal.

Lw 102 Contracts and Uniform Commercial Code 3 Crs.
To give the student a general survey of con-
tract law, definitions and classifications of contracts, capacity of parties, legal effect of offer, acceptance, and consideration. Uniform Commercial Code - definition; Article 2 of the Code - sales; Article 3 - commercial paper; Article 4 - bank deposits and collections (negotiable instruments); and Article 9 - secured transactions. This course must be taken in conjunction with Lw 122, Legal Research II.

Lw 121 Legal Research I 3 Crs.
An introduction to the study of law which acquaints the student with analysis and synthesis of cases and other legal materials. The student is taught to use various methods of legal research, which include: indexes, digests, Shepard’s Citations, encyclopedias, and the West key number system. Each student is required to submit a written abstract and legal memoranda on problems involving questions of substantive law procedure and legal ethics. This course must be taken in conjunction with Lw 101, Criminal Law and Torts.

Lw 122 Legal Research II/Writing 3 Crs.
To give the paralegal a working knowledge of the Connecticut Rules of Practice and Procedure. Heavy emphasis is placed on learning to draft pleadings, motions, memoranda of law, and appellate briefs. In addition, the code of Professional Responsibility is examined through class discussion and hypothetical examples. This course must be taken in conjunction with Lw 102, Contracts and U.C.C.

Lw 161 Legal Office Procedures 3 Crs.
A study of the work flow in a law office. Responsibilities in handling written communications and maintaining files, preparation of court documents, law office accounting, billing, and forms. Discussion of legal ethics. An internship may be taken as an alternative with special permission of the Program Director.

Lw 201 Business Organizations and Domestic Relations 3 Crs.
A general overview of the law of business organizations: formation, operation, and dissolution of partnerships, corporations, and limited partnerships with emphasis on practical application of this body of knowledge in the law office. The principles of agency law are also covered. Domestic relations: marriage, dissolution of marriage, separation agreements, custody, alimony, and child support are studied.

Lw 202 Property and Conveyancing 3 Crs.
An introduction to the law of real and personal property, nature of property, possession and its consequences, acquisition of property, and transfer. A study of practical problems involving conveyances from the drafting of purchase and sale agreements to the passing of papers, mechanics of the title examination, mortgages, and foreclosure.

Lw 203 Estates, Probate, and Taxation 3 Crs.
Students will be introduced to the basic concepts of estates and trust law, with emphasis upon creation and administration of same. Definitions, consideration of problems relative to the disposition of property, and the impact of federal income, inheritance, estate and gift tax will be discussed.

Lw/Po 213 Lobbying and The Legislative Process 3 Crs.
This course focuses on various factors which influence legislative decision-making, and the methods of lobbyists and public interest groups in intervening successfully in the legislative process. Also covered are ethical and legal boundaries for lobbying activity and the development of competency in research involved with legislative intervention by lobbyists and public interest groups.

Lw/Po 216 Congress and The Legislative Process 3 Crs.
An examination of Congress, its constitutional powers, historical development, internal processes and culture, as well as external influences - executive branch, interest groups, public opinion, and elections.
Lw 234/Po 351 Constitutional Law  3 Crs.
An inquiry into American constitutional law through the study of outstanding cases. Attention is given to the development of constitutional doctrines and the processes of legal reasoning.

Lw/Cj 235 Arrest-Search-Seizure  3 Crs.
An in-depth discussion of the arrest powers held by various criminal justice personnel and of the major principles of search and seizure.

Lw/Hr 236 Employer/Employee Law
Course designed to provide an understanding of certain legal aspects that pertain to employment of personnel/human resources. Course includes an introduction to legislation and the regulatory process, equal employment opportunity, Workingpersons’ Compensation, job health, and safety. Emphasis will be placed on compensation and benefit plans. Instruction will be through case study and analysis of pre-prepared employment documents.

Lw 237/Cj 210 Family Law  3 Crs.
This course will cover the legal entanglements in which people find themselves and the rights of middle and lower income groups. Topics will include support obligations, legal positions of married women, abuse of women and children, legal disability of minors, dissolution of marriage, alimony, support and custody procedures, separation agreements, and adoption. Prerequisites: Lw 101 and Sophomore standing.

Lw 238 Litigation and Civil Procedures  3 Crs.
Students will be introduced to the differences between civil and criminal litigation, courts and their jurisdiction, substantive law, investigation of facts, commencement of law suit and preparation of pleadings and motions, discovery, preservation of facts and preparation for trial, decisions and settlements, post-trial motions and appeals, techniques of legal research, file maintenance, and docket control. Prerequisite: Sophomore standing.

Lw 239/Cj 211 Women and the Law  3 Crs.
This course will trace the development of sex discrimination as a legal and social phenomenon. The law will be covered in terms of its historical perspective. Emphasis will be placed on the developments of the 1960’s and 1970’s with respect to constitution law, employment and employee benefits, education, criminal law, family law and reproductive freedom (contraception, abortion and sterilization.)

Lw 244 Administrative Law and Procedures  3 Crs.
A survey and study of the following concepts in administrative law: judicial review, rules and discretionary rule making, hearings, and informal actions.

Lw 246 Litigation in the Computer Age  3 Crs.
This course will give the student an understanding of the elements of causes of action in civil litigation cases, especially those involving personal injury, medical malpractice, and products liability. In addition, the use of word processors and/or computers to produce the hard copy pleadings and related materials in a quick, accurate, efficient manner from inception of suit to the trial will be discussed. Lab Fee: $25.00.

Lw/Ph 253 Philosophy of Law  3 Crs.
An inquiry into the philosophical foundations of the law in terms of social, political, economic, theological, and ethical considerations. The nature, sources, purposes, and methods of the law. Prerequisite: Ph 101.

Lw/Ph 254 Law and Ethics  3 Crs.
A philosophic inquiry as to the proper role of law in respect to contemporary moral problems, and the limitations such problems impose upon the law.

Lw/Mk 296 Marketing/Consumer Law  3 Crs.
An overview of marketing and consumer
law. Discussion of contract law and the law of sales (Article 2 of the Uniform Commercial Code). Other topics include: sales practices, products liability, pricing, consumer credit, patents, copyrights, and trademarks.

Lw/Po 321 Public Administration 3 Crs.
A survey course of administrative theories and skills for those intending to enter the public sector. Theories of public organizations, their legal and political framework, unions, planning, budgeting, communication, leadership, and other skills. Appropriate for those planning careers in service, non-profit organizations, or government agencies.

Lw/Po 325 Politics, Law, and Judicial Behavior 3 Crs.
The judiciary's role in the American political process is examined. Topics include: the nature of law, political influence in judicial decision making, court organization, judicial recruitment, and the powers and limitations of the judiciary.

Marketing Courses

Mk 261 Principles of Marketing 3 Crs.
The basic course in investigating the components of the marketing mix. The comprehensive managerial approach is employed and cases supplement each area of exploration. Topics covered are customer behavior, product policy, channels of distribution, advertising and promotion, price policy, marketing programs, and the legal aspects of marketing. Prerequisite: Bu 201.

Mk 262 Principles of Advertising 3 Crs.
An analysis of advertising from the managerial viewpoint of its relationship within the marketing mix. Social and economic aspects of advertising, practices and issues, analysis of media, the communications function, creative aspects including art and copy, and measures of effectiveness. Prerequisite: Mk 261 or permission of department.

Mk 263 Principles of Retailing and Merchandising 3 Crs.
History and development of the retail function and its relationship to the wholesaler and manufacturer. Store management, the buying function, elements of style and fashion, pricing policies, customer relations, store location, and sources of supply. Retail mathematics including markup, markdown, and turnover. Prerequisite: Mk 261 or permission of department.

Mk 265 Industrial Marketing 3 Crs.
A study of the special problems involved in the marketing of industrial products. Covers the following aspects of the industrial marketing program: organization, advertising and sales promotion, market research, product pricing, budgets and controls, and international marketing. Prerequisite: Mk 261.

Mk 266 Consumer Motivation 3 Crs.
Explores various fields of knowledge necessary to understand marketing behavior. Materials from Psychology, Sociology, Cultural Anthropology, and History are used in conjunction with marketing problems. The consumer is examined in terms of both individual and group buying behavior patterns; his process of arriving at buying decisions is appraised at both the retail and non-retail levels. Prerequisite: Mk 261.

Mk/Lw 296 Marketing/Consumer Law 3 Crs.
An overview of marketing and consumer law. Discussion of contract law and the law of sales (Article 2 of The Uniform Commercial Code). Other topics include: sales practices, products liability, pricing, consumer credit, patents, copyrights, and trademarks.

Mk 361 Marketing Management 3 Crs.
A broad study of the effective management of the marketing mix. The case approach assists in viewing the marketing manager's efforts as coordinated with the contributions of the segments of the firm. Provides understanding of marketing decision-making as being
wholly related to the firm’s goal, with a view to the larger context of society itself. Prerequisite: Mk 261.

Mk 362 Marketing Research 3 Crs.
Principle areas and methods of marketing research are explored including: mail, diary, panel, phone, and the personal interview. Various types of research are analyzed with stress on the information-gathering function of research as a means to more effective business decision making. Prerequisites: Mk 261 and Bu 241.

Mk 364 Sales Management 3 Crs.
Management of sales personnel, sales department organization, selecting, training and compensation plans, sales territories, motivation of sales personnel, quotas, budgets, and measurements of sales effectiveness. Analysis of the selling functions as related to consumer and industrial needs and requirements. Prerequisite: Mk 261.

Mk 365 Contemporary Marketing Problems 3 Crs.
Investigation of current marketing problems with emphasis on decision making in an environment of uncertainty. Analysis of modern marketing philosophy and trends. Course structured in a seminar atmosphere. Research paper required with maximum individual effort and minimum classroom work. Prerequisite: Six marketing credits or permission of instructor.

Mk 367 Industrial Marketing Research 3 Crs.
Marketing research techniques as utilized and practiced by corporations engaged in the marketing of industrial products or services. Prerequisites: Mk 261 and Bu 241.

Mk 399 Independent Study 1-3 Crs.
Students work on a special topic under the direction of an instructor. Permission of the instructor and departmental chairperson will be granted to qualified Business majors on the basis of a written proposal from the student.

Production Courses

Pd 275 Principles of Production and Inventory Control 3 Crs.
A comprehensive survey of the techniques and rationale of production and inventory control. Covers forecasting, inventory management, production planning, scheduling, and control. Prerequisite: Bu 241.

Pd 277 Purchasing — Policies, Procedures, and Techniques 3 Crs.
A comprehensive course in the concepts and methodologies of purchasing. Among the topics covered are the management of purchasing personnel, vendor relationships, performance standards, systems contracting, negotiating techniques, and materials management. It is designed to complement Pd 275, Principles of Production and Inventory Control.

Office Administration (Secretarial Science) Courses

Se 005 Speedwriting 3 Crs.
Designed to introduce the student to an alphabetic shorthand system. Continuous reinforcement placed on theoretical principles, brief forms, abbreviations, phrasing, and language arts skills. Emphasis placed on developing and refining the student’s reading and writing skills. Students are encouraged to progress to a minimum dictation speed of 60 wpm for three minutes.

Se 031 Legal Terminology 1 Cr.
Designed to introduce and acquaint the student with frequently used legal vocabulary which includes: pronunciation, spelling, definitions of legal words, and a variety of legal words and phrases. An overall view of the field will include Connecticut legal forms and documents, thus acquainting the students with various aspects and divisions of law and basic terminology related to each.

Se 040 Keyboarding 3 Crs.
(Open to non-secretarial majors only).
Designed to develop the basic touch key-
boarding skill needed for use with computer and word/data entry. Emphasis is placed in acquiring this skill in a minimum amount of time. Students will learn to input alphabetic, numeric, and symbol information into various types of word/information processing equipment. Students become knowledgeable of the basic vocabulary and concepts in keyboarding operations for inputting and retrieving information (information processing).

Se 041 Typewriting I
(Beginning Typewriting) 3 Crs.
The student will develop mastery of the Selectric keyboard, obtain knowledge of the manipulative parts of the typewriter, and learn the basic application of centering, tabulations, memorandums, business letters, and manuscripts. Proofreading skills will be developed. Lab fee: $25.00.

Se 042 Typewriting II
(Intermediate Typewriting) 3 Crs.
Students will further develop skills introduced in Typewriting I with emphasis on building speed, maintaining accuracy, and proofreading. Students will be introduced to formatting advanced business correspondence and the refinement of advanced production applications. Prerequisite: Se 041 or permission of Chairperson. Fee: $25.00.

Se 043 Typewriting III
(Advanced Typewriting) 3 Crs.
Designed for students to perform advanced problem-solving production projects while continuing speed development. Production projects will concentrate on technical and statistical typing, typing from handwritten and rough drafts, and specialized vocabulary and office applications. Prerequisite: Se 042 or permission of Chairperson. Fee: $25.00.

Se 051 Shorthand I 3 Crs.
Major emphasis is placed on the presentation of Gregg shorthand theory principles. There is continuous drill on word-building principles, brief forms, and phrasing. Reading and writing skills are developed in a symbolic shorthand system. Students progress to a minimum speed of 60 wpm for three minutes.

Se 052 Dictation and Transcription 3 Crs.
This course will emphasize building speed in taking dictation, strengthening knowledge of theory, developing business vocabulary, and building transcription skills. A major portion of the course involves the refinement of necessary skills in the transcription of mailable letters. Students will progress to a minimum dictation speed of 80 wpm for three minutes. This course may accommodate students with a background in a variety of shorthand systems. Prerequisites: Se 005 or Se 051, and Se 041.

Se 070 Machine Transcription 3 Crs.
Designed to familiarize the student with the terminology, techniques, skills, and operation of transcription equipment. Emphasis is placed on developing a basic business vocabulary, language art skills, and refining transcription techniques and skills to produce mailable documents. Prerequisite: Se 041.

Se 081 Medical Terminology I 1 Cr.
Designed to provide the student with an opportunity to develop a knowledge of medical terminology including pronunciation, definitions, and spelling of medical terms. Career opportunities, professional organizations, medical ethics, confidentiality, and professionalism are discussed in addition to introducing the students to various medical and dental specialties and reference materials.

Se 151 Administrative Secretarial Procedures I 3 Crs.
Continued development and reinforcement of shorthand and transcription skills. This course provides for the integration of basic secretarial skills appropriate to the role of the administrative secretary, including the ability to set priorities, exercise initiative, organize tasks, and make decisions—with progression to administrative/managerial responsibilities. Prerequisites: Se 042, Se 052, and Se 161.
Se 152 Administrative Secretarial Procedures II 3 Crs.
Continue to strengthen and refine the secretarial skills previously acquired and further develop speed and accuracy in a variety of transcription activities. A capstone course which simulates an office environment in which students are involved with a full spectrum of administrative tasks. Prerequisite: Se 151.

Se 161 Introduction to Office Procedures 3 Crs.
An introduction to the study of modern electronic office procedures. Topics will include the secretarial profession, written communications in the office, transmittal and administrative support services, financial aspects, and interpersonal skills. Prerequisite: Se 041.

Se 163 Field Office Experience 3 Crs.
This experience is designed to provide students with the opportunity to apply their secretarial skills in an actual office environment. Arrangements will be made with organizations in the local business community for a supervised work experience program. Attendance at scheduled monthly seminars is mandatory. Permission of Chairperson is required.

Se 170 Theory and Supervision in Word Processing/Information Processing 3 Crs.
This course is designed to introduce students to the basic theory and concepts of office automation. Each of the major principles of office automation and word processing will be discussed as well as major equipment components used in word processing, office systems, careers, and procedures. These principles will provide students with guidelines on how to implement office automation.

Se 171 Office Automation I 3 Crs.
This course is designed to provide the student with hands-on experience with automated office equipment. Emphasis is placed on creating, formatting, and editing documents. A variety of word processing equipment will be utilized: stand-alone text editors, microcomputers, personal computers, and electronic typewriters. Prerequisite: Se 042 or permission of Chairperson.

Se 172 Office Automation II 3 Crs.
This course is a continuation of Office Automation I with emphasis placed on advanced applications. Students will learn advanced procedures for stand-alone word processing equipment, integrated workstations, and other types of information processing equipment. Expertise in machine and equipment usage will be stressed. Prerequisite: Se 171.

Se 173 Information Processing Procedures I 3 Crs.
In this course students will be introduced to the technological and organizational changes in an automated office environment. Emphasis will be placed on information processing theory and concepts, the strategies used for composing business correspondence, output procedures and distribution, expediting travel arrangements, and telecommunications. Prerequisite: Se 161 or permission of Chairperson.

Se 174 Information Processing Procedures II 3 Crs.
This course is intended to prepare students for supervisory positions in the automated office. Emphasis will be placed on the development of advanced skills, knowledge, and expertise in information processing concepts. The major responsibilities of an information-processing specialist will be stressed through problem-solving applications using automated office equipment. Prerequisite: Se 173.
Division of Humanities and Social Sciences

Anthropology Courses

An 100 An Anthropological Profile of Slavic Culture: The Ukraine, Lithuania, and Poland 3 Crs.
Anthropological analysis of Eastern Europe based upon Slavic Culture and the processes that cause this common identity to be one, but divergent; the family, religion, politics, and economics, within the three major areas of Eastern Europe.

An 101 Physical Anthropology ‡‡ 3 Crs.
The origin and evolution of man. Contemporary theories and developments in genetics, pre-history, and cultural differentiation.

An 102 Cultural Anthropology ‡‡ 3 Crs.
Study of the origin and development of human culture. Emphasis is placed upon such areas of cultural expression as language, religion, and art as well as cultural change, food acquisition, and kinship in primitive societies. Prerequisite: So 101 or An 101.

An 103 Anthropology of a Changing Culture: America Now ‡‡ 3 Crs.
Analysis of the major changes taking place within the dominant American Culture; the family, government, religion, education, and economics, with the anthropological implications of these changes as signs for the times and the conclusions indicated by such changes.

An 200 Anthropology of Art 3 Crs.
The study and analysis of art in its full expression—plastic, verbal, and performing—as a social barometer on man, in his relationship to self and others, and in his behavior, both personal and collective.

Art Courses

Ar 101 Art in the Western World ‡‡ 3 Crs.
A study of the ideas and arts of those cultures that initiate and develop into the Western tradition, presented through selected illustrated examples from ancient to modern periods. Includes an analysis of the basic characteristics of the art and architecture of these eras in the context of general cultural trends.

Ar 104 American Art: Colonial to Modern ‡‡ 3 Crs.
A study of the ideas and ideals in American art in reference to the European mainstream. Emphasis on the styles and forms of the American environment and experience that constitute the characteristic tradition in painting, sculpture, and architecture.

Ar 110 Design: Visual Organization ‡‡ 3 Crs.
An investigation of the compositional elements of art structure. Principles of two-dimensional design taught through a series of experimental exercises and applied problems in the visual organization of line, shape, tone, texture, and space with emphasis on their value in the communication of ideas.

Ar 111 Design: Color 3 Crs.
Discover and experiment with the interaction of shape, space, light, and texture as related to color. A study of the influence of color interaction on color perception and color symbolism with problem emphasis on the creation of space and pattern through value, chroma, and intensity control. Prerequisite: Ar 110.

Ar 112 Design: Three-Dimensional Graphics 3 Crs.
Exploration of the fundamental concepts of three-dimensional design. Emphasis on basic
problems dealing with mass, volume, and planes in space using various materials. Prerequisite: Ar 110.

**Ar 120 Drawing I** 3 Crs.
An exploration of the fundamental problems of composition and perception as related to drawing. Experimentation with varied media directed toward both the descriptive and expressive visual conceptualization of ideas.

**Ar 130 Painting I** 3 Crs.
An introduction to painting methods and media. Guided experimentation in several media with emphasis on content, color interaction, and properties of the media. Prerequisite: Ar 111 and Ar 120.

**Ar 131 Watercolor** 3 Crs.
A beginning course dealing with the basic understanding of various techniques and methods of painting with watercolors. Emphasis will be given to the process as it relates to visually defining nature forms, still life, landscape, and the human figure. Compositional elements will also be stressed. Prerequisite: Ar 120.

**Ar 140 Sculpture** 3 Crs.
Investigation of basic sculptural elements, concepts, and materials. Emphasis on the aesthetic and structural aspects of three-dimensional reality. Prerequisite: Ar 110.

**Ar 155 Basic B/W Photography** 3 Crs.
A course designed to meet the needs and interests of the beginning photography student. Slides, discussions, and darkroom experience covering the camera, F-stops, filters, lenses, developing, and printing. Experimentation in artificial lighting and special effects, i.e., solarization, texture screens, etc. Prerequisite: Ar 110, Art major, or permission of the department. Fee: $15.00.

**Ar 160 Illustration Methods** 3 Crs.
Explores the use of materials and techniques used in graphic illustration for reproduction. Emphasis on effective use of media for development of creative concepts and imaginative ideas. Prerequisite: Ar 220.

**Ar 201 Studies in Modern Art** 3 Crs.
An analysis of the works and questions raised by the arts of the 19th and 20th centuries. The roles of modern artists as they reflect, criticize, and project or prophesize on life in the 20th century are emphasized.

**Ar 204 Renaissance Art** 3 Crs.
A critical discussion of the historical, conceptual, and formal changes in the visual arts within the 15th and 16th centuries. Includes an analysis of the influence of Italian and Northern painting on the culture of Europe.

**Ar 205 European Art: 17th-19th Century** 3 Crs.
A course treating the major developments in painting, sculpture, and architecture during the 17th and 18th centuries, as modified by the historical situations and humanistic values in specific countries.

**Ar 206 Contemporary Art** 3 Crs.
Examines art currently being shown in galleries and museums. Surveys the development of the new approaches to form and analyzes the formal idea as related to execution and content. A study of European and American art from 1920 to the present. Prerequisite: Ar 201.

**Ar 210 Design: Letterforms** 3 Crs.
Discovery of the expressive and abstract qualities of letterforms. Exploration of their use in illustration and design formats. Experience in creative lettering and calligraphy. Prerequisite: Ar 110.

**Ar 211 Typography/Layout** 3 Crs.
An introduction to classical and modern letterforms, the mechanics of type composition, and the fundamentals of layout. Consideration given to the selection of proper type and layout that enhances the thought and idea and
strengthens the visual presentation. Problems dealing with letterforms as design, layout, type specification, and indication. Prerequisite: Ar 110. Fee: $15.00.

**Ar 212 Graphic Processes** 3 Crs.
An exposition of printing methods including various processes in platemaking, die-cuts, embossing, full-color process printing, and current technical innovations. Studio experience in the preparation of art copy to the printer, mechanics, paste-ups, and color separations. Prerequisite: Ar 211. Fee: $15.00.

**Ar 220-221 Drawing II, III** 6 Crs.
Ar 220 is a continuation and expansion of the ideas, techniques, and media related to the control of drawing as both analytical and inventive. Development of the student's ability to conceive the figure as form and volume with stress on gesture, proportion, and anatomy. Emphasis on a refinement of technique for individual expression and self-awareness. Prerequisite: Ar 220. Fee: $15.00.

Ar 221 is an intensive investigation of media and form as related to the figure. Problems progress from structural ideas to more sophisticated exploitation of subject matter and finally to individual interpretation. Prerequisite: Ar 220. Fee: $15.00.

**Ar 222 Composition and Drawing** 3 Crs.
Analyzing the major areas of composition and drawing. Expanding visual awareness by developing control of drawing as a tool for research and invention. Problems progress from simple structural analysis to more sophisticated exploitation of subject matter and finally to individual interpretation.

**Ar 223 Three-Dimensional Drawing** 3 Crs.
A course dealing with the problems of perspective (linear, atmospheric) volume and mass, cast shadows, and delineation drawing and drafting. Prerequisite: Ar 120.

**Ar 230-231 Painting I, II** 6 Crs.
Ar 230 continues the development of painting techniques in several media with emphasis on pictorial organization and color sensitivity. Focus on development of creativity and individually including both objective and non-objective processes and concepts. Prerequisite: Ar 130.

Ar 231 is an advanced study toward the development of individual expression. The exploration of independent compositional ideas and technical means related to content. Critiques and evaluations are constant. Prerequisite: Ar 230.

**Ar 250 Printmaking: Relief Processes** 3 Crs.
An introduction of the basic graphic processes in printmaking, concentrating on the expressive aspects of various media. Explores the relief processes, including black and color woodcut techniques. Prerequisite: Ar 120. Fee: $15.00.

**Ar 251 Printmaking: Silkscreen** 3 Crs.
A study of the processes of serigraphy, including the four basic stencil techniques and their variations: hand cut film, tusche, glue, cut and torn paper. Also included are phototechniques using prepared films and screens. Prerequisite: Ar 111. Fee: $15.00.

**Ar 255 Photo Graphics** 3 Crs.
A continuation and expansion of basic B/W photographic techniques in a controlled setting. Covers the use of graphic films, Kodalith, Color Key, and silkscreening methods. Photographic images transferred to a silk screen for reproductive purposes will be discussed from both fine art and commercial aspects. Prerequisite: Ar 155. Fee: $15.00.

**Ar 260-261 Illustration I, II** 6 Crs.
Ar 260 is an introduction to illustration as a communications medium. Development of effective techniques with emphasis on composition, design, and originality. General
technical study of illustration and its related elements to the total format. Fundamental studio problems stressing graphic sensibility related to many levels of communication. Prerequisite: Ar 220. Fee: $15.00.

Ar 261 is a development of the visual communication of ideas with emphasis on the technical and graphic means for conveying visual impact. Expanded technical usage of full color, line, and halftone methods of illustration. Problems and assigned projects related to individual interests. Prerequisite: Ar 260. Fee: $15.00.

Ar 262 Head Painting and Drawing 3 Crs.
Structural painting and drawing of the head and its character. Emphasis on historical and traditional methods of representation using various media and techniques: tonal drawing, acrylic, tempera, oil, etc. Prerequisite: Ar 220. Fee: $15.00.

Ar 264 Advertising Illustration 3 Crs.
Deals with the imparting of visual impact and excitement for the selling of products and services. Developing and finishing illustrations for advertising with consideration for reproduction requirements. Problems dealing with line, black and white, limited, and full color advertising. All media. Prerequisite: Ar 261.

Ar 270-271 Graphic Design I, II 6 Crs.
Ar 270 focuses on the application of design principles as related to visual communication. Includes the development of layout techniques, paste-ups, typographic design, illustration, and photography as related to print media, package design, publication design, corporate identity systems, etc. Emphasis on the ability to create effective problem-solving concepts. Prerequisite: Ar 212. Fee: $15.00.

Ar 271 develops the ability to solve specific design problems in all areas of visual communication. Establishing the idea from rough layout to tight comps and coordinating the elements to create effective visual statements. Prerequisite: Ar 270. Fee: $15.00.

Ar 272 Advertising Design 3 Crs.
Explores aspects of print advertising, its creation, and presentation. Stresses concepts as related to advertising promotion. Layouts, tight comps, and presentations are required. Prerequisite: Ar 270. Fee: $15.00.

Ar 273 Comp Rendering 3 Crs.
Involves the use of various techniques employed in presenting ideas to clients in a clear, precise visual language. Special emphasis will be placed on the efficient use of markers to prepare quick idea sketches and finished comp rendering. Prerequisite: Ar 220.

Ar 320 Drawing IV 3 Crs.
Advanced problems of perception, structure, anatomy, and concepts in drawing the human figure. Focus on independent development of the expressive use of various drawing media. Prerequisite: Ar 221. Fee: $15.00.

Ar 330 Painting IV 3 Crs.
Studio emphasis on the development and clarification of personal and imaginative statements. Initiative and discipline toward the production of a sustained body of consistent work is expected. Includes the development of an independent painting project. Prerequisite: Ar 231.

Ar 360 Illustration III 3 Crs.
An advanced series of studio problems related to the student’s specific area of illustration. Emphasis on solutions both practical and relevant to professional needs and demand. Assignments are geared for application to the student’s portfolio. Prerequisite: Ar 261.

Ar 363 Editorial Illustration 3 Crs.
Illustration in conjunction with the short story. Preparation of idea sketches in relation to the text and page layout. Presentations in-
clude finished illustrations, a resume of the text, and a layout of text and illustrations. Prerequisite: Ar 261. Fee: $15.00.

Ar 364 Advanced Advertising Illustration 3 Crs.
Complex problems dealing with interpretation and clarity in the visual communication of ideas. Advanced problems involving illustrative drawing and complete layout for booklets, brochures, and direct mail in black, white, and color. Prerequisite: Ar 264.

Ar 370 Advanced Graphic Design 3 Crs.
An in-depth investigation of realistic promotional programs ranging from concept to finished visual. Emphasis on individual creative solutions relative to product and idea, budget, and client. Prerequisite: Ar 271. Fee: $15.00.

Ar 390 Portfolio Preparation 3 Crs.
Development of a graduate portfolio geared toward the professional goals of the student. Includes an inventory of past assignments and suggestions for complimentary ones. Guidance from faculty and visiting professionals.

Ar 391 Senior Project 3 Crs.
An in-depth study for painting majors. Encompasses problem solving and technique indicative of the ability to work as a mature and independent artist.

Ar 399 Independent Study 1-3 Crs.
Individual problems performed in a classroom or private studio. Students must have completed the most advanced course in the area selected for independent work. Admission arranged in consultation with faculty.

Communication Courses

Ca 021 Effective Communication † 3 Crs.
An exploration and analysis of the total communication process (source, message, channel, receiver), through instruction and practice in individual self-expression as well as interpersonal activity sessions, small group communication exercises, and oral interpretation of literature.

Ca 121 Advanced Effective Communication 3 Crs.
This course is designed for the student who wishes to expand and refine the composition and presentation skills mastered in Ca 021. It affords the student opportunities for guided experimentation in those speech situations pertinent to his needs (i.e., business, education, law, politics, etc.) Prerequisite: Ca 021.

Ca 131 Interpersonal Communication 3 Crs.
The goal of this course is to improve the student’s ability to communicate. Recent research to be covered deals with communication models, transactional analysis, communication games, breakdowns and barriers, non-verbal communication, group communication, and audience analysis.

Ca 141 Introduction to the Theater 3 Crs.
A survey course which introduces theater as a form of literature, a performing art, and a profession. Students will be required to act in or work behind-the-scenes on a departmental production and will attend performances of plays at professional, university, and/or community theaters. Several plays will be read and discussed. Short papers required.

Ca 151 Story Theater 3 Crs.
This course focuses on the origin of the art of storytelling. Students develop such basic performance skills as concentration, relaxation, and spontaneity and apply them to both scripted and nonscripted material: short stories, fairy tales, myths, poetry, and material created by the participants themselves through improvisation. Music, dance, and mime may be offered whenever possible. Prerequisite: Ca 021 or permission of instructor.
Ca 161-162 Theater History I, II   6 Crs.
Ca 161 is a survey of theatrical and dramatic history from the Greeks to the end of the 17th century. Ca 162 focuses on the theatrical and dramatic history from the end of the 17th century to the present. The course sequence examines the evolution of the various elements of play production, theater architecture, and the stage, costumes, scenery and lighting, acting and directing, music and dance, theater management, and the audience. Oral reports and a research paper are required. Prerequisites: Ca 021, En 012, or permission of the instructor.

Ca 171-271 Acting I, II   6 Crs.
Ca 171 explores the actor's "instrument", body, voice, thoughts, and feelings. Basic physical and vocal work including exercises in relaxation, flexibility, concentration, alignment, centering, breathing, and sound. Theater games designed to free the actor's imagination and to develop his improvisatory skills. Prerequisite: Ca 021 or permission of instructor.

Ca 271 is a continuation of the work begun in Ca 171, and its application to the process of scene study and the building of characters. Attention given to script analysis, rehearsal techniques, and selected special problems such as Shakespeare, acting styles, and auditioning. Prerequisite: Ca 171 or permission of instructor.

Ca 181 Fundamentals of Dance   1 Cr.
A dance class concentrating on several areas of movement, including tap and jazz, modern dance, and improvisational theater movement. The course will focus on "the dance" as a means of both personal and theatrical expression and fulfillment. Some aspects of choreography will also be included.

Ca 221/Bu 221 Business Communications   3 Crs.
A course in the practice of oral and written communication skills as they apply to the corporate level of business. Students will be required to do public speaking; memo, letter, and report writing; group communication projects; analysis of communications; and resume writing and interview preparation. Recommended prerequisites: En 011, En 012, and Ca 021. Students with the prerequisites will have priority in admission to the course.

Ca 261 Public Speaking   3 Crs.
A performance course in the organization and delivery of the extemporaneous speech to inform and persuade, stressing selection, analysis, organization, evaluation, and communication for constructive influence in speech situations.

Ca 270 Nonverbal Communication   3 Crs.
This course seeks to familiarize students with the means by which we consciously and unconsciously communicate without words. Relevant research covered in this course includes proxemics, gestures, expressions, object language, touch, signs, and other aspects of nonverbal communication.

Ca 273-274 Drama Workshop   6 Crs.
The Drama Workshop produces three to five presentations on campus per year. The productions are wide ranging in period, style, and genre.

Ca 275-375 Drama Practicum   6 Crs.
The Drama Practicum offers students on-location experience at a professional theater. Advanced students may serve as under­studies for professional actors.

Ca 280 Oral Interpretation of Literature   3 Crs.
An introduction to the study of literature from the viewpoint of the oral reader. Theories of criticism and aesthetics as well as study of voice and communication are fused into the re-creative art of oral interpretation.
Criminal Justice Courses

Cj 101 Introduction to Criminal Justice 3 Crs.
A basic course designed to provide the student with an overview of the criminal justice system and its processes. The system is studied as a total interacting body, police, parole, probation, law enforcement, courts, corrections, and diversion programs. Prerequisites: So 101 and Ps 101.

Cj 200 Constitutional Law 3 Crs.
The development of the Constitution through interpretations of the Supreme Court. A study of civil rights and civil liberties. Prerequisite: Cj 101.

Cj 201 Criminal Law Procedure 3 Crs.
Substantive aspects of criminal law emphasizing statutory criminal law against the background of common law. Examination of the purpose and goals of criminal law and a study of the historical development of its basic concepts. Prerequisite: Cj 101.

Cj 210/Lw 237 Family Law 3 Crs.
This course will cover the legal entanglements in which people find themselves and will consider the rights of middle and lower income groups. Topics will include support obligations, legal positions of married women, abuse of women and children, legal disability of minors, divorce, alimony, support and custody procedures, separation agreements, and adoption. Prerequisite: Cj 101.

Cj 211/Lw 239 Women and the Law 3 Crs.
The course will trace the development of sex discrimination as a legal and social phenomenon. The law will be covered in terms of its historical perspective. Emphasis will be placed on the developments of the 1960's and 1970's with respect to constitutional law, employment and employee benefits, education, criminal law, family law, and reproductive freedom (contraception, abortion, and sterilization).

Cj 220 Introduction to Corrections and Correctional Law 3 Crs.
This course acquaints the student with the entire concept of corrections, including the historical development of control of human behavior in society. A study of the principles and practices of law as it applies to those persons confined in city, county, state, and federal detention facilities. Established guidelines as set forth by the U.S. Supreme Court decisions are covered. Prerequisite: Cj 201.

Cj 221 The Juvenile Correctional System 3 Crs.
This course includes a survey of juvenile correctional institutions. Community treatment programs, juvenile probation, and after care are included. Prerequisites: Cj 220 and So 271.

Cj 222 The Adult Correctional System 3 Crs.
This course includes a survey of adult correctional programs. Probation and parole service along with Board of Pardon and Parole are included. Prerequisites: Cj 220 and So 270.

Cj 223 Interviewing and Counseling 3 Crs.
Practice-oriented course designed to provide the student with the basic techniques of counseling, as well as with an understanding of the structure and development of the counseling process. Prerequisite: Cj 200.

Cj 230 Introduction to Law Enforcement 3 Crs.
This course acquaints the student with the law enforcement system in the United States. The course includes police activities and their relationship to the criminal justice system. Prerequisite: Cj 201.

Cj 231 Police and Society 3 Crs.
Sociological study of the role of police in so-
Ciety. The law enforcement system, functions, and dysfunctions of society. Problems of social control and law enforcement in a complex pluralistic society. Prerequisites: Cj 270 and Cj 230.

CJ/LW 235 Arrest-Search-Seizure 3 Crs.
An in-depth discussion of the arrest powers held by various criminal justice personnel and of the major principles of search and seizure.

Cj 238 Police and Patrol Administration and Management 3 Crs.
Formulation of policies, practices, and procedures for the internal and external direction and control of the law enforcement agency are emphasized. A study of patrol as the basic function of police operation. Prerequisites: Bu 201 and Cj 230.

Cj 240 Introduction to Security 3 Crs.
A discussion of the historical, theoretical, and legal basis of security, including the purpose of security in modern society, ethics and security, standards, and goals for the security industry. Prerequisite: Cj 101.

Cj 241 Security Management and Planning 3 Crs.
A survey of managerial techniques, theories, and planning strategies relevant to the security industry. Prerequisites: Cj 240 and Bu 201.

Cj 242 White-Collar Crime 3 Crs.
This course is designed to introduce students to the criminal activity popularly known as white-collar crime. Through discussion of the parameters and magnitude of white-collar crime and of the literature that has been proffered as explanations for it, the student will be introduced to the "role" of white-collar crime in modern society. Prerequisite: Cj 241.

Cj 243 Organized Crime 3 Crs.
In this course the historic roots of organized crime, the casual factors of organized crime in American society, the activities, organization, and economics of organized crime, the problems of corruption and graft, and the development of strategies to control the activities of organized crime will be discussed. Prerequisite: Cj 241.

Cj 270 Issues and Problems in Criminal Justice 3 Crs.
Description and analysis of crucial issues and problems relating to selected structures and processes in the criminal justice system. Review and analysis of recent studies concerning criminal justice. Prerequisite: Cj 201.

Cj 320 Correctional Administration and Management 3 Crs.
A study of the principles and practices applied to administration and management within the field of corrections. Investigation of interrelationship between organizational behavior and treatment programs. Examination of factors involved in correctional decision making and innovative management techniques through lectures and readings. Prerequisites: Bu 201 and Cj 220.

Cj 321 Probation, Pardon, and Parole Procedures, and Supervision 3 Crs.
This course is designed to teach the application of probation, pardon, and parole methods for both juveniles and adults. An analysis will be given of the most effective methods and techniques as they apply to these services.

Cj 330 Police-Community Relations 3 Crs.
The role of the individual officer or agent in achieving and maintaining positive public response, intergroup relations, and public information. Prerequisite: Cj 231.

Cj 333 Investigation in Law Enforcement 3 Crs.
A study of investigative techniques and an
analysis of the relationships of investigative units with other law enforcement units and agencies, sources of information, methods of surveillance, preliminary and follow-up investigation, and preparation and presentation of comprehensive reports of investigation. Prerequisite: Cj 235.

Cj 335 Contemporary Police Issues and Problems 3 Crs.
A seminar concerning the identification and understanding of police problems in modern law enforcement. Prerequisite: Cj 231.

Cj 339 Police Personnel Administration and Supervision 3 Crs.
A study of the procedures and techniques related to selection, placement, classification, pay, evaluation, and discipline of police personnel. Detailed discussion of the responsibilities of first-level supervisors in management including employee motivation and morale, employee relations, employee health and safety, work analysis, and grievance procedures. Prerequisites: Bu 207 and Cj 238.

Cj 340 Industrial Security 3 Crs.
A discussion of security techniques, theories, legal questions, and managerial problems as they relate to the manufacturing, industrial, and corporate business establishment. Prerequisite: Cj 241.

Cj 341 Retail Security 3 Crs.
A study of the responsibilities and operations of security departments in retail settings. Topics include dishonest employees, shoplifters, management and public relations, special laws and procedures, security surveys, and loss prevention management. Prerequisite: Cj 241.

Cj 342 Managerial Security 3 Crs.
A survey of the procedures for handling and control of classified and sensitive information. Included in discussions will be an examination of the role of data processing, background investigations of managerial personnel, and government-mandated security procedures in the security industry. Prerequisite: Cj 241.

Cj 345 Contemporary Issues in Security 3 Crs.
A discussion of the dynamic nature of the security industry. Prerequisite: Senior standing.

Cj 390 Internship 6 Crs.
Supervised placement in a criminal justice agency. Prerequisite: Senior standing and permission of the department.

Education Courses

Ed 101 Educational Psychology 3 Crs.
An introductory course that considers the application of psychological principles to educational theory and practice. It includes a systematic study of the process of learning, transfer of knowledge, individual differences, motivation, measurement, and evaluation, insofar as these factors influence the teaching process.

Ed 152 Education in the United States 3 Crs.
An introduction to the historical, philosophical, and sociological foundations underlying the development and organization of education in the United States.

Ed 202 Developmental Psychology for Teachers 3 Crs.
A study of developmental changes in the total life span of the normal person and the application of this knowledge to the teaching process.

Ed 203 Personal and Professional Effectiveness 3 Crs.
This course deals with various models of interpersonal relations as they affect the success of helper-helpee relationships. Self-awareness, verbal and non-verbal communication, and other interactive techniques are explored to promote positive results with young people.
Ed 204 Tests and Measurements 3 Crs.
This course focuses on teacher interpretation of psycho-educational assessment data and the translation of those data into remedial instructional plans for the emotionally disturbed and learning disabled.

Ed 205 Education of Special Needs Students 3 Crs.
This course focuses on the identification of exceptional students as well as methods of meeting their educational needs in regular and special classroom settings. Exceptionalities studied include all areas defined as special according to Public Act No. 84-298.

Ed 206 Models of Early Childhood Programs 3 Crs.
This course examines the historical, philosophical, and cultural roots of contemporary early childhood education. The course examines contrasting early childhood education models, such as the Montessori method, the cognitive-based model, the child development model, and the British Primary Schools. Current issues and innovation in early childhood education are discussed.

Ed 207 Discipline and Classroom Management 3 Crs.
Various models of instructional management and classroom discipline are discussed and demonstrated. Students learn specific skills that will help them be effective in a large variety of tasks required of the classroom teacher.

Ed 211 Methods of Teaching Reading and Language Arts
A study of methodology in the areas of reading instruction and language arts. Field experience is an integral part of this course.

Ed 222 Methods of Teaching Mathematics 3 Crs.
Includes the techniques of teaching mathematics. Field experience is an integral part of this course.

Ed 223 Methods of Teaching Social Studies, Science, and Health 3 Crs.
This course includes the techniques of teaching science, social studies, and health. Field experience is an integral part of this course.

Ed 249 Curriculum in Early Childhood 3 Crs.
Find new ways of integrating the creative arts, the sciences, and academic skills areas into the early childhood curriculum. Approaches to language development, listening skills, beginning reading, classroom organization, parent-teacher relationships, and techniques for adapting the curriculum to meet the individual needs in normal childhood development will be discussed.

Ed 250 Creative Play, Movement, and Art for Early Childhood 3 Crs.
This course will explore the importance, value, and implementation of creative play, movement, and art activities for preschool and primary grade children. This includes experimentation with and the use of various media, techniques, and methods for the decorative and practical arts; and participation in movement activities as a medium for expression.

Ed 262 Secondary Methods: English 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school English. Field experience is required.

Ed 263 Secondary Methods: History and Social Studies 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school history and social studies. Field experience is required.

Ed 264 Secondary Methods: Spanish 3 Crs.
A comprehensive study of the principles,
methods, and materials for teaching junior and senior high school Spanish. Field experience is required.

**Ed 265 Secondary Methods: Business**

A comprehensive study of the principles, methods, and materials for teaching junior and senior high school Business. Field experience is required.

**Ed 266 Secondary Methods: Mathematics**

A comprehensive study of the principles, methods, and materials for teaching junior and senior high school Mathematics. Field experience is required.

**Ed 267 Secondary Methods: Science**

A comprehensive study of the principles, methods, and materials for teaching junior and senior high school Science. Field experience is required.

**Ed 270 Production and Use of A/V**

This course is designed to promote the use of audio/visual material for instruction. The focus will be to explain and demonstrate the operation and use of A/V equipment and to give students the opportunity for practical application of the content covered.

**Ed 271 Computer Literacy**

This introductory course investigates how computers can be used in the classroom, and what you must know to operate an instructional microcomputer. This course will focus on a hands-on approach to using an educational microcomputer and will not include programming. Commercial software will be demonstrated and criteria for the evaluation of educational software will be discussed.

**Ed 272 Health in Youth**

The focus will be on the practical acquisition and application of knowledge of health and safety to enhance the skills necessary to screen and promote the physical, social, emotional, and mental well-being of the young.

**Ed 342 Teaching Reading and Writing in Content Areas**

This course teaches the fundamental principles of teaching reading and writing. Current methodologies and motivational strategies are taught. Students will learn how to: effectively use their content area text book; assign, organize, and evaluate written work; develop positive student attitudes toward reading and writing as lifetime skills.

**Ed 387 Children’s Literature**

This course will examine a variety of children’s literature to cultivate student interest in books and to develop methods for incorporating literature into classroom experiences. Criteria for selecting children’s books are also considered.

**Ed 391 Student Teaching Seminar—Elementary**

This seminar, which meets weekly in conjunction with the full-time student teaching assignment, focuses on the teaching-learning process as it is being experienced in the elementary school. Related issues such as teacher competencies, evaluation, supervision, and self-assessment; curriculum planning, implementation, evaluation, and situational topics are explored. Fee: $100.00.

**Ed 395 Student Teaching Seminar—Secondary**

This seminar, which meets weekly in conjunction with the full-time student teaching assignment, focuses on the teaching-learning process as it is being experienced in the secondary school. Related issues such as teacher competencies, evaluation, supervision, and self-assessment; curriculum planning, implementation, evaluation, and situational topics are explored. Fee: $100.00.
Course Descriptions 103

Ed 399 Independent Study 3-9 Crs.
Directed individual study of an approved specific problem or special topic not covered by, or that goes beyond the scope of, regular course offerings.

English Courses

En 005-006 Freshman Rhetoric: College English for Foreign Speakers 6 Crs.
Designed to aid the non-native speaker in augmenting fluency in oral and written English. Needs will be assessed, and each student will receive instruction based on his particular needs. English Placement/Proficiency Test required.

Ed 009 Reading Improvement and Study Skills 3 Crs.
A college skills course focused on developing more efficient study and reading techniques. Study skills will include previewing through reviewing of courses, texts, and tests. Improved reading comprehension, speed, and vocabulary will be emphasized within a reading laboratory setting.

En 010 Basic Studies: Reading and Writing Skills 6 Crs.
Within a workshop atmosphere, students receive intensive instruction in basic skills. The course provides practice in strengthening the student's reading, writing, and study skills which will be needed for all college level work. English Placement/Proficiency Test required.

En 011 Freshman Rhetoric: Shorter Forms † 3 Crs.
A systematic and practical introduction to the techniques of effective writing. The course stresses the rudiments of traditional rhetoric and provides supervised practice in writing of essays. English Placement/Proficiency Test required.

En 012 Freshman Rhetoric: Longer Forms † 3 Crs.
A continuation of En 011. This course deals especially with the writing of argumentative-expository essays and the application of advanced rhetorical principles. Training in basic research methods is stressed. Prerequisite: En 011.

En/Hn 091-092 English Honors Seminar 6 Crs.
This freshman honors seminar combines the studies of oral and written English. Emphasis is placed on expository writing and the discussion and synthesis of themes and concerns fundamental to suggested supplementary readings. En 091 explores the total oral communication process (source, messages channel, receiver) through instruction and practice in individual self-expression as well as interpersonal activity sessions. By permission of the department only.

En 092 is a continuation of En 091. The seminar studies the research process and culminates in a long research project. The oral component is also continued and students are provided with practice in oral interpretation of literature as well as group communication situations. By permission of the department only.

Upon successfully completing En 091 and En 092, the Ca 021 requirement is waived.

En 101 Approaches to Literature † 3 Crs.
This introduction to literature course will provide students with the experience of literature in fiction, poetry, and drama; introduce critical techniques; familiarize students with critical and technical vocabulary; introduce a broad spectrum of critical approaches; require written work; and introduce research tools specific to literature.

Beginning with the Fall 1987 semester, this course will be a prerequisite for all upper division literature courses, Theatre History I and II, and Oral Interpretation of Literature. Prerequisite: En 012.

En 102 The Experience of Literature †† 3 Crs.
This course, designed for the freshman as a
general elective, has special topics which vary each time it is offered. This course does not satisfy the English major or minor as a requirement or as an elective.

**En 170-179 Studies in Writing: Special Topics**

A series of courses designed to meet the multitude of writing needs demonstrated by students in a variety of majors. Courses include writing of poetry, short story, fiction, non-fiction, free-lance writing, corporate writing, journalism, etc. Prerequisite: En 012.

**En 170 Journal Writing**

This course follows the Progoff method of journal writing which includes a series of in-class, private writing exercises aiming at self-discovery and tapping resources of creative energy. The course also features class trips that serve as the basis for descriptive journal writing exercises which stress description, narration, exposition, and the editing process. Some light reading is required.

**En 201 Masterpieces in Literature**

A course designed for general electives at the sophomore level. Description varies each time it is offered. Prerequisite: En 012.

**En 206 Studies in Language: Special Topics**

Topics vary each time the course is offered. Examples: language and human behavior, language and culture, language and politics, non-verbal communication, language and sex, language pollution, euphemism, contemporary language, verbal obscenity, language and advertising, language and prejudice, language and the media, metaphors and thought, psychology and language. Prerequisite: En 012.

**En 207 Studies in Language: Introduction to English Language Study**

A survey of the major changes in structure, vocabulary, and uses of the language from the earliest times to the present. This course will also present the more important findings of modern linguistic scholarship. Required for secondary education. Prerequisite: En 012.

**En/Ms 214 News Writing and Reporting**

An introduction to the basic news writing and journalistic reporting principles. Concepts of journalism will provide a format for an analysis of the news media and responsibilities of a journalist in today's society. The workshop sessions attempt to utilize the concepts in practical work. Prerequisite: En 012.

**En 230-239 Studies in Drama: Special Topics**

The focus and content of the course vary each semester but a given semester may involve itself with a study of American drama, modern drama (1850-present), theater of the absurd, classical Greek drama, comedy, tragedy, Elizabethan/Jacobean drama, period courses, or a specific dramatist or theme. The course studies plays as literature meant for stage production. Prerequisite: En 012.

**En 250 Literature in a New Land: Early American Writing**

From Plymouth Rock and Salem streets to the Catskill Mountains, American creativity burgeoned as it was released from narrow religious bonds. A study of the witch trials gives insight into early New England culture which often nursed superstition while denying creative output. A study of the native American Indian literature reveals another important aspect of our literary tradition. Prerequisite: En 012.

**En 255 Early American Black Literature**

A consideration of Afro-American literature from 1790 to 1900, including the slave narratives, the mockingbird school, and folk poetry. Prerequisite: En 012.
En 256 The Flowering of
New England † † 3 Crs.
The darkness and mystery of both human
motivation and nature itself occupied Ameri­
can writers of the 19th century. Primitive
beginnings in a sometimes savage new land
finally produced literature of profound psy­
chological depth which strangely presages
much of the post-Freudian, post-Nietz­
schean literature of this century. Emphasis on
Poe, Hawthorne, and Melville. Prerequisite: En 012.

En 257 From Dickinson to Eliot:
Out of the Woods and into
the Wasteland † † 3 Crs.
A study of writers from Dickinson to Eliot
reveals much about the emergence of charac­
teristically American styles and concerns.
Defines the problems caused by the exhaus­
tion of our frontier and the emergence of the
modern world, a world which magnified by
the first global war, produced the writers of
the wasteland, the "lost generation." Pre­
requisite: En 012.

En 258 From Faulkner to
the Present † † 3 Crs.
Modern American literature in content and
technique reflects 20th century preoccupa­
tion with the loss of faith in an omnipotent
creator and the rise of individual conscious­
ness, each a creator and center of a world
isolated from all other worlds. Current de­
velopments in American literature indicate
that authors have begun to devise myriad,
often amusing ways to overcome the dilem­
ma of radical alienation. Prerequisite: En 012.

En 265 Shakespeare † † 3 Crs.
The course explores a wide variety of
Shakespeare's plays from a literary as well as
a theatrical perspective, emphasizing the de­
velopment of Shakespeare as a dramatist
while relating his plays to their historical and
cultural context in Elizabethan England. Pre­
requisite: En 012.

En 280-289 Studies in
World Literature: Special
Topics † † 3 Crs.
Course description varies each time the
course is offered. Prerequisite: En 012.

En 310 British Literature
to 1603 † † 3 Crs.
An historical and chronological study of
major works of British poetry and prose,
beginning with Old English and Beowulf,
through the literature of the Middle Ages
with special emphasis on Chaucer, and on to
the Elizabethan poets; such as Wyatt, Surrey,
Sidney, Raleigh, and the poetry of
Shakespeare. Some drama, exclusive of
Shakespeare, will be included. Prerequisite: En 012.

En 312 Seventeenth Century
British Literature † † 3 Crs.
As writer Douglas Bush notes, at the begin­
ning of this time period, we find English
writers with one foot in the medieval world,
but by the end, we see that they have one foot
set in the modern world. The major concen­
tration in this course will be on the works of
Jonson, Donne, Herbert, Marvell, some of
the lesser Metaphysical and Cavalier poets,
and Milton. Prose writings of Browne, Bur­
ton, and Bunyan will also be dealt with.
Prerequisite: En 012.

En 313 Restoration and
18th Century Literature † † 3 Crs.
The English Civil War influenced this
period's literature which reflected the desire
to hold society together by manners, the
power of reason, and balance. It was also the
age of great satire and the stirrings of what
became "Romanticism." Dryden, Pope,
Swift, and Johnson will be read as well as
Restoration dramatists (Congreve, Etherege,
Wycherely) and early novelists (Defoe,
Richardson, Feilding). Prerequisite: En 012.
En 314 The Romantic Period in British Literature  ††  3 Crs.
Romanticism is a difficult word to define, but by studying the works of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats we may not only get closer to what this word means but also note how intimately the concerns of these poets are our own. And this age does not only belong to these figures: studying the early works of Austen, Scott, and Carlyle reminds us how often Romanticism and the reaction against Romanticism go hand in hand. Prerequisite: En 012.

En 315 The Victorian Period in British Literature  ††  3 Crs.
A study of a period that ranges from George Eliot to Lewis Carroll, John Henry Cardinal Newman, and Oscar Wilde. The course will explore the literature of Tennyson, Browning, Arnold, Dickens, Eliot, Newman, Ruskin, Pater, Swinburne, and others, with concentration on the roots of modernism developing behind the facade of Victorian “respectability” and “progress.” Prerequisite: En 012.

En 316 Twentieth Century British Literature  ††  3 Crs.
A period in which the artist, a product of middle class society, was often at war with that society, as in form and substance he explored ways of creating a self that transcended the traditional definitions that society imposes. Hardy, Hopkins, Shaw, Conrad, Woolf, Yeats, Joyce, Lawrence, Eliot, Beckett, and others with emphasis placed on the “classical” texts of modern literature. Prerequisite: En 012.

En 320-329 Studies in Poetry: Special Topics  ††  3 Crs.
Course description varies each time the course is offered. Prerequisite: En 012 or permission of instructor.

En 340-359 Studies in Fiction: Special Topics  ††  3 Crs.
Course description varies each time the course is offered. Prerequisite: En 012.

En 370 Studies in Writing: Special Topics  3 Crs.
A series of courses designed to meet the multitude of writing needs demonstrated by students in a variety of majors. Courses include writing of poetry, short stories, fiction, non-fiction, free-lance writing, corporate writing, journalism, etc. Prerequisite: En 012 or permission of instructor.

En/Ms 370 Newspaper Publication  3 Crs.
An introduction to newspaper publication, providing editing and publications practice. Emphasis will be on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting, and use of stylebooks. In addition, issues affecting newspaper production will be discussed including libel, production economics, and legal restrictions such as copyright and First Amendment rights. Prerequisite: Ms/En 214 or permission of instructor.

En 375 Advanced Composition  3 Crs.
An advanced expository writing workshop. The course stresses the discipline of researching, writing, editing, revision, and meeting specific deadlines. The procedures of the class include an involvement in class discussions on strategies of writing, participation in a one day a week writing workshop, and completion of all the assigned writing tasks. Prerequisite: En 012.

En 384-385 Studies in Black Literature: Special Topic  3 Crs.
A detailed study of such black authors as Hughes, Wright, Ellison, Brooks, Baldwin, Baraka, and others with attention to selected themes in four genres. Prerequisite: En 012.
En 386 Black Writers in America †† 3 Crs.
A consideration of black writers from Dunbar and Chesnutt to the present. Study of Harlem Renaissance writers, Wright, Ellison, Hayden, Brooks, Tolson, Baldwin, Baraka, and the Black Arts Movement. Some attention will be paid to the relation of the works to traditional images of blacks in America and to themes found in American literature as a whole. Prerequisite: En 012.

En/Ed 387 Children’s Literature 3 Crs.
A survey of children’s literature, including an introduction to the mythology and folklore of the world. Consideration will be given to techniques of motivating children to enjoy stories. Enrollment limited to students preparing to be elementary teachers.

En 388 Young Adult Literature 3 Crs.
A survey of adolescent and young adult literature, including an introduction to the mythology and folklore of the world. Consideration will be given to the techniques of teaching literature to young people. Enrollment limited to students preparing to be middle and senior high school teachers. Prerequisite: En 012.

En 390 Studies in Literary Criticism: Special Topics 3 Crs.
Course description varies. Prerequisite: En 012.

En 391 Departmental Seminar 3 Crs.
Advanced literary studies on a particular subject to be announced by bulletin prior to registration for the semester in which it is offered. Typical subjects include satire, Dickens, contemporary literature, etc.

En 398 Honors Seminar 3 Crs.
Open to qualified seniors by invitation of the department of English. The aim of the course is to enable students to synthesize their understanding of English and American Literature through the study of selected problems in literature and literary criticism.

En 399 Independent Study 1-3 Crs.
Work on a special topic to be arranged with an instructor who will direct this work. Permission of the department chairman will be granted to qualified English majors on the basis of a written prospectus. By special arrangement.

History Courses
Hi 001 Western Civilization to 1715 3 Crs.
A basic survey which seeks to explain the religious, intellectual, social, and economic evolution of Western civilization.

Hi 002 Western Civilization since 1715 †† 3 Crs.
Continuation of Hi 001. The course presents the major historical trends in the 18th, 19th, and 20th centuries.

Hi 101 Civilizations †† 3 Crs.
This course brings students into contact with the complexities of human history through a study of various topics and themes selected from major civilizations. The approaches utilized vary from a consideration of political structures to the examination of art, literature, and popular culture.

Hi 121 United States History to 1865 †† 3 Crs.
A survey of American development from the period of exploration to the conclusion of the Civil War. Major themes include the development of colonial society, the American Revolution and emergence of distinctive nationhood, 19th century expansion and economic growth, slavery, and the War for the Union.

Hi 122 United States History Since 1865 †† 3 Crs.
An analysis of the period of Reconstruction: industrial expansion, transportation, agriculture, labor, and finance. Place of the United States among nations, World War I, the Depression, New Deal, World War II, and post war to the present.

Hi 128 The History of American Business Enterprise †† 3 Crs.
An examination of the growth and develop-
ment of business enterprise in America from colonial times to the present. Topics receiv­
ing special consideration include the role of the entrepreneur, the evolution of business specialization, the rise of the corporate form and of “big” business, notable innovations in management and marketing, the interplay of business enterprise, and other aspects of American society.

**Hi 201 Historical Method and Criticism ††**  
3 Crs.  
An introduction to the problems of understanding and explanation in history, and to the history of historical writing. Aids to research, techniques, and methods employed by historians and experience in textual criticism.

**Hi 209 Imperial Spain and Latin American ††**  
3 Crs.  
Beginning with its roots derived from the historical traditions of Imperial Spain and Spanish America, the course traces the development of Latin America. It covers such diverse topics as politics, religion, society, and culture.

**Hi 214 French Revolution and Napoleon ††**  
3 Crs.  
A course designed to trace the path of the French Revolution from its origins through each of its political phases from 1789 to 1799. It culminates with the rise of Napoleon Bonaparte, his achievements and failures, and the end of the Empire in 1815.

**Hi 215 Europe, 1815-1914 ††**  
3 Crs.  
European history from the aftermath of the Congress of Vienna to the opening days of the First World War will be thoroughly examined in this course. Topics such as the growth of the “isms”, industrialization, colonial expansion and rivalries, and social change in nineteenth century Europe will receive special attention.

**Hi 216 Princes to Peasants ††**  
3 Crs.  
An in-depth approach to the changes within European society from the 16th to the end of the 19th centuries, its main focus is the values and lifestyles of the various European classes such as nobility, bourgeois, working class, and peasantry.

**Hi 217 Twentieth Century Europe ††**  
3 Crs.  
This course treats the tensions and changes within Europe from the beginning of the 20th century to the present day. Its subjects include the challenges of two major world wars, the struggle for democracy between 1919 and 1939, and the rise of new political ideologies.

**Hi 218 Fascist Europe, 1919-1945 ††**  
3 Crs.  
This course begins with a study of the conditions immediately after World War I which produced Fascism throughout Europe. While attention is given to the Fascist mentality and theory, the main focus is the practice of Fascism in Europe, particularly in Mussolini’s Italy and Hitler’s Germany.

**Hi 224 Southern United States History ††**  
3 Crs.  
A survey of the economic, social, and political history of the South with emphasis upon the rise of the plantation system; the institution of slavery; emergence of Southern nationalism; and the causes of the Civil War. Also, an intensive study of the changes which have occurred since Reconstruction, including the populist revolt, industrialization, urbanization, and the racial revolution.

**Hi 225 Afro-American History ††**  
3 Crs.  
A study of the African heritage of Afro-Americans, the forced migration of African multitudes to America, the condition and nature of their servitude, the development of abolitionism culminating in emancipation, the twilight zone of freedom, the growth of civil rights and black power movements, and an analysis of the psychic and cultural implications of racism.
Hi 228 The Immigrant Experience  ††  3 Crs.
A comparative, historical study of American immigration, focusing on the motives for immigration, patterns of settlement, adjustment, and subsequent generational experience of successive immigrant groups.

Hi 231 Imperial Russia and the Soviet Union  ††  3 Crs.
This course traces the evolution of the modern Russian state from its beginnings in the ancient principality of Muscovy to the establishment of the Soviet Union. It looks at such varied topics as the foundations of Czarist Absolutism, westernization and traditionalism in Russian society, religion and culture, and, finally, the impact of the Bolshevik Revolution.

Hi 233 Modern Lithuanian History  ††  3 Crs.
Deals with the reawakening of national consciousness and the establishment of a modern republic in 1918; the structure and destiny of that republic; and current trends of sovietization, russification, and dissident activity. Lithuanian artists from current Lithuania and in exile as well as their specific works will be studied.

Hi 234 Polish History and Culture I  ††  3 Crs.
A course in the history of Poland from the earliest times until the partition of the country in the 18th century. The political and cultural development of Poland during its centuries of greatness and the major role played by the country in European civilization will receive special emphasis.

Hi 235 Modern Polish History and Culture  ††  3 Crs.
This course begins with the emergence of nationalism in early 19th century Poland, traces the struggle for national independence culminating in 1919, and explores Poland as an independent nation and Russian satellite to the emergence of Solidarity.

Hi 236 History of the Arab World I: From Muhammad to the Ottoman Empire  ††  3 Crs.
A study of the rise of Islam and the emergence of the Arabs as a world power. Discussion will focus on the achievements of Muhammad, the institution of the caliphate, the Umayyad and Abbasid empires, the Crusades, and the decline of Arab influence in the Near East under the pressure of Turkish expansion.

Hi 238 The Modern Arab World  ††  3 Crs.
This course begins with the breakup of the Ottoman Empire and delineates the rise of the Arab States in recent times.

Hi 251 Ancient Greece and Rome  ††  3 Crs.
This course covers the history of the Mediterranean basin from 500 B.C. to the end of the Roman Empire. Emphasis is given to the contribution of the Greeks, the conquest of the Greeks by the Romans in the second century A.D., the Roman acceptance of Greek culture, and the final decline and fall in the late Roman period.

Hi 252 Medieval Europe  ††  3 Crs.
The development of European history from the 4th to the 14th century. The topics include the birth of the Middle Ages, Christianity, Byzantine, Islamic and Carolingian Empires, Feudalism, the Crusades, and the growth of national states.

Hi 254 The Renaissance and Reformation  ††  3 Crs.
A study of the transition from medieval to modern society through the investigation of the political, social, economic, religious, and cultural factors involved in the change.

Hi 255 Absolutism and Enlightenment  ††  3 Crs.
There are two objectives to this course. First, it will present an explanation of the rise and
practice of "Divine Right" monarchies in Europe in the 17th and 18th centuries by concentrating on such figures as Louis XIV and Frederick II. Secondly, the course will investigate how Old Regime Europe was intellectually challenged by the Enlightenment in the persons of such thinkers as Voltaire, Montesquieu, and Rousseau.

**Hi 264 The British Empire and Commonwealth ††** 3 Crs.
The evolution of the British Empire and Commonwealth from the American Revolution to the present, the fall of the old colonial system, the free trade movement, the growth of the Dominions, relations with India, and the Empire and Commonwealth in recent years.

**Hi 265 Modern England, 1485 to the Present ††** 3 Crs.
A study of the transformation of England from an agrarian, aristocratic society in the 16th century to an industrial democracy in the contemporary world.

**Hi 267 Irish History and Civilization ††** 3 Crs.
Ireland has one of the oldest civilizations in Europe, a land of myth and history echoing with the words of her great poets, playwrights, statesman, and novelists. It is the root place where many go to trace their ancestral heritage. The history will be traced from the beginning down to the Act of Union, 1800.

**Hi 268 Irish History and Civilization ††** 3 Crs.
This course will start at the beginning of the 19th century and continue down to the present. Emphasis will also be placed on the Irish in the world, but especially on the United States.

**Hi 269 The Irish in the U.S. and in the World ††** 3 Crs.
This course will delineate the influence of the Irish in the American Revolution and in the Civil War, the influence of Irish Americans in Ireland, and the part played by the Irish in France, Spain, Australia, South America, etc.

**Hi 271 American Colonial Foundations (1607-1783) ††** 3 Crs.
A study of the development of American society with emphasis on the political, social, and economic problems which led to the American Revolution, and the further problems created during the Revolutionary War.

**Hi 272 The New Nation (1783-1877) ††** 3 Crs.
The achievement of national government; the development of political parties and political democracy; social, political, economic, and cultural developments of the early and mid-19th century; westward expansion; slavery; national disruption and Civil War; and the Reconstruction and its legacy.

**Hi 273 The Age of Enterprise in the U.S. (1877-1929) ††** 3 Crs.
The development and impact of corporate capitalism; the political, social, intellectual, and diplomatic transformations of the late 19th century; attempts at national reform and the impact of war; the beginnings of mass society; and the causes of the Great Depression.

**Hi 274 Contemporary America, 1929 to Present ††** 3 Crs.
The effects of the Depression and the initial response to it: the nature, achievements, and shortcomings of the New Deal; the United States in world affairs from isolation to global involvement; the political, social, and economic evolution of American life since World War II.

**Hi 275 The Worker in American Life ††** 3 Crs.
This course examines the evolution of work and the workplace, the working classes, and
labor organization from the origins of the American colonies to the present day.

**Hi 276 The Rise of Modern Science † † 3 Crs.**
Starting with their origins in the Scientific Revolution of the sixteenth century, this course presents the major scientific developments in Western life and their impact on society. It reviews such topics as the Copernican Universe, Darwinian biology, and several major scientific advancements in the 20th century.

**Hi 277 The History of American Journalism † † 3 Crs.**
An examination of the development of U.S. journalism since its Colonial origins with emphasis, through selected research, on some major aspects of the subject.

**Hi 278 Jewish History and Civilization I † † 3 Crs.**
Jewish history from the earliest times through the Exodus, entrance into Canaan, Prophets, and Period of the Kings. The interaction between Jewish history and the Assyrian, Babylonian, Persian, Greek, and Roman civilizations including the rise of Christianity and its unique importance in understanding the history of civilization. Emphasis is placed on the relevance of ancient Jewish history to modern times.

**Hi 279 Jewish History and Civilization II † † 3 Crs.**
Jewish history from 135 c.e., through the Talmudic period; rise of Islam; middle ages; protestantism; industrial revolution; Zionism; and the yearning for Jewish homeland, the Holocaust, establishment of the State of Israel until 1978. Emphasis will be placed on clarifying the relevance of Jewish history to the comprehension of civilization, especially in the 20th century.

**Hi 287 The Holocaust † † 3 Crs.**
This course examines man’s inhumanity to man as exemplified by the Nazi murder of two thirds of European Jewry. Historical, psychological, sociological, and literary themes; prejudice in general and anti-Semitism in particular will be studied, to be followed by an inquiry into the Nazi years. Several films and a death camp survivor will augment lectures, readings, and discussions.

**Hi 288 Hungarian History and Culture until 1848 † † 3 Crs.**
This course provides a comprehensive view of Hungary’s history from its very beginning up to the present day. The historical events, arranged in chronological order and grouped around historically coherent periods, will be examined in their political, economic, and cultural ramifications.

**Hi 289 Ukrainian History and Culture until 1900 † † 3 Crs.**
Major political, cultural, social, and economic developments of the Ukraine from the Kievan Rus to 1900.

**Hi 293 The History of Violence in America † † 3 Crs.**
An exploration of the varieties and uses of violence, individual and collective, in the American past, and of violence as an aspect of the national mentality and culture.

**Hi 296 Patterns of Revolution † † 3 Crs.**
A study of the preconditions and circumstances which affected both the theory and the development of “Revolution.” It traces the growth of revolutions from early stages in peasant insurrections of the late medieval period and shows how they evolved into more systematic forms by the contemporary 20th century world.

**Hi 322 United States Foreign Policy † † 3 Crs.**
This course examines the evolution and expansion of American foreign policy, its ideas and conduct, from the Revolutionary period to the present. It analyzes the aims of foreign policy, the influences which have shaped it,
and its impact of the nation’s domestic politics.

**Hi 382 Modern German History and Culture †† 3 Crs.**
A survey of German political, economic, social, and cultural history since 1914, covering German political history during World War I. Major aspects of the Weimar Republic, the rise of Hitler, and the ideology of the National Socialist Movement. The causes and course of World War II and the main political and economic events of the two Germanies since 1945 will also be explored.

**Hi 388 Hungarian History and Culture Since 1848 †† 3 Crs.**
This course provides a comprehensive view of Hungary’s history to the present day. The historical events, arranged in chronological order and grouped around historically coherent periods, will be examined in their political, economic, and cultural ramifications.

**Hi 389 Twentieth Century Ukrainian History and Culture †† 3 Crs.**
The struggle for national survival, independence, and unification of Ukraine from 1900 to present. Emphasis on political, social, cultural, and economic problems. Ukraine as an object of the international struggle: its partition in the 1920’s; unification under the Communist regime; liquidation of churches; destruction of Ukrainian cultural life; dissident movement; the Ukrainians in the U.S. and diaspora.

**Hi 391 Internship Program 3-6 Crs.**
The history internship program offers qualified students the opportunity of supervised field experience, currently at the Fairfield Historical Society, in an area allied with their own interests. Internships are arranged in advance of the semester they are to be taken, and only with the permission of the instructor.

**Hi 392 Special Topics in History †† 3 Crs.**
This course offers students the experience of studying a specialized area of history not normally emphasized within the Department’s course offerings. Its subjects vary from American and European themes to the less traditional Third World topics.

**Hi 393 Modern Chinese History and Culture †† 3 Crs.**
The study of modern Chinese history, culture, and institutions from 1644 to the present. The course will focus on internal developments during the Ching and modern periods in addition to Chinese involvement with the Western World.

**Hi 398 Senior Seminar †† 3 Crs.**
The purpose of this course is to expose students to the experience of researching, writing, and defending a major historical project. It permits a student to learn, on a one-to-one basis with a project director, the importance of critical analysis and writing within the disciplines of history.

### Honors Courses

**Hn/En 091-092 English Honors Seminar †† 6 Crs.**
An intensive consideration of speech, writing, and the use of the library. These courses replace En 011 and En 012, students who pass these courses may apply for a waiver from Ca 021.

**Hn 202 Introduction to Humanities †† 3 Crs.**
An intensive study of the humanistic idiom from several points of view through major works of literature. A seminar paper is required. Prerequisite: En 092.

**Hn 205 Problems for the Humanist †† 3 Crs.**
An interdisciplinary study of those problems which confront the humanist. The course deals with these problems from an intellectual and moral standpoint. Prerequisite: Hn 202.
Course Descriptions

Hn 206 Problems for the Scientist 3 Crs.
Examines the changes in society and self-understanding brought about by scientific and technological progress. The computer revolution, nuclear weapons and energy, medical ethics, will be a few of the topics considered in the course. Prerequisite: Hn 205 or permission of the Honors Director.

Hn 301-302 Introduction to the Scientific Method I, II 6 Crs.
An integrated approach to biological, chemical, and psychological research including the use of lecture and laboratories. Prerequisite: En 092 or permission of Director of Honors Program.

Hn 399 Independent Study 1-6 Crs.
Opportunities are given for directed research in areas of interest to the individual student. Prerequisite: Hn 302 or permission of Director of Honors Program.

Media Studies Courses

Ms 101 Media: The Extensions of Man †† 3 Crs.
An introduction to media technology, examining the impact of radio, television, newspapers, and film on the human condition. The course objective is to equip the student to be a perspective consumer of media output by exploring how each medium codifies reality.

Ms 191-192 History of the Motion Picture I, II †† 6 Crs.
A course designed to introduce the student to the historical development of film making, highlighting the evolution of the film as a means of expression. Sample films from the past will be shown at each class meeting followed by a discussion of several aspects of the film. Ms 192 traces film history from 1940 to the present. Extensive screening of classic films. Lab fee: $10.00 per semester.

Ms 193 examines the structure, the product, the process, and the potential of various telecommunications systems. This course also explores ways in which each system increases, constrains, and alters human communication. Both mass systems (such as radio and television) and personal systems (such as telephone) are considered. The course is also concerned with the new technologies such as interactive television and computer-assisted instruction.

Ms 200 Mass Media: The Extensions of Man †† 3 Crs.
An opportunity to study current communications topics revolving around the effects of mass media on individuals, communities, and countries. Subjects will be determined by their topical interest and importance.

Ms 201 Kinetics: A Study in the Moving Image 3 Crs.
Kinetics is the language of moving pictures. Unlike the linear sequence of speech and the written word, moving pictures create a simultaneity of sensory perception. Through an intensive study of experimental and feature films, the course explores the nature of the moving images and how they are organized to create a whole. Prerequisite: Ms 101.

Ms 212-312 Radio Production I, II 6 Crs.
An introduction to basic radio production. Students prepare for the FCC 3rd class license, learn the audio control board, and develop concepts of radio broadcasting. Because WSHU is integrated into the courses as a laboratory and program outlet, students are required to function as staff members. Prerequisite: Ms 101.

Ms 213-313 Video Production I, II 6 Crs.
An introduction to basic video theory (both
conceptual and technical) and production technique. Participants are required to write, produce, and direct videotaped projects. The first semester utilizes Portapak and editing systems; the second semester is built around multicamera studio productions. Lab fee: $20.00 per semester. Prerequisite: Ms 101.

Ms/En 214 News Writing and Reporting 3 Crs.
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism will provide a format for an analysis of the news media and responsibilities of a journalist in today’s society. The workshop sessions attempt to utilize the concepts in practical work. Prerequisites: Ms 101 and En 012.

Ms 215-315 Film Production I, II 6 Crs.
An introduction to the basic techniques of cinematic composition, editing, and film criticism. The student will also be introduced to the basic administrative and aesthetic aspects of film making. Critical stress will be on super 8 mm filming techniques, and the student will be expected to provide film. Prerequisite: Ms 101.

Ms 216-316 Photography Production I, II 6 Crs.
An introduction to the fundamentals of color slide photography. Topics covered in class are camera care and handling, visual literacy, composition, the nature of light, existing and artificial light, color, portraiture, incandescent light, and experimental photography. The second semester expands into multi-image sound-slide production. Prerequisite: Ms 101.

Ms 293 Video as Art 3 Crs.
While much, if not most, of the video seen today is produced for the commercial purposes of television broadcasting, some video is made for personal artistic expression. This course will survey the evolution of video art in America, examining the means by which this medium can be used to view the world in a unique, provocative, and even entertaining way. Prerequisite: Ms 101.

Ms 294 Magazine Publication 3 Crs.
An overview of the entire process of magazine publication, the course covers: history and status of contemporary publication; concept research and development of new magazines; writing and editing; marketing and advertising; relationships to other media; new technologies and the future; and employment possibilities. Prerequisite: Ms 101.

Ms 295 Electronic Journalism 3 Crs.
Designed to analyze and to criticize constructively the process and the product of electronic journalism. The course includes the history of both radio and TV journalism, the social implications of news coverage, techniques, and the economic foundations of contemporary electronic journalism. At the discretion of the instructor, a production component may be included. Prerequisite: Ms 213.

Ms 296 Media as Advertising 3 Crs.
This course is designed to orient the student to the economic base of most media—advertising. The various print media as well as broadcast media will be discussed. The process of advertising in the media, from conception of an idea to completion of a project, will be discovered and applied. Outside speakers will be involved in the course by sharing their experience on specific problems.

Ms 297 Public Relations: An Overview 3 Crs.
The concept of public relations was created from the need of new groups of people and new institutions to explain themselves to each other. The course will provide an overview of the history, the purpose, and the various methods and skills related to public relations. Time will be devoted to practical sessions, such as choosing appropriate communications media.
Ms 298 Public Relations: Practical Applications 3 Crs.
This course will focus on the implementation of public relations action plans, as applied to specific problems (e.g. mergers, product recall, unionization, plant relocation, strikes, etc.). Both internal and external organizational communications programs will be discussed. Guest lecturers from business, institutional, and nonprofit sectors will present actual case problems and their solutions.

Ms 301 Reading Seminar in Mass Communications 3 Crs.
An interdisciplinary study of contemporary theories of mass communications. The course attempts to present an overview of the impact of mass communications by considering them as codes, as symbolic systems, and as manipulative powers on both the conscious and subconscious levels. Reading, writing, discussion, and research are required. Prerequisite: Ms 101.

Ms 325 Electronic Journalism 3 Crs.
This course is designed to build on the historical/theoretical background established in Ms 295 (Electronic Journalism I) by offering the practical experience of electronic field production and editing. Four issues of “SHU Magazine,” the campus video program, will be produced using the rigorous techniques of investigative reporting. Studio production is also included. Prerequisites: Ms 213 and Ms 295.

Ms 333 Scriptwriting 3 Crs.
An introduction to writing for fiction and non-fiction film and television. Basic dramatic theory, narrative structure, characterization, dialog, adaptation, and the unique demands of the audio/visual media will be covered, as well as pragmatic matters of format and the marketplace.

Ms/En 370 Newspaper Publication 3 Crs.
An introduction to newspaper publication, providing editing and publications practice. Emphasis will be on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting, and use of stylebooks. In addition, issues affecting newspaper production will be discussed including libel, production economics, and legal restrictions such as copyright and First Amendment rights. Prerequisite: Ms/En 214 or permission of instructor.

Ms 371 Images of War in Film and Video 3 Crs.
Utilizing news footage, documentaries, and feature theatrical presentations, this course studies the different ways in which wars are recorded and presented to the public, both in the United States and elsewhere.

Ms 381 The Images of Women in Film 3 Crs.
Films are cultural artifacts. Each film contains within itself a complex social system reflecting the attitudes, values, and mores of the society that produced it. This course attempts to uncover these values that encode the function of women on screen: the images they project; the roles they assume; the values they encode; and the relationships they establish with men, children, and each other.

Ms 391 Film Seminar 3 Crs.
An intensive course focusing on specific aspects of film history, theory, and criticism, with special emphasis given to film’s relationship to society. Each semester the course concentrates on an individual topic of discussion.

Ms 392 Film Genres 3 Crs.
A study of particular film forms, including the western, the gangster film, science-fiction, the horror film, comedy, documentary, and others. Attention will be paid to the themes and stylistics of genres, and to the genre film’s contemporary cultural significance and contribution to the history of ideas.
Ms 395 Media Practicum 1-3 Crs.
An opportunity for outstanding senior Media Studies majors to assist in the planning and production of media projects contracted by the University or by outside agencies. By permission of the Chairperson of Media Studies. Offered only when appropriate projects are available.

Ms 396 Internship 1-6 Crs.
An opportunity for qualified upper-division Media Studies majors to gain practical experience at area media/communications companies such as radio/television stations, cable companies, newspapers, magazines, and public relations firms.

Ms 397 Senior Project 3 Crs.
The purpose of the Project is threefold—to create an opportunity for a senior Media Studies student to apply creative theory to practice; to stress the interdisciplinary aspects of media communication; to provide the student with a “portfolio” product which might be used as a demonstration of his/her ability to communicate through media.

Ms 399 Independent Study 1-3 Crs.
Work on a special topic or production to be arranged with an instructor who will direct the work. Permission of the Chairperson of Media Studies will be granted to qualified Media Studies majors on the basis of a written prospectus. By special arrangement.

Modern Foreign Language Courses

Arabic
Ab 001-002 Elementary Arabic I, II ‡‡ 6 Crs.
Morphology and basic syntax of modern standard Arabic. Emphasis on oral drill as well as reading and writing.

Ab 051-052 Intermediate Arabic I, II ‡‡ 6 Crs.
This course starts where Elementary Arabic II leaves off and is essentially a reading course in modern standard Arabic, beginning with voweled texts from the Gospels and the Quran, leading up to four unwoveled texts for newspaper Arabic. Prerequisites: Successful completion of elementary Arabic I, II, a knowledge of the grammar covered in lessons I-XVI of Ziadeh and Winder, ability to use an Arabic dictionary, and knowledge of the regular verb in all its tenses as well as some familiarity with the weak verbs.

Chinese
Cn 001-002 Elementary Chinese I, II ‡‡ 6 Crs.
The course will teach students to understand and speak the standard national language of China. Emphasis is on spoken Chinese structures, Pin-Yin Romanization is used to teach pronunciation. In the second semester students will learn more advanced spoken structures to support conversational ability in various situations. Concentration on written Chinese characters will enable students to read short selections. Daily work with a cassette recorder is required.

French
Fr 001-012 First Year French I, II ‡‡ 8 Crs.
The course is intended for students who have no previous education in French. Beginning with the basic grammar patterns, emphasis will be put on constant oral practice designed to lead to the training in oral expression, reading, and writing. An understanding of the French people and their culture will be attained through the readings and conversation. Intensive laboratory practice to implement classroom work will be part of the course. Four hours lecture and one of supervised laboratory per week. Lab fee: $15.00 per semester.

Fr 051-052 Intermediate French I, II ‡‡ 6 Crs.
Review and intensified study of structure, reading short works, vocabulary building, composition, and conversation. French
culture as reflected in daily life. Laboratory practice. Prerequisite: Fr 012 or equivalent. Lab fee: $15.00 per semester.

Fr 101-102 French Composition and Grammar I, II ‡‡  6 Crs.
More complex grammar; enrichment of vocabulary; and improvement of proficiency in speaking, reading, writing, and translating; based on literary and cultural texts. Prerequisite: Fr 052 or equivalent. Lab fee: $15.00 per semester.

Fr 111-112 Conversational French I, II ‡‡  6 Crs.
An integrated study of French as it is spoken and written today. Prerequisite: Fr 052 or equivalent. Lab fee: $15.00 per semester.

Fr 215-216 French Readings and Discussion I, II ‡‡  6 Crs.
A course designed to improve reading ability and oral self-expression through selected readings on French culture and civilization, as well as from French authors followed by discussions and written reports. Additional readings from French newspapers and magazines to suit individual interests.

Gaelic

Gl 001-002 Elementary Gaelic I, II ‡‡  6 Crs.
Basic language patterns learned in the context of normal cultural situations. Practice in understanding, speaking, reading, and writing Gaelic. Students will study Irish culture as reflected in daily life. The second semester will provide further instruction in the language. Lab fee: $15.00 per semester.

Gl 051-052 Intermediate Gaelic I, II ‡‡  6 Crs.
A continuation of Elementary Gaelic I and II. Gaelic grammar and vocabulary will be strengthened. Prerequisite: Gl 002 or permission of instructor.

Gl 101-102 Advanced Grammar and Conversation I, II ‡‡  6 Crs.
Review of grammar, translation, and composition. Drill in written and oral self-expression. The use of tape recordings to facilitate the mastery of conversations. Poetry and literary selections are used to reflect the culture and characteristic traits of the Irish people. Prerequisite:Gl 052 or permission of instructor.

German

Ge 007 Introduction to German for Business ‡‡  3 Crs.
This course is based on a good knowledge of basic German. It is composed of vocabulary as it is used primarily in German commercial correspondence, enriched by and tailored for the demands of individual students and their work. Prerequisite: Ge 012.

Ge 011-012 First Year German I, II ‡‡  8 Crs.
The course is intended for students who have no previous education in German. Beginning with the basic grammar patterns, emphasis will be put on constant oral practice designed to lead to the training in oral expression, reading, and writing. An understanding of the German people and their culture will be attained through the reading and conversation. Intensive laboratory practice to implement classroom work will be part of the course. Four hours lecture and one of supervised laboratory per week. Lab fee: $15.00 per semester.

Ge 051-052 Intermediate German I, II ‡‡  6 Crs.
A continuation of elementary German. The aim of this course is to gain increased control and proficiency in reading, writing, and speaking of German; to improve mastering grammar, vocabulary, and idioms; and to become acquainted with German culture. Prerequisite: Ge 012. Lab fee: $15.00 per semester.
Hebrew
He 001 Elementary
Modern Hebrew †† 3 Crs.
An introduction to the study of modern Hebrew. Stress on reading, conversation and oral comprehension, grammar, syntax, and basic vocabulary.

Hungarian
Hg 001-002 Elementary
Hungarian I, II †† 6 Crs.
This course provides an introduction to the Hungarian language. While emphasis is placed on giving the student command of the spoken language, both vocabulary and the structure of the written language is included. The course provides the student with a sound background for further development of fluency and proficiency in Hungarian.

Italian
It 011-012 First Year
Italian I, II †† 8 Crs.
The course is intended for students who have no previous education in Italian. Beginning with the basic grammar patterns, emphasis will be put on constant oral practice designed to lead to training in oral expression, reading, and writing. An understanding of the Italian people and their culture will be attained through the readings and conversation. Intensive laboratory practice to implement classroom work will be part of the course. Four hours lecture and one of supervised laboratory per week. Lab fee: $15.00 per semester.

It 051-052 Intermediate
Italian I, II †† 6 Crs.
Review and intensified study of structure, reading of short works, vocabulary building, composition, and conversation. Contemporary and historical culture. Prerequisite: It 012 or equivalent. Lab fee: $15.00 per semester.

It 101-102 Italian Composition and Grammar I, II †† 6 Crs.
More complex grammar; enrichment of vocabulary; and improvement of proficiency in speaking, reading, writing, and translating; based on literary and cultural texts. Prerequisite: It 052 or equivalent. Lab fee: $15.00 per semester.

It 111-112 Conversational
Italian I, II †† 6 Crs.
An integrated study of Italian as it is spoken and written today. Intensive oral practice, pronunciation, vocabulary, reading, comprehension, short speeches, and group discussions. Prerequisite: It 052 or permission of instructor. Lab fee: $15.00 per semester.

It 215-216 Italian Readings and Discussion I, II †† 6 Crs.
Essentially an advanced language course with equal emphasis on improved skills in reading, writing, and speaking. Introduction to Italian culture and civilization through readings and discussions of selected Italian writings.

Japanese
Jp 001-002 Elementary
Japanese I, II †† 6 Crs.
An introduction to modern Japanese. Pronunciation drill, grammar, and conversation practice with an introduction to the “hiragana” writing system. Additional language laboratory sessions required.

Jp 051-052 Intermediate
Japanese I, II †† 6 Crs.
A continuation of elementary Japanese. Pronunciation drill, grammar, and higher level conversational practice. Introduction to the “kanji” writing system and its application. Additional laboratory sessions required.

Lithuanian
Ln 001-002 Elementary
Lithuanian I, II †† 6 Crs.
The basic elements of grammar, pronuncia-
tion, and simple conversation with some reading and writing. The second semester emphasizes practice in conversation, speech patterns, and readings in Lithuanian literature.

Ln 051-052 Intermediate Lithuanian I, II †† 6 Crs.
More complex grammar; enrichment in vocabulary; and improvement of proficiency in speaking, reading, and translating. Study of Lithuanian literature as well as reading short works. Prerequisite: Ln 002 or equivalent.

Ln 111 Conversational Lithuanian †† 3 Crs.
Emphasis on conversation and pronunciation, vocabulary and common expressions, with some reading and writing. Of special interest to those who wish to brush up or improve their knowledge of the language.

Ln 215-216 Readings and Discussion I, II †† 6 Crs.
Readings from contemporary novels, poetry, plays, and newspapers. Discussion based on works in Lithuanian literature and current affairs.

Polish

Pl 001-002 Elementary Polish I, II †† 6 Crs.
An introduction to Polish stressing pronunciation, aural comprehension and basic conversation, fundamental principles of grammar, training in reading, comprehension, and writing. Lab fee: $15.00 per semester.

Pl 051-052 Intermediate Polish I, II †† 6 Crs.
More complex grammar; enrichment in vocabulary; and improvement of proficiency in speaking, reading, and translating. Study of Polish literature as well as reading short works. Prerequisite: Pl 002 or equivalent. Lab fee: $15.00 per semester.

Pl 111-112 Conversational Polish I, II †† 6 Crs.
Emphasis on conversation and pronunciation, vocabulary and common expression, with some reading and writing. Prerequisite: Pl 052 or Departmental permission. Lab fee: $15.00 per semester.

Pl 215-216 Polish Readings and Discussion I, II †† 6 Crs.
Readings from contemporary novels, poetry, plays, and newspapers. Discussion based on works in Polish literature and current affairs. Prerequisite: Pl 052 or Departmental permission.

Portuguese

Pt 001-002 Elementary Portuguese I, II †† 6 Crs.
An introductory course in the comprehension of Portuguese. Basic dialogues are used to provide most of the vocabulary. Reinforcement drills follow each conversation to develop the student's ability in personal expression. Cultural readings are also a part of the course work. Laboratory drills strengthen comprehension and provide additional practice of the grammatical structures. Lab fee: $15.00 per semester.

Pt 051-052 Intermediate Portuguese I, II †† 6 Crs.
Review and intensified study of structure, reading short works, vocabulary building, composition, and conversation. Portuguese culture as reflected in daily life. Laboratory practice. Prerequisite: Pt 002 or equivalent. Lab fee: $15.00 per semester.

Pt 111-112 Conversational Portuguese I, II †† 6 Crs.
An integrated study of Portuguese as it is spoken and written today. Intensive oral practice, pronunciation, vocabulary, reading, comprehension, short speeches, and group discussions. Use of audiolingual aids in the laboratory is required. Prerequisite: Pt 052 or equivalent. Lab fee: $15.00 per semester.
Russian

Ru 001-002 Elementary Russian I, II † † 6 Crs.
Basic Russian stressing conversation and vocabulary building. Introduction to the basic structure of Russian.

Ru 051-052 Intermediate Russian I, II † † 6 Crs.
Principles of elementary Russian grammar are reviewed and extended with further training in understanding, speaking, reading, and writing. Prerequisite: Ru 002.

Slovak

Sk 001-022 Elementary Slovak I, II † † 6 Crs.
A study of the Slovak language. Dialogue, reading, grammar, translation from English to Slovak, and vocabulary is included. The culture and history of the Slovak people is also emphasized and literary selections will be read to illustrate the characteristic traits of the Slovak people.

Sk 051-052 Intermediate Slovak I, II † † 6 Crs.
More complex grammar; enrichment in vocabulary; and improvement of proficiency in speaking, reading, and translating. Study of Slovak literature as well as reading short works. Prerequisite: Sk 002 or equivalent.

Sk 181 Slovak Culture and Civilization † † 3 Crs.
The main currents of Slovak civilization are presented by means of lectures and student participation in writing and oral reports. The history, geography, literature, and fine arts are scanned and studied as a basis for class discussion.

Spanish

Sp 003-004 Practical Spanish for Everyday Use I, II † † 6 Crs.
Vocabulary and conversation for people who deal with the Spanish-speaking in banks, stores, social service, and hospitals. Lab fee: $15.00 per semester.

Sp 008 Spanish for Medical Personnel † † 3 Crs.
Vocabulary and conversation for people who deal with the Spanish-speaking in hospitals and other health services. Lab fee: $15.00 per semester.

Sp 011-012 First Year Spanish I, II † † 8 Crs.
The course is intended for students who have no previous education in Spanish. Beginning with the basic grammar patterns, emphasis will be put on constant oral practice designed to lead to training in oral expression, reading, and writing. An understanding of the Hispanic people and their culture will be attained through the reading and conversation. Intensive laboratory practice to implement classroom work will be part of the course. Four hours lecture and one of supervised laboratory per week. Lab fee: $15.00 per semester.

Sp 051-052 Intermediate Spanish I, II † † 6 Crs.
Review and intensified study of authentic language patterns. Readings based on Spain and Hispanic America. Use of the language laboratory is continued. Speaking ability is stressed. Prerequisites: Sp 011 and Sp 012 or equivalent. Lab fee: $15.00 per semester.

Sp 053-054 Intermediate Spanish for Social Workers I, II † † 6 Crs.
An intermediate course designed especially for students interested in doing social work with the Spanish-speaking. Oral practice in laboratory. Prerequisite: Sp 012 or equivalent. Lab fee: $15.00 per semester.

Sp 055-056 Intermediate Spanish for Spanish Speakers † † 3 Crs.
Aimed at helping the Spanish-speaking student improve his oral and written expression in his native tongue. Pronunciacion Orto-
grafia, Redaccion. Lab fee: $15.00 per semester.

Sp 101-102 Advanced Spanish Composition and Grammar I, II †† 6 Crs.
Writing controlled compositions based on selections previously read and discussed. Vocabulary building. Practice in using patterns and structures found in the reading. The course culminates in the writing of free compositions. Prerequisite: Sp 052. Lab fee: $15.00 per semester.

Sp 107 Business Spanish †† 3 Crs.
A practical course which aims at giving specific vocabulary needed in various occupations which require the use of business Spanish. In addition, students will be given special training in writing business letters. Prerequisite: Sp 052 or permission of the Chairperson.

Sp 108 Tecnicas de Traduccion (Spanish for Translators) †† 3 Crs.
An introduction to principles of translation. Study and analysis of modern standard Spanish. Syntactic description and development of skills. Investigation and training in the nature and use of Spanish for translation. Prerequisite: Sp 052 or permission of the Chairperson.

Sp 111-112 Conversation: Topics for Daily Living I, II †† 6 Crs.
An integrated study of Spanish as it is spoken and written today. Intensive oral practice, pronunciation, vocabulary, reading, comprehension, short speeches, and group discussions. Use of audiolingual aids in the laboratory is required. Prerequisite: Sp 052 or equivalent. Lab fee: $15.00 per semester.

Sp 201-202 Spanish Literature I, II †† 6 Crs.
Reading of the great works of Spanish literature from the Middle Ages to the present day, with emphasis on an understanding of the Spanish mind and way of life. Oral and written reports. Use of audiolingual aids in the laboratory is required. Prerequisites: Sp 101 and Sp 102 or permission of Chairperson. Lab fee: $15.00 per semester.

Sp 213 Workshop in Conversational Spanish †† 3 Crs.
Intensive practice in spoken Spanish through real life situations: shopping, cooking, dining. These and other activities provide a motif for lively conversations in the Spanish languages. Prerequisites: Sp 051 and Sp 052 or permission of the Chairperson.

Sp 214 Workshop in Spanish Grammar †† 3 Crs.
Analysis of the principal structures necessary for correct speech and writing. Intensive practice in the use of these structures. Prerequisite: Sp 102 or permission of the Chairperson.

Sp 215-216 Spanish Readings and Discussion I, II †† 6 Crs.
Designed to improve reading ability and self-expression through readings chosen from Spanish authors and followed by discussion. Additional readings from newspapers and magazines, according to individual interests. Prerequisites: Sp 101 and Sp 102 or permission of the Chairperson. Lab fee: $15.00 per semester.

Sp 241 Spanish Phonetics and Phonology 3 Crs.
A study of the sounds of the language. Drill for the improvement of pronunciation and intonation. Recommended for all majors and for those who expect to teach Spanish. Use of audiolingual aids in the laboratory is required. Prerequisites: Sp 101 and Sp 102. Lab Fee: $15.00.

Sp 250 Teatro Contemporaneo de España †† 3 Crs.
This course will acquaint the student with plays of the important dramatists of the contemporary period in Spain. Included in the
session will be a general overview of the history and development of drama in Hispanic literature and an in-depth study of the following authors: Alejandro Casona, Federico García-Lorca, Antonio Abueo Vallejo, and Alfonso Sastre.

**Sp 255 The Essay in Spain and Spanish America** †† 3 Crs.
Representative selections of critic and literary works of the main Hispanic essayists including studies of character, evolution, and controversies of the modern novel. Prerequisite: Sp 202 or 352 or Department permission.

**Sp 280 Hispanic Civilization—Spain** †† 3 Crs.
History and culture of the Spanish people from their origins to the present day with emphasis on their arts, their thought, and their lifestyle. Lectures, readings, and reports. Audiovisual materials will be used. Prerequisites: Sp 101 and Sp 102.

**Sp 281 Hispanic Civilization—Spanish America** †† 3 Crs.
Designed to promote understanding of the Spanish-American people through the different periods of their history, of their behavior patterns, and their reactions to political, religious, and economic problems. Selected readings. Student presentation of research on various countries. Audiovisual materials will be used. Prerequisites: Sp 101 and Sp 102.

**Sp 282 Puerto Rico: Su Lengua Y Su Cultura** †† 3 Crs.
A study of Puerto Rico, its people, culture, and language as shown in its literature and political history.

**Sp 283 The Hispanic Caribbean** †† 3 Crs.
A comprehension study of the main historical and cultural development of the Caribbean World (Puerto Rico, Cuba, and the Dominican Republic) as seen through the works of the outstanding figures in these areas.

**Sp 284 El Dictador en la Novela Hispanoamericana del Siglo XX** †† 3 Crs.
Centers on an analysis of selected novels from the post-modernism to the present. Particular emphasis on the works of M. L. Guzman, M. A. Asturias, A. Roa-Bastos, J. Rulfo, and G. G. Marquez. Close study of texts and evaluation of movements. Prerequisite: Sp 102 or permission of the Chairperson.

**Sp 285 The Spanish American Novel of the Twentieth Century** †† 3 Crs.
A thorough study of the modern novel extending from Post-modernism and vanguardism to the new generation. Prerequisite: Sp 352 or Department permission.

**Sp 315-316 Conversation: Contemporary Issues I, II** †† 6 Crs.
A course sequence designed to improve mastery of spoken Spanish. Discussions based on current materials: books, newspapers, magazines, and filmstrips dealing with life in the Spanish world, both here and abroad. Prerequisites: Sp 111 and Sp 112.

**Sp 317-318 Modern Spanish Literature: Readings and Discussion I, II** †† 6 Crs.
Informal class discussions of modern literary works in Spanish to gain an understanding of today's Spanish authors while improving speaking ability.

**Sp 341 Contrastive Linguistics: Spanish-English** †† 3 Crs.
Awareness of the relationship between linguistics and the learning of a new language. Phonological and structural comparison between Spanish and English as an important aspect of the audiolingual approach to the learning and teaching of the Spanish language. Prerequisite: Sp 241 or permission of the Chairperson.
Course Descriptions

**Sp 351-352 Masterpieces of Spanish American Literature I, II †† 6 Crs.**  
Reading of the great works of Spanish American Literature, from the colonial period to the present day. Lectures and reports based on the works studied. Recordings of outstanding authors and critics. Prerequisites: Sp 201 and Sp 202 or permission of the Chairperson. Lab fee: $15.00 per semester.

**Sp 361 The Spanish American Fiction †† 3 Crs.**  
A detailed study of poetry, novels, drama, and short stories of the major writers of Spanish American fiction. Prerequisite: Sp 352 or Department permission.

**Sp 365 The Boom of the Spanish-American Novel †† 3 Crs.**  
The origins, development, and international impact of the "boom" in Spanish-American literature. Topics include writers of this "new novel," what is really new, and what has been borrowed and partially changed from the old Spanish-American novel.

**Ukranian**

**Uk 001-002 Elementary Ukranian I, II †† 6 Crs.**  
Primarily for students with little or no knowledge of the language. By a combination of lectures, drills, and lab work, the basic elements of Ukranian structure are presented orally, aurally, and by written exercises. Reading ability, audio comprehension, and moderate oral ability are the aims of this course.

**Music Courses**

**Mu 101 Introduction to Opera †† 3 Crs.**  
A survey of representative operas from the 17th century to the present with emphasis upon the relationship between music and drama.

**Mu 102 History of Jazz †† 3 Crs.**  
An analysis survey of jazz styles from the African sources to the present.

**Mu 103 Music in Christian Worship †† 3 Crs.**  
The function of music in worship from the early Christian Church to the present. Emphasis upon the relation between historical practices and requirements of music in the modern liturgical renewal.

**Mu 111 Music in Western Civilization †† 3 Crs.**  
An introductory study of musical style, content, and function as shaped by the culture of the age in which the music was created.

**Mu 112 Music in America †† 3 Crs.**  
A survey of music in North America from the Pilgrims to the present. Emphasis upon the creation and use of music, both popular and classical, as a reflection of American society.

**Mu 121 Musicianship I †† 3 Crs.**  
Music notation and reading. Construction and function of scales, intervals and triads, correlated ear training, sight signing, keyboard, and creative exercises.

**Mu 122 Musicianship II †† 3 Crs.**  
Harmony, including seventh and ninth chords, non-harmonic tones, and modulation. Advanced ear training, keyboard harmony, and analysis. Prerequisite: Mu 121.

**Mu 131 Private Lessons 1 Cr.**  
Private instruction in selected instruments or voice. One half-hour lesson per week. Fee: $60.00.

**Mu 132 Private Lessons 2 Crs.**  
Private instruction in selected instruments or voice. One hour lesson per week. Fee: $120.00.

**Mu 133 Chorale 1 Cr.**  
Select mixed chorus, presenting concerts at the University and in the community. Admission by audition.
Mu 134 Chamber Orchestra 1 Cr.
Admission by audition to performers on woodwind, brass, or string instruments.

Mu 135 Ensemble 1 Cr.
Ad hoc ensembles formed according to student interest. Admission by audition.

Mu 211 Twentieth Century Music ‡‡ 3 Crs.
Style, content, and function of music in the 20th century and western society. Music as fine art and popular art, diversity, and divergence. Prerequisite: Mu 111 or 121.

Mu 212 Topics in Music Literature ‡‡ 3 Crs.
Study of selected musical styles, genre, or themes. Seminar setting with emphasis on experiencing music through live performance. Prerequisite: Mu 111 or 121.

Philosophy Courses

Ph 101 Introduction to the Problems of Philosophy ‡‡ 3 Crs.
Philosophy is defined for the beginning student through an exploration of the branches of philosophy and their respective problems.

Ph 211 Formal Logic ‡‡ 3 Crs.
This course constitutes an introduction to logical symbolism and its applications, including the sentential and predicate calculus (with quantifications), propositional function, and Boole-Schroeder algebra.

Ph 212 The Art of Making Sense: Practical Logic ‡‡ 3 Crs.
This course emphasizes the practice of logical analysis in classroom exercises. The course focuses on how to make our ideas clear, how to reason correctly, and how to evaluate evidence used to substantiate a truth claim.

Ph 214 The Philosophy of Human Communication ‡‡ 3 Crs.
Utilizing philosophical works in areas of speech, body language, and semiotics (the language of signs), this course will investigate the extent to which each individual creates his own language and the limits which society places upon the continuing events known as interpersonal communications.

Ph 225 Philosophy of Plato ‡‡ 3 Crs.
This course attempts to analyze the question of what it means to be philosophical through an exploration of selected Platonic dialogues. Through an examination of poetry, knowledge, speech, and love, the nature of the philosophical life will be discussed.

Ph 231 Philosophy of Knowledge ‡‡ 3 Crs.
A study of the conditions which make knowledge possible and the criteria of truth and falsity.

Ph 251 Ethics ‡‡ 3 Crs.
An introductory study of the problems, language, and reasoning appropriate to the inquiry into the nature of morality.

Ph/Lw 253 Philosophy of Law ‡‡ 3 Crs.
An inquiry into the philosophical foundations of the law in terms of social, political, economic, theological, and ethical considerations. The nature, sources, purposes, and methods of the law. Prerequisite: Ph 101.

Ph/Lw 254 Law and Ethics 3 Crs.
A philosophic inquiry as to the proper role of law in respect to contemporary moral problems, and the limitations such problems impose upon the law.

Ph 255 Political Philosophy ‡‡ 3 Crs.
This course will treat the perennial question of political philosophy—whether or not men can know and found the best political regime—in order to shed light on the nature of modern political systems. Issues discussed will include the difference between ancient and modern political theory, the relation of philosophy to politics, and the influence of technological thinking on political systems.
Ph/Bu 257 Business Ethics ‡‡ 3 Crs.
An investigation of the philosophical questions which arise in normal business situations. The case-study method will be used to examine such questions as nepotism, competition, marketing, career advancement, and product research. There will be consideration given to the question of whether a special ethic should apply to business situations.

Ph 258 Medical Ethics ‡‡ 3 Crs.
A study of ethical theories and their application to current biomedical issues, such as death and euthanasia, abortion, patient’s rights, professional responsibilities, human experimentation, behavior control, and genetic testing and experimentation.

Ph 262 Existentialism in Art and Literature ‡‡ 3 Crs.
Through a survey of modern art an attempt is made to highlight the modern artists’ interpretation of the new direction man has taken in reconstructing his values. Direct emphasis is put on the “existential” as perceived in literature, film, painting, music, and sculpture.

Ph 270 Philosophical Anthropology ‡‡ 3 Crs.
This course deals with philosophical reflections on the nature and meaning of “man,” especially in contemporary philosophy such as Existentialism and Marxism. The philosophical writings of Martin Buber and Max Scheler on the nature of “man” will be studied.

Ph 275 Process Philosophy ‡‡ 3 Crs.
An examination of the influence of the idea of cultural and biological evolution on philosophy in the 19th and 20th centuries, especially on the thought of Bergson, Dewey, Whitehead, and Teilhard de Chardin.

Ph 278 Values in Conflict ‡‡ 3 Crs.
This course considers in detail contemporary ethical systems. After examining the Judeo-Christian ethical tradition, attention is turned to recent intellectual movements that have affected modern man’s re-evaluation of classical and traditional morality, namely Marxism, psychoanalysis, and existentialism. An attempt is made to establish a dialogue and a synthesis of these trends.

Ph 283 The Philosophy of God ‡‡ 3 Crs.
Study of the continuous search for grounding the belief in a transcendent being: God. An investigation of the facts and the arguments used throughout history to prove the reality and the nature of a supreme being. Counter-arguments are also considered.

Ph 306 Existentialism ‡‡ 3 Crs.
A study of 19th and 20th century existentialism, especially the thought of Kierkegaard, Nietzsche, Heidegger, and Sartre.

Ph 307 Introduction to Phenomenology ‡‡ 3 Crs.
This course focuses primarily on the phenomenological philosophy of Edmund Husserl. Some of the topics considered in detail are Husserl’s understanding of phenomenology as a philosophical method, the transcendental reduction, consciousness, intersubjectivity, and the lifeworld (Lebenswelt). An attempt is also made to probe into Husserl’s influence on the phenomenological philosophies of Hiedegger, Merleau-Ponty, and Scheler.

Ph 312 Philosophical Foundations of Marxism ‡‡ 3 Crs.
A study of the philosophical development of the young Karl Marx, from his flirtation with Hegel to Feuerbach, to his own historical perspective.

Ph 322 American Philosophy and Culture ‡‡ 3 Crs.
Study of the interaction of American philosophical thought and the American experience as revealed in the philosophies of Edwards, Emerson, Royce, Peirce, James, and Dewey.

Ph 382 Problems in Contemporary Philosophy ‡‡ 3 Crs.
Topics to be selected by the instructor; they may include: “war and peace,” “near death
studies,'" the "contemporary philosophical novel," "new directions in American Philosophy," or "the crisis in contemporary professional ethics," to mention a few.

Ph 399 Independent Study 1-3 Crs.
For students who wish to pursue an area of study for which no course is presently provided. The student must find an instructor competent in his/her proposed topic and secure the permission of the Chairperson and the Dean, from whom the necessary forms may be obtained.

Political Science Courses

Po 121 Introduction to American Government †† 3 Crs.
This course explores a variety of material which collectively comprises the American political system. Students are introduced to the theoretical foundation of American Government, the U.S. Constitution, political behavior, Congress, the Presidency, and the Supreme Court.

Po 122 Introduction to International Relations †† 3 Crs.
Introduces the student to the fundamental factors in analyzing and understanding international relations. Nature and evolution of the nation-state system, sovereignty, national interest, power, diplomacy, war, and adjustment of international conflict.

Po 212 American State and Local Government †† 3 Crs.
This course examines the "subnational" level of American politics. Central topics include the constitutional position of state governments, federal-state interaction, financing of state governments, models of state governments, and public policies.

Po/Lw 213 Lobbying and the Legislative Process †† 3 Crs.
This course focuses on various factors which influence legislative decision making and methods of lobbyists and public interest groups in intervening successfully in the legislative process. Also covered are ethical and legal boundaries for lobbying activity and the development of competency in research involved with legislative intervention by lobbyists and public interest groups.

Po 214 Connecticut State Government †† 3 Crs.
An examination of the development of the State of Connecticut from the time of its colonial origins to the present day functioning of the Connecticut government system and its legislative responses to issues such as urbanization and industrialization.

Po 215 Political Parties †† 3 Crs.
The role of political parties in America's Democracy is the central concern in this course. The structure and function of party organization, the behavior of the American electorate, and the effectiveness of parties in the governing process are examined. Additionally, the goals and categories of minor parties are discussed.

Po/Lw 216 Congress and the Legislative Process †† 3 Crs.
An examination of Congress, its constitutional powers, historical development, internal processes, and culture as well as external influences—executive branch, interest groups, public opinion, and elections.

Po 217 The American Presidency †† 3 Crs.
An analysis of the role of the chief executive in the American political system. Attention will be given to the evolution, functions, and limits of executive leadership as well as to relations with Congress, courts, bureaucracy, public opinion, and the role of personal style in the office.

Po 218 The Politics of Presidential Elections †† 3 Crs.
This course explores the various dimensions of presidential elections. Topics include political coalitions, campaign strategy, the role of media and money, conventions, and presidential debates. Problem-solving cam-
Campaign workshops are periodically conducted within the classroom.

**Po 231 Comparative European Politics ‡‡ 3 Crs.**
A comparative analysis of the governments and politics of the United Kingdom, France, Germany, and the Soviet Union. Similarities and differences are explored with respect to the patterns of modernization, political culture, political behavior, and political institutions.

**Po 233 Comparative Asian Politics ‡‡ 3 Crs.**
A comparative study of the politics and governments of Japan, China, and possibly other Asian states with special emphasis upon their modern development.

**Po 234 Politics of the Middle East ‡‡ 3 Crs.**
A survey of the problems and prospects of the Middle East focusing upon the culture, intrusion of the West, Islam, forces for stability and change, as well as the role of the Middle East in world affairs. Discussion of contemporary issues.

**Po 242 International Organizations ‡‡ 3 Crs.**
A study of the origins, evolutions, structure, and functions of major global, regional, and supranational organizations with special attention focused upon the League of Nations and the United Nations.

**Po 244 American Foreign Policy Since 1945 ‡‡ 3 Crs.**
This course treats the major themes of American foreign policy since World War II—containment, deterrence, detente, the use of force, and economic diplomacy—and also the changing bases of national power in a world increasingly characterized by vulnerability to nuclear war, economic danger, and regional instabilities, as well as energy, food, and resource dependencies.

**Po 245 U.S. Foreign Policy in Africa ‡‡ 3 Crs.**
U.S. foreign policy toward Africa from the 19th century, with emphasis since 1945. This course considers the spread of liberalism in Africa and recent developments in South Africa.

**Po 246 U.S. Foreign Policy and the Third World ‡‡ 3 Crs.**
This course will include a systematic analysis of Third World value systems and the U.S. foreign policy response to them. The approach of the course will be based on fourteen major reading assignments. Enrollment is limited to twelve with the permission of the instructor.

**Po 285 Future Politics ‡‡ 3 Crs.**
An examination of the alternative futures which face America, industrial civilization, and mankind as well as the scientific and technological, environmental, social, economic, and political components which describe and drive them.

**Po 301 Development of Ancient and Medieval Political Theory ‡‡ 3 Crs.**
Examines the political views of the early philosophers from ancient Greece to the Middle Ages, Plato, Aristotle, and later development of classical political thought through selected works of Roman and Medieval theorists.

**Po 302 Development of Modern Political Theory ‡‡ 3 Crs.**
The modern political thinkers from Machiavelli to contemporary times. Treatments of Machiavelli, Hobbes, Locke, Rousseau, Hegel, and Marx.

**Po 305 Political Profiles: Hitler, Stalin, Mao, and Tito ‡‡ 3 Crs.**
A study of the emergence, personality, and impact of each of these major 20th century figures.
Po/Lw 321 Public Administration ✦✦ 3 Crs.
A survey course of administrative theories and skills for those intending to enter the public sector. Theories of public organizations, their legal and political framework, unions, planning, budgeting, communication, leadership, and other skills. Appropriate for those planning careers in service, non-profit organizations, or government agencies.

Po 322 American Public Policy ✦✦ 3 Crs.
The analysis of government policies and programs, generally at the national level. Evaluations of public needs, options for government response, role of experts, impact of political and social forces and their outcomes. Examination of certain policy areas in welfare, education, crime, energy, and others.

Po 323 Politics of Organizational Leadership ✦✦ 3 Crs.
This course focuses upon the role of leadership in organizations. It is organized in a seminar fashion, utilizing both readings and papers as well as workshops and simulations to enhance student skills in this vital area of career activity.

Po/Lw 325 Politics, Law, and Judicial Behavior ✦✦ 3 Crs.
The judiciary's role in the American political process is examined. Topics include the nature of law, political influence in judicial decision making, court organization, judicial recruitment, and the powers and limitations of the judiciary.

Po 341 International Law ✦✦ 3 Crs.
This course traces the development of international law by reviewing principles and cases in major topical areas.

Po 351/Lw 234 Constitutional Law ✦✦ 3 Crs.
An inquiry into American constitutional law through the study of outstanding cases. Attention is given to the development of constitutional doctrines and the processes of legal reasoning.

Po 391 Internship Program 3-15 Crs.
The Political Science Internship Program offers students valuable field experience in public organizations, the mass media, and political campaigns as well as in municipal, county, state, and national governments. In all instances, permission for an internship must be secured in advance.

Po 395 Seminar in Political Science ✦✦ 3 Crs.
Advanced study of a particular theme or selected topics in political science in a seminar setting. Open to Junior and Senior majors or by permission of the instructor.

Po 399 Independent Study 1-3 Crs.
Guided study of a topic that goes beyond normal course offerings under the direction of a member of the political science faculty. Approval of Director of Political Science Program required. By special arrangement.

Psychology Courses

Ps 010 Seminar in Self-Management 3 Crs.
A presentation of techniques useful for life structuring, including personal assessment, goal setting, self-applied behavior modification, and career planning. Does not satisfy Baccalaureate Core or major requirements.

Ps 101 General Psychology-Scientific Aspects ✦✦ 3 Crs.
Introduction to Psychology as the science of behavior, focusing on the individual as an adapting biological system. Topics include history and methodology, physiological basis for behavior, sensation, perception, learning, memory, and thought.

Ps 102 General Psychology-Psychodynamics ✦✦ 3 Crs.
A continuation of Ps 101. Topics include personality development and assessment, person
perception, interpersonal attraction, conformity, and behavior disorders. Prerequisite: Ps 101.

Ps 121 Applied Psychology †† 3 Crs.
A survey of the professional activities of psychologists as applied to the fields of business, advertising, mental health, education, and law.

Ps 125 Psychology of Dreams and Dreaming †† 3 Crs.
The physiology and interpretation of dreams. Requires the keeping of a dream diary by the students. Prerequisite: Junior or Senior standing.

Ps 131 Dynamics of Behavior †† 3 Crs.
Considers the basic nature of both healthy and faulty patterns of human behavior. Topics include personality development, motivation, stress, and adjustment.

Ps 132 Adjustive Behavior †† 3 Crs.
Considers development and function of groups, the way groups and individuals influence each other, interpersonal relationships such as marriage and occupation, and resources for personal growth and change. Studies applications of concepts for effective behavior. Prerequisite: Any Psychology course.

Ps 135 Drugs and Behavior †† 3 Crs.
An examination of the relationship between drugs and behavior as manifested in the characteristics and activities of psychoactive drugs, drug users, and society as a whole. Prerequisite: Ps 101.

Ps 141 Expanding Human Awareness I 3 Crs.
A positive focus group experience designed to increase awareness of oneself and others. Current research in the field will also be evaluated. Does not satisfy Baccalaureate Core or major requirements.

Ps 142 Expanding Human Awareness II 3 Crs.
A continuation of Ps 141. Experience and discussion in a positive-focus setting. Does not satisfy Baccalaureate Core or major requirements. Prerequisite: Ps 141 and permission of instructor.

Ps 151 Statistics for the Behavioral Sciences 3 Crs.
An introduction to the basic concepts and techniques of statistics as they apply to behavioral research. Topics include the organization of data, measures of central tendency and variability, correlation, sampling error, parametric and non-parametric tests of significance, and an introduction to analysis of variance. Prerequisite: C or better in Mt 002.

Ps 152 Research Design and Analysis 3 Crs.
The application of statistical principles to the mechanics of the scientific method within the context of psychological research. Stress is placed on the design of models for hypothesis testing, relation of theory to hypothesis, and control of extraneous variables. Prerequisite: Ps 151.

Ps 161 Psychological Evaluation †† 3 Crs.
A description and demonstration of the tests and other diagnostic procedures used by psychologists in conducting an evaluation of children and adults in a school or private setting. Consideration will be given to what is looked for and how it is assessed in a psychological evaluation.

Ps 171 Psychology of Women †† 3 Crs.
A survey and examination of current research and theories about women and sex roles. Topics discussed include attitudes toward women, motherhood, mother-daughter and father-daughter relationships, women and work, sexuality, marriage, love, and the biology of women.
Ps 181 Assertiveness Training 3 Crs.
The purpose of this course is to develop an understanding of theory and applications of assertiveness training, to develop an awareness of self, and the implications that this course provides for personal growth. Topics explored include: Theoretical Development of Behavior Therapy, Assertiveness Training Process, Development of Skills and Abilities. Does not satisfy Baccalaureate Core or major requirements.

Ps 191 Paranormal Psychology 3 Crs.
Considers a wide variety of "psychic phenomena" including: ESP, spirit manifestation, possession, and spiritual healing. Discussions of supportive evidence and explanatory theories help students develop critical perspective that will assist them in making informed judgements as to what is or is not believable.

Ps 215 Social Psychology: Microprocesses †† 3 Crs.
Focuses on how people are affected by the persons around them. Topics discussed include person perception, first impressions, interpersonal attraction, nonverbal communication, romantic love, prejudice, stereotyping, aggression, conformity, obedience, and environmental influences on behavior. Prerequisite: Ps 101.

Ps 241 Psychology of Personality †† 3 Crs.
Focuses on the personality theories of Sigmund Freud, Carl Jung, Alfred Adler, Karen Horney, and transactional analysis. Prerequisite: Ps 101.

Ps 242 Psychology of Personality II: The Existentialists †† 3 Crs.
This course considers more recent approaches to personality, particularly the Existential-Humanistic perspective. The viewpoints of such thinkers as Sartre, Marcel, Buber, Maslow, Allport, Rogers, May, Frankl, etc., will be considered. Prerequisite: Ps 101 or permission of instructor.

Ps 252 Child Development Psychology †† 3 Crs.
Biological, psychological, and social factors in child development from birth to pre-puberty with particular emphasis on cognitive, emotional, and personal social functioning. Prerequisite: Ps 101.

Ps 260-269 Experimental Psychology 3 Crs.
A series covering research techniques and literature in a particular area of psychology. Laboratory work is included. Six credit hours are required for major. Lab fee: $20.00.

Ps 261 — Perception Ps 265 — Cognition
Ps 262 — Learning Ps 266 — Social Psychology
Ps 263 — Sensation Ps 267 — Motivation
Ps 272 Adolescent-Old Age Psychology †† 3 Crs.
An interdisciplinary study of the development and behavior of the human being from puberty to old age. Includes issues and problems relevant to adolescence, developmental tasks of adulthood and middle age, psychological characteristics of the elderly, and the psychology of death and dying. Prerequisite: Ps 101.

Ps 273 Adolescent Development 3 Crs.
An interdisciplinary study of development and behavior in adolescence with emphasis on various issues and problems as well as coping mechanisms for adolescents and adults.

Ps 274 Adult Development 3 Crs.
Consideration of the various psychological issues and developmental tasks of adulthood and middle age, psychological characteristics of the elderly, and the psychology of death and dying.
Ps 285 Psychological Counseling I ³ ³ 3 Crs.
This course will cover the philosophy of counseling, fundamental principles, and the attitudes and techniques involved in a helping relationship. Several theories or approaches to counseling will be presented. Prerequisite: Ps 101.

Ps 289 Community Mental Health ³ ³ 3 Crs.
A course aimed principally at the following factors: (1) identification and delineation of contemporary mental health problems and issues; (2) a critical re-examination of basic models and assumptions; (3) planning procedures for the utilization and conservation of health resources; (4) development of community services with emphasis on prevention; and (5) research and evaluation techniques. Prerequisite: Ps 101 or So 101.

Ps 292 Systems and Theories of Psychology ³ 3 Crs.
An historical survey of theoretical formulations and systems in Psychology with evaluation of the contributions of structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, learning theory, and the physiological orientation. Prerequisites: Ps 101, Ps 102, and Senior standing.

Ps 301 Basic Concepts in Psychology ³ 3 Crs.
An advanced seminar devoted to discussing original sources covering basic concepts and current controversies in Psychology. Prerequisite: Psychology major and Senior standing or permission of the Chairperson.

Ps 311 Abnormal Psychology ³ 3 Crs.
This course considers more serious types of disordered behavior, such as schizophrenia, brain damage, retardation, alcoholism, etc. Various viewpoints concerning sexual deviations and sexual dysfunctions will comprise a segment of the course, as will a discussion of homosexuality. Prerequisite: Ps 102 or permission of instructor.

Ps 314 Psychology and Religion ³ ³ 3 Crs.
Deals with many of the overlapping concerns and insights of the fields of Psychology and Religion. Investigates some of the significant impacts Psychology has made on traditional religious faith and some of the influences of Religion upon mental health. Prerequisite: Junior or Senior standing.

Ps 321 Psychological Counseling II 3 Crs.
A study of the various dimensions of a helping relationship, including the establishment of goals and the consideration of the practical forces involved. Prerequisite: Ps 285.

Ps 322 Seminar in Interpersonal Relations ³ 3 Crs.
A seminar designed to acquaint the student with current research and techniques in group dynamics, assessment of normal and abnormal behavior, and other problems related to interpersonal development. Prerequisite: Ps 215.

Ps 331 Psychological Tests and Measurements ³ ³ 3 Crs.
Principles of test theory in Psychology; validity, reliability, and standardization of tests; survey of representative types of tests and measurements. Prerequisite: Ps 101.

Ps 341 Motivation: Principles and Applications ³ 3 Crs.
A seminar which incorporates experimental exploration of human motives. Three units treat the physiological origins of needs, drives, and emotions; emotional experience of different motives (role playing, games, and group experiences); and clinical, educational, and business applications.

Ps 345 Introduction to Individual Growth and Group Dynamics ³ 3 Crs.
An introduction to the dynamics of personal growth and development, coupled with an experiential component designed to enhance
individual growth as well as to experience and observe group dynamics. Emphasis in on the dynamics of stress and stress management. This course is limited to special students with demonstrated leadership ability. Does not satisfy Baccalaureate Core or major requirements.

**Ps 351 Physiological Psychology † † 3 Crs.**
This course examines the molecular and molar views of the nervous and endocrine systems and emphasizes the roles of these systems in behavior. Prerequisite: Ps 101.

**Ps 355 Environmental Psychology † † 3 Crs.**
An empirical inquiry into the effects of environment on behavior. Climatic variables, population density, urban stress, territoriality, styles of architecture, and spatial patterning are some of the foci of inquiry.

**Ps 390-395 Psychological Research 1-6 Crs.**
A senior course in which selected students conduct original independent research culminating in a formal written report at the end of the semester. By special arrangement with Chairperson.

**Ps 396 Field Experience in Psychology 3 Crs.**
Bridges the gap between theory and practice. Supervised practice is set in area agencies, schools, and institutions. Workshops focus on career assessment, values clarification, supervision issues, and personal growth. Open to Junior and Senior Psychology majors and minors. Prerequisites: Ps 101, Ps 102, and one other Psychology elective.

### Religious Studies Courses
Courses with an asterisk (*) are open to both undergraduate and graduate students.

**Rs 101 Introduction to the Study of Religion † † 3 Crs.**
A critical and constructive study of the nature of religion, of its functions in human life, and of its various forms and manifestations.

**Rs 210* Introduction to Biblical Method and Criticism † † 3 Crs.**
A brief history of biblical criticism leading up to an in-depth analysis of the achievements of recent biblical research in the area of New Testament studies. Prerequisite: Rs 101.

**Rs 211* Introduction to the Old Testament † † 3 Crs.**
An historical examination of the development of Old Testament traditions as well as a consideration of the historical rise of the people of Israel, the distinctive religious awareness that accompanied it, and Israel’s understanding of God, man, and history. Prerequisite: Rs 101.

**Rs 213 Comparative Religion † † 3 Crs.**
A comparative study of the central themes in the major religions of the world—Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam. Prerequisite: Rs 101.

**Rs 223* The Legacy of Paul † † 3 Crs.**
An examination of the life and letters of Paul, his understanding of man, the world, and the reality of God and His justice. Prerequisite: Rs 101.

**Rs 224* The Gospel of John † † 3 Crs.**

**Rs 229* Jesus † † 3 Crs.**
An attempt to recover the words and actions of the historical Jesus through a proper methodological examination of the sources. Special emphasis will be given to the parables of Jesus. Prerequisite: Rs 101.

**Rs 230 The Death and Resurrection of Jesus of Nazareth † † 3 Crs.**
The course will concern itself with the development of the traditions of the death and resurrection of Jesus which now stand in the
gospels of Matthew, Mark, Luke, and John. Interest will be taken in isolating those factors that influenced the development as well as in historical matters. Prerequisite: Rs 101.

**Rs 232* Contemporary Religious Thinkers † † 3 Crs.**
A close examination of the selected, representative writings of a specific religious thinker(s). In any given semester, the course will focus on the work of either an important theologian or a contemporary scholar of religion. Students should consult the instructor of the course in order to obtain information concerning the topic for that semester. Prerequisite: Rs 101.

**Rs 243* The Development of Christian Thought † † 3 Crs.**
The course of the Church’s historical and dogmatic traditions will be traced from the New Testament period through contemporary developments in light of the original Christian dynamic. Prerequisite: Rs 101.

**Rs 244 American Catholicism † † 3 Crs.**
A survey of the history of American Catholic life and thought. This course will underscore those issues that have been and continue to be especially relevant to Roman Catholics in America. The writings of selected American Catholic theologians will be examined and the significance of other prominent Catholic figures will be explored.

**Rs 245* Contemporary Roman Catholic Thought † † 3 Crs.**
A survey of the various intellectual, political, and social movements that have shaped contemporary Roman Catholic life and thought. The course will trace the recent development of Roman Catholic theology, and the special significance of the Second Vatican Council will be explored. Prerequisite: Rs 101.

**Rs 246* God † † 3 Crs.**
This course will explore the meaning of ‘‘God’’ in contemporary thought. Prerequisite: Rs 101.

**Rs 248 Contemporary Protestant Thought † † 3 Crs.**
Barth, Bultmann, Neibuh, Tillich, and Bonhoeffer have all left an indelible mark on present theological thought. This course will explore the major themes that run through the work of these theologians. Prerequisite: Rs 101.

**Rs 249 Contemporary Jewish Thought † † 3 Crs.**
A survey and comparison of the writings of contemporary Jewish thinkers such as Buber, Heschel, Rosenzweig, and Fackenheim. Prerequisite: Rs 101.

**Rs 257* Contemporary Moral Issues † † 3 Crs.**
An examination of selected moral problems that involve a significant conflict of values in our contemporary pluralistic society: sexual ethics, biomedical ethics (abortion, genetic engineering, behavior modification, euthanasia), revolution and violence, environmental quality, and population policy. Prerequisite: Rs 101.

**Rs 258* Issues in Religious Ethics † † 3 Crs.**
A study of some of the more important issues confronting the contemporary attempt to construct a philosophically and theologically adequate ethical methodology. Prerequisite: Rs 101.

**Rs 260* Religion, Person, and Society † † 3 Crs.**
An examination of the major contemporary social problem areas: family, education, government, business, and the religious values that can be brought into play to meet them. Special focus on ‘‘The Church and the Modern World’’ of Vatican II and its practical implications today. Prerequisite: Rs 101.
Rs 261* Symbol, Myth, and Ritual †† 3 Crs.
The basic categories of symbol, myth, and ritual will be defined and their religious significance will be explored. Theoretical analyses of the human symbolic imagination will also be examined. Prerequisite: Rs 101 (for undergraduate students only).

Rs 262* Family Institute †† 3 Crs.
This week-long course is offered in the summer and can be taken for credit or non-credit. The course explores issues relating to the contemporary Christian family in today's complex world. Some of the topics covered in past institutes have been the communication of personal values within the family and the instillation of social values in the young. Please consult the Religious Studies Department for current topic. Prerequisite: Rs 101 (for undergraduate students only).

Rs 263* Summer Institute †† 3 Crs.
Each summer the Institute for Religion and Society offers a one-week course addressing a variety of topics pertaining to Religious Studies which can be taken for credit or non-credit. The course content and instructors change each year. Some of the courses that have been offered in the past are: "The Spirituality of Women," "Developing the Whole Person: Body, Mind, Spirit," "Dreams and Spiritual Growth," and "Values and Communication." Please consult the Religious Studies Department for current topic. Prerequisite: Rs 101.

Rs 265* Problems in the Philosophy of Religion †† 3 Crs.
Some of the principal problems concerning the nature and justification of religious belief and experience from the viewpoints of philosophical analysis and religious existentialism. Prerequisite: Rs 101.

Rs 268* Classics of Western Spirituality †† 3 Crs.
A close examination of the writings of one or more of the great spiritual masters of the western religious traditions (e.g., John of the Cross, Theresa of Avila, Ignatius Loyola, Teilhard de Chardin, Martin Buber, Thomas Merton). Prerequisite: Rs 101.

Rs 270* Religion, Business, and Society †† 3 Crs.
This course will look to the specific challenges arising from modern, corporate business technology as viewed within the context of an incarnational theology of work and social responsibility. Prerequisite: Rs 101.

Rs 271 Science and the Sacred †† 3 Crs.
An exploration of the differences, similarities, and intersections between science and religion. The relation between scientific paradigms and religious myths will be examined, and scientific and religious concepts of "experience" will be compared. Ecclesiastical, medical, and scientific roles; practices and institutions will be contrasted; and the attempt to synthesize science and religion will be evaluated. Prerequisite: Rs 101.

Rs 272 The Shamanistic Experience †† 3 Crs.
The Shaman stands on the premise that there is more to the world than the average man sees. The course is concerned with religious vision and literal blindness. The subject matter is ourselves; the teachers—Carlos Castaneda, Franz Kafka, Jorge Luis Borges, Thoreau, Paul, Jesus, et al. Prerequisite: Rs 101.

Rs 273* Women Writers and the Religious Quest †† 3 Crs.
An encounter with the experience and stories of Atwood, Lessing, Rich, Chopin, and other women writers who provide a new orientation to the sacred. Prerequisite: Rs 101.

Rs 275 The Mystery of Death †† 3 Crs.
Death endures as the one certain and inevitable "fact" of life. It stands as the reality that cannot be ignored when the question of the meaning of human existence is raised. It is the intention of this course to allow the
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revelatory dimensions of death to be. Course taken with the permission of instructor. Prerequisite: Rs 101.

Rs 277 Play †† 3 Crs.
An examination of the reality of play and its relation to the experience of transcendence and the religious life. Prerequisite: Rs 101.

Rs 285 Religion and the Human Sciences †† 3 Crs.
An exploration of the significance of Psychology, Sociology, and other human sciences for contemporary theological understanding. Comparison will also be drawn between the various understandings of the human as derived from scientific and theological humanists. Prerequisite: Rs 101.

Rs 289 Religion, War, and Peace †† 3 Crs.
The fundamental orientation of the course is constructive. It provides an informed, realistic understanding of the meaning of peace and war and how peace can be worked towards, if not achieved, in the light of basic Judeo-Christian values. Prerequisite: Rs 101.

Rs 290 Elementary Hebrew †† 3 Crs.
Elements of Hebrew grammar and translations of Old Testament prose. Prerequisite: Rs 101.

Rs 291 Religious Themes in the American Novel †† 3 Crs.
A reading of contemporary novels with an attempt to examine their religious nature. What are our writers saying about the meaning of our lives and our deaths? Included in this course will be James Agee, James Baldwin, Truman Capote, Isaac Bashevis Singer, and John Updike. Prerequisite: Rs 101.

Rs 292 Images of the Religious Experience †† 3 Crs.
An examination in film of the way people respond (or fail to respond) to opportunities for personal religious growth, moral decision making, etc. The course will center on viewing, reactions to, and techniques of film as religious symbols. Prerequisite: Rs 101.

Rs 294* Elementary New Testament Greek †† 3 Crs.
Introduction to the nominal and verbal systems of Hellenistic Greek designed to provide a basis for reading the Greek New Testament. Prerequisite: Rs 101.

Rs 295* Intermediate New Testament Greek †† 3 Crs.
A study of the syntax of Hellenistic Greek in union with selected readings from the Greek New Testament. The aim of the course is to achieve a moderate reading proficiency at sight. Prerequisite: Rs 101.

Social Work Courses

Sw 101 Introduction to Social Work 3 Crs.
An introduction to Social Work as a problem-solving response to social problems, an understanding of the institutional context of social work practice, and an orientation to the values, knowledge, and skills which underline this practice. It is the first required course in the major but is open to all students.

Sw 110 Human Relations 3 Crs.
This course is designed to provide the theory and experiences necessary to develop effective interpersonal skills. The material will be useful for students in all fields of study who are interested in enhancing their interactional techniques for personal and professional use. Special emphasis will be placed on such skills as listening, confrontation, problem-solving, and conflict management. Heightened self-awareness and the capacity to help others will be stressed.

Sw 130 Issues and Problems in the Life Cycle of the Family 3 Crs.
The purpose of this course is to provide
students with an understanding of the family as a primary social system in our society. Students will examine the process of family development over its life-span and will explore the problems and challenges at each stage of development. Interactional patterns between parents and children, and techniques of family problem-solving will also be covered in this course.

Sw 131 Meeting the Needs of the Elderly 3 Crs.
Explores the problems of older adults in America and how their needs can be met within the family and social service system. Topics include biological, psychological, and social problems; specific needs such as health, mental health, financial security, and housing; and the special needs of minority, ethnic, women, and rural elderly, and the resources for addressing such needs.

Sw 265 Social Welfare as a Social Institution 3 Crs.
Examines the social welfare institution and the impact of socio-economic and political forces on social welfare policies and programs as they respond to social problems. Emphasis is placed on the organizational context of the social service delivery system, self-help, knowledge of social welfare resources, the network of social agencies, and the contribution of social work as a profession. Prerequisites: Junior standing, Sw 101, or permission of instructor.

Sw 266 Social Welfare Policy and Services 3 Crs.
Examines social problems in the United States and analyzes the impact of policies and policy formulation on people, including an awareness of the differential impact on the various socio-economic classes, the ethnic, social, religious, age, and sex groups in the population. Analyzes program and practice inadequacies and applies problem-solving methods to the identification of feasible policy reform options. Prerequisites: Junior standing, Sw 265, So 206, and Po 213.

Sw 267 Human Behavior and the Social Environment I 3 Crs.
An introduction to the development of personality structure as an adaptive mechanism which emerges in the process of interchange between the human organism and its environment. Emphasis on the stages of the life cycle, the psychological, socio-economic, and cultural influences on development; understanding of human diversity; and identification and assessment of situations in which people need help. Prerequisites: Junior standing, Bi 101, Ps 101, and So 101.

Sw 268 Human Behavior and the Social Environment II 3 Crs.
Study of human diversity and its development through interaction with social systems. Focus upon family, group, community, and organizational systems and their impact upon human development and behavior through interaction with one’s environment. Emphasis upon assessment of individuals, groups, families, communities, and organizations. Exploration of the resources and problems in social systems and their influences on the individual. Prerequisite: Sw 267.

Sw 275 Social Work Practice I 3 Crs.
An introduction to the generic model of social work practice designed to provide knowledge of social work practice components, a structural analysis of its purposes, functions, values, and task/skill components. Using systems theory, social work practice is analyzed as a planned change and problem-solving process. Data collection and analysis, problem assessment, goal setting, and other skills are taught. Prerequisites: Junior standing and Sw 101. Corequisite: Sw 267.

Sw 278 Junior Field Practicum 4 Crs.
Intermediate Social Work majors (Juniors) are assigned two days per week in a human service agency where field instructors offer professional supervision. The Junior Practicum is designed to help students learn how to enter a social agency system as a profes-
sional social worker, making contact with clients, and linking these clients with resources within and outside the agency. Prerequisite: Departmental evaluation for admission to intermediate major status. Corequisites: Sw 268 and Sw 279.

Sw 279 Junior Field Practicum Seminar 2 Crs.
The Junior Field Practicum Seminar is designed to facilitate, reinforce, and support learning in the Practicum. It will guide the student in the process of directing his/her own learning and assist in the early professional socialization of the student. Corequisite: Sw 278.

Sw 335 Child Welfare Services 3 Crs.
Examination of the full range of child welfare services in America designed to meet the needs of children and laws which protect the rights of children in our society. Students explore the subject of child abuse/neglect; develop practice skills; and study issues of permanency planning, attachment and separation, client resistance, burn-out, and use of legal authority. Prerequisite: Sw 101 or permission of the instructor.

Sw 375 Social Work Practice II 3 Crs.
This second semester continues with the examination of modalities which can be used in interventions with individuals, families, groups, communities, organizations, and service delivery systems which began in Sw 275. Emphasis is placed on the study and acquisition of practice, knowledge, and skills necessary to implement planned change. Prerequisite: Sw 275. Corequisites: Sw 378 and Sw 379.

Sw 378-379 Senior Field Practicum 3 Crs.
The Senior Field Practicum takes place over the entire Senior year and assigns Senior students for two days per week in a human service agency where a field instructor offers individualized professional supervision. It provides experiential learning to help students integrate theory with practice and to develop appropriate practice skills and knowledge, along with professional identification, values, and attitudes. Prerequisite: Departmental evaluation for admission to degree candidacy status. Corequisites: Sw 380 and 381.

Sw 380-381 Senior Field Practicum Seminar 4 Crs.
These two seminars are taken also over a period of two semesters concurrently with Sw 378-379. The Senior Practicum Seminars facilitate, reinforce, and support learning in the practicum. Emphasis is on the integration of theory with practice, on understanding applications of theory from the entire curriculum to practice. These seminars help students assume professional responsibility for their own practice. Corequisites: Sw 378 and Sw 379.

Sw 390 Research Methods for Social Work 3 Crs.
Development of research skills for social work practice. Emphasis on familiarity with the language for research, understanding logic and the conceptual tools of scientific inquiry, strategies of research designs, knowledge of evaluative research methods and social indicators, appreciation of the relationship between research and theory to problem-solving in Social Work, and the ability to read and interpret research articles. Prerequisite: Senior standing. Corequisites: Sw 380 and Sw 381.

Sociology Courses

So 101 Principles of Sociology 3 Crs.
An introduction to the study of human behavior as shaped by the contexts of individuals, groups, society, and culture. The basic terminology, concepts, theories, and methods of Sociology as an empirical science will be covered.

So 121 Social Problems 3 Crs.
The sociology of human crises. Social disor-
ganization and its symptoms. This course seeks to understand the human dimension in the cause and effect patterns within which crises develop and looks for solutions to them.

**So 185 Social Stratification** 3 Crs.
Institutionalized social inequality in wealth, prestige, and power. Theoretical explanations of such inequalities and factual information on systems of stratification. Analysis of stratification in the U.S.A. Prerequisite: So 101.

**So 201 Women in the Professions** 3 Crs.
This course analyzes the status of professional women in different professions. Institutionalized forms of sexism rampant in some professions are studied emphasizing possible solutions and their effects on existing social values. Prerequisite: So 101.

**So 203 Human Sexuality** 3 Crs.
The sociology and anthropology of sexual identity and behavior.

**So 206 Society and Economic Issues** †† 3 Crs.
This course is designed for anyone interested in understanding the social impact of the economics of our times and the policy issues which affect us and our communities. The following topics are discussed with an emphasis on their social dimension: inflation; federal, individual, and corporate taxation; the negative income tax; economic policies regarding pollution; economic aspects of the health care industry, and education.

**So 215 Social Psychology: Macroprocesses** †† 3 Crs.
Emphasis in this course is on the social and cultural factors which influence individual behavior in group processes. Socialization, social interaction, social influence and conformity, decision making, attitudes, opinions, and other related topics are covered. Prerequisite: So 101.

**So 219 Social Change** 3 Crs.
Consideration of various theories and models of social-culture change: cultural diffusion, social movements, conflict, social evolution, and planned change. Strategies and tactics for changing social systems. Prerequisite: So 101.

**So 228 The Corporate Society** †† 3 Crs.
A study of the relationship between the modern business corporation, the cultural system, and the individual. Topics will include the corporation and the business world as a social system, the culture of the corporate society, and the effects of corporate work on the individual's personality, family, leisure time, and personal relationships. Prerequisite: So 101.

**So 231 Marriage and the Family** 3 Crs.
Family as a major social institution. Changing role, structure, and functions of the modern family. Rural-urban, social class, and ethnic differences in family organization. Marriage and family as a developing system of interpersonal relationships. Prerequisite: So 101.

**So 238 Sociology of Health and Health Care** †† 3 Crs.
This course is an introduction to the sociology of health. It covers the relationship of illness to class, race, sex, age, and culture; the structure and dynamics of America's health-delivery system or the institutionalization of health care and mental health care; and looks into the consequences of government involvement in health care with special attention to Medicare, Medicaid, and National Health Insurance. Prerequisite: So 101.

**So 242 Urban Sociology** 3 Crs.
Analysis of the structures and processes that make up the form of human settlement known as the "urban community." From town, to city, to metropolis, to megalopolis,
to ecumenopolis. Changes in social scale, in social organization, and in culture which accompany increasing size, density, and heterogeneity of urban communities. Prerequisite: So 101.

So 243 Political Sociology 3 Crs.
Analysis of the social bases of political behavior and the impact of social structure on political organization. Discussion of empirical studies, of voting patterns, decision making, and community power with a special attention to the factors determining the amount of power exercised in a society and the degree of its concentration in formal political structures. Prerequisite: So 101.

So 260 American Minorities 3 Crs.
A sociological analysis of minority status and its impact on the life chances of minority group members. The course covers the whole spectrum of human diversity as reflected in the minority status of racial, ethnic, gender, age, and deviant groups. Emphasis is given to the experiences and relationships of these groups with the dominant culture; cultural pluralism is explored as an alternative. Prerequisite: So 101.

So 271 Criminology 3 Crs.
The nature and extent of crime, theories of causation, types of crimes, and analysis of the effort to cope with criminal behavior. Prerequisite: So 101.

So 275 Deviance and Social Control 3 Crs.
Theory and research on deviant behavior with emphasis on sociological approaches to causality, societal reaction, and the social-psychology of the deviant. Function and dysfunction of deviant behavior for society and the individual. Methods and institutions of social control. Prerequisite: So 101.

So 276 Juvenile Delinquency 3 Crs.
Sociological analysis of delinquent behavior. Legal and sociological theories of causation. Prerequisite: So 101.

So 281 Demography 3 Crs.
The analysis of population: size, composition, and distribution in geographical space. Population change through fertility, morality, migration, and social mobility. Planning for and projecting changes in population. Prerequisite: So 101.

So 286 The Sociology of Education 3 Crs.
Education as a social institution: problems, stresses, and tensions in relation to minority situations; education in the urban scene and within the American culture. Critique of policies, consideration of potentials and possibilities. Prerequisite: So 101.

So 289 Delinquency Prevention 3 Crs.
An analysis of society’s attempts to prevent and modify delinquent behavior. The purpose of the course is to examine the assumptions, operations, and effectiveness of programs dealing with delinquency. Prerequisite: So 276 or permission of the instructor.

So 291 Methods of Social Research I 3 Crs.
Covers the scientific method, exploratory, descriptive, experimental, evaluation, and survey research. Also, measurement, data collection and analysis, sampling, coding, computer processing, and research reports. Prerequisites: So 101 and Junior standing.

So 297 Sociology of Religion 3 Crs.
Origin and development of religious institutions. A sociological analysis of religion and its social significance. Prerequisite: So 101.

So 303 Sociological Theories 3 Crs.
Origins and development of sociological thought in Europe and in America in terms of its recurrent problems, its basic concepts, and its relation to contemporary sociological theory. The classical sociological theories are covered. Prerequisites: So 101 and Junior standing.
So 319 Collective Behavior and Social Movements 3 Crs.
Sociological analysis of social panic, crazes and fads, mobs, crowds, social movements, revolutions, and other forms of collective behavior. Prerequisite: So 101.

So 321 Contemporary Sociological Thought 3 Crs.
This is a seminar designed to introduce students to four of the dominant contemporary sociological perspectives: functionalism, conflict theory, interactionism, and exchange theory. The "ethnomethodological alternative" to these dominant theoretical perspectives is also covered.

So 328 Sociology of Complex Organization 3 Crs.
Analysis of formal bureaucratic organizations, theory and research on structures and processes of large-scale organizations in western society. Emphasis is also given to the analysis of organizational change. Prerequisites: So 101 and a minimum of 6 or more credit hours in Sociology.

So 330 Aging in Contemporary America 3 Crs.
This course addresses itself to the relationship of the aged to the major economic and political systems in America. Sociological focus will be upon the employment sector, the legal system, the government, political lobbies, cities, the health establishment, and community organizations. A critique of the present programs designed for the aged is a key topic. Prerequisites: So 101 and Junior standing.

So 390 Social Statistics 3 Crs.
Introduction to the application of basic statistical techniques in the analysis of sociological data. Strongly recommended for those planning graduate work in Sociology. This course is not accepted in lieu of Mt 005. Prerequisites: Mt 002, So 101, and Junior standing.

So 391 Methods of Social Research II 3 Crs.
This course continues where So 291 ends so as to complete the curriculum content specified under So 291. The two courses should be taken back-to-back as the arrangement of the components of the curriculum will vary from year to year to allow for different projects and applications. Prerequisites: So 291 and Junior standing.

So 393 Seminar in Corporate Sociology 6 Crs.
Independent research projects will be carried out by each student in a corporate setting and under the guidance of the course instructor. Class time will be spent in the discussion of progress and problems in the research process. The stress will be on the applied use of sociological methods and knowledge in a corporate setting and the use of sociological training in a corporate career. Corporate setting will be established by the course instructor. Prerequisites: Senior standing and permission of the instructor.

So 395 Internship in Social Research 3 Crs.
Participation in social research conducted and directed by faculty of the department. Prerequisites: So 391 and Senior standing.

So 397 Senior Seminar in Sociology 3 Crs.
Selected topics in Sociology. Students expected to present well-prepared papers or oral presentations in class. Prerequisites: Permission of the instructor and Senior standing.

So 399 Independent Study 3 Crs.
Credits and work by special arrangement with department faculty.
Division of Mathematics and Science

Biology Courses

Only Biology courses with laboratories may be taken for Core credit.

Bi 001 Introduction to Horticulture 3 Crs.
A study of the basic science from which horticultural practices are derived as well as the basic techniques necessary for horticultural production. Lecture and laboratory experience in the greenhouse. NOT FOR CORE CREDIT.

Bi 005 Introduction to Nutrition 3 Crs.
A study of the basic concepts of nutrition as well as current controversies. The course includes problems of food choices in relation to body needs and of designing and consuming a balanced diet for sound nutrition throughout life. NOT FOR CORE CREDIT.

Bi 010 The Nature of Life † † 4 Crs.
An introduction to basic biology concepts with emphasis on the molecular and cellular nature of life, energy systems in plants and animals, origin of life, reproduction, and basic evolutionary strategies. Three lectures and two hours of experiment and discussion per week. Lab fee: $25.00.

Bi 020 Heredity and Society † † 4 Crs.
A course in genetics designed for the non-science major. The material includes the physical basis of inheritance, the molecular nature of genetic information, and the effect of recent findings on society. Three hours lecture and two hours laboratory/discussion per week.

Bi 031 - 032 Human Anatomy and Physiology I, II † † 8 Crs.
A study of the structure of cells, tissues, and organ systems, their functional interrelationships and control mechanisms. Laboratory periods provide practical experience in understanding these concepts. Required for Nursing students. Three hours lecture and one three-hour laboratory period per week. Non-Nursing students are advised to consult instructor before registering for this course. Lab fee: $35.00 per semester.

Bi 033 Human Biology † † 4 Crs.
The human body systems beyond the levels of Bi 101. Physiological and biochemical considerations are correlated with anatomy and the general processes of integration and control, maintenance, and reproduction. Three hours lecture and two hours laboratory/discussion per week. Lab fee: $25.00.

Bi 034 Human Reproduction and Development † † 4 Crs.
Includes anatomy of male and female sexual systems; physiology of sexual functions; sex hormones and the reproductive period; the formation, nature, and union of gametes; conception, pregnancy, and childbirth. The developing structure of the early embryonic and extra-embryonic systems is emphasized as well as types of sexual disorders and diseases. Three hours lecture and two hours laboratory/discussion per week. Lab fee: $25.00.

Bi 050 Pollution in Fairfield County: A Practical Examination † † 4 Crs.
A practical examination of the main pollution problems in Fairfield county, their causes, alternate solutions, and evaluation of the favorable and unfavorable effects of these solutions. Air, water, solid waste, and noise pollution are covered along with the problems of population density. The course material is general enough to be applicable to urban-suburban areas. Three hours lecture and two hours laboratory/discussion per week.
Bi 051 Introduction to Marine Biology † † 4 Crs.
An introduction to the biology of marine organisms with emphasis on natural history, adaptations to the environment, and ecological interrelationships. Extensive field trips will enable students to observe and study marine organisms from a variety of habitats. Three hours lecture and two hours laboratory/discussion per week. Prerequisite: Bi 101 or college biology. Lab fee: $25.00.

Bi 052 Man and the Environment † † 4 Crs.
An inquiry into the interactions of man and environment including population and cultural problems, the use and misuse of physical, chemical, and biotic resources, and the nature of proper management systems. Three hours lecture and two hours laboratory/discussion per week. Lab fee: $25.00.

Bi 061 Introduction to Microbiology † † 4 Crs.
An introduction to the study of microorganisms, their basic morphology, cultivation, metabolism, and genetics. Infectious diseases are considered. Emphasis is placed on the bacteria, viruses, and fungi. Laboratory work stresses sterile technique, microscopic, culture, and biochemical characteristics, and control of microorganisms. Required for Nursing students. Three hours lecture and one three-hour laboratory period per week. Lab fee: $35.00.

Bi 080 Evolution and Survival † † 4 Crs.
The survival mechanisms of organisms, communities, and ecosystems as related to the nature and process of evolution. The course provides a view of evolutionary process and production in terms of adaptation, selection, and extinction. Three hours lecture and two hours laboratory/discussion per week. Lab fee: $25.00.

Bi 081 The Origin and Evolution of Man † † 4 Crs.
A survey of possible progenitors of man, primate evolution, roots of humanity and hominid beginnings, survey of significant discoveries of hominid fossils and tools, Great Rift Valley as the cradle of mankind, conflicting theories of the geographical origin of modern man, and the development of bipedalism and brain growth. Three hours lecture and two hours laboratory/discussion per week. Lab fee: $25.00.

Bi 111-112 Concepts in Biology I, II † † 8 Crs.
An experimental approach to major concepts in modern biology from both the molecular and descriptive viewpoint. Emphasis is placed on the diversity and interrelationships of all living organisms. Major topics include the origin of life, cellular energetics and metabolism, homeostatic relationships, integration and coordination, mechanisms of heredity, reproduction, and evolution. The course is required of all biology majors and open to all psychology majors and with the permission of the department to other qualified students. Three hours of lecture and three hours of laboratory per week. Prerequisite: Permission of the department. Lab fee: $35.00 per semester.

Bi 130 Fundamentals of Human Anatomy and Physiology 4 Crs.
A study of organ systems, their functional interrelationships, control mechanisms, and common disorders involving those systems. Laboratory periods will reinforce these concepts through practical applications of the physiological theories and demonstrations and dissection of the anatomical component of the course. Three hours of lecture and three hours of laboratory per week. Lab fee: $35.00.

Bi 154 Introduction to Medical Technology 1 Cr.
A one semester course dealing with the dif-
ferent aspects of Medical Technology. The course introduces the student to the various areas of medical technology (i.e. hematology, clinical microscopy, etc.) and teaches the individual what a medical technologist does. Also included in the course are proper interviewing techniques and proper resume writing. Only for Medical Technology students.

**Bi 210 Plant Growth and Development** 4 Crs.
The life of the plant will be considered from the viewpoint of both physiology and morphology. Emphasis will be on the experimental investigation of the plant's response to varying environmental conditions. Three lectures and three hours of laboratory per week. Prerequisites: Bi 111, Ch 011, and Ch 012 or permission of the department. Lab fee: $35.00.

**Bi 212 Animal Development** 4 Crs.
A study of gametogenesis, embryogenesis, morphogenesis, and evolutionary differentiation among vertebrates. The biochemical control of development and the major systems are considered. Laboratory work in gametogenesis, meiosis, cell differentiation, and organ systems in selected vertebrates. Three lectures and three hours of laboratory per week. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Lab fee: $35.00.

**Bi 220 Introductory Genetics** 4 Crs.
A study of Mendelian inheritance, the cytological basis of inheritance, and molecular genetics. Three hours of lecture and three hours of seminar per week. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Prerequisites for Medical Technology majors: Bi 111, Ch 011, and Ch 012. Lab fee: $35.00.

**Bi 230 Microbiology** 4 Crs.
A study of patterns of microbial physiology and ecology. Laboratory concentrates on identification of bacterial species. Three hours lecture and three hours laboratory per week. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Prerequisites for Medical Technology majors: Bi 111, Ch 011, and Ch 012. Lab fee: $35.00.

**Bi 235 Histology** 4 Crs.
A study of the microscopic anatomy of tissues, organs, and cells of the human body designed to provide the student with a basic understanding of the structural correlative functions. The laboratory introduces histological methods and gives practice in the identification of human tissues. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Lab fee: $35.00.

**Bi 240 Invertebrate Biology** 4 Crs.
A study of the major invertebrate phyla including a consideration of phylogenetic relationships and morphological and physiological adaptations related to the ecology or level of organization of each phylum. Laboratory and field work. Three lectures and three hours of laboratory per week. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Lab fee: $35.00.

**Bi 250 Medical Microbiology** 4 Crs.
A comprehensive study of pathogenic microorganisms with the emphasis on bacteria. The laboratory deals with the extensive use of differential and selective media for the identification of these microorganisms. In addition, biochemical and select immunological tests are used to augment the preliminary ones. Three lectures and one three-hour laboratory per week. Prerequisite: Bi 230. Lab fee: $35.00.

**Bi 260 Marine Biology** 4 Crs.
An introduction to biological oceanography. The interrelations of organisms of the sea and their physical and chemical environment. Emphasis is placed on the ecology and taxonomy of Connecticut estuarine fauna in the laboratory and on field trips. Three lectures and three hours of laboratory/field work per week. Prerequisites: Bi 111, Bi 112,
Bi 270 Principles of Animal Parasitology 4 Crs.
A comprehensive study of the biology of common animal parasites: their classification, morphology of adult and larval stages, patterns of life cycles, ecological requirements of all stages in the physical and biological environments, and the means of transmissions of all stages. Emphasis on the parasites of humans. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Lab fee: $35.00.

Bi 311 Cell Physiology 4 Crs.
The physiological principles governing the functions of cells with molecular biology as the basis. Topics include enzyme chemistry, sources and distribution of energy, cellular metabolic pathways, protein synthesis, and membrane transport. Laboratory includes biochemical analysis, enzyme kinetics, and biochemical pathway studies. Three lectures and three hours of laboratory per week. Prerequisites: Bi 111, Bi 112, Ch 111, and Ch 112. Lab fee: $35.00.

Bi 312 Systems Physiology 4 Crs.
The physiology of vertebrate systems with emphasis on the human. Topics include cardio-vascular, respiratory, neural, muscular, digestive, endocrine, reproductive, and excretory physiology. Laboratory work includes studies of muscle-protein, quantitative neural impulse conduction, quantitative cardio-vascular parameters, and a number of other systems. Three lectures and three hours of laboratory per week. Prerequisites: Bi 111, Bi 112, Ch 111, and Ch 112, or permission of the department. Lab fee: $35.00.

Bi 320 Advanced Genetics Seminar 3 Crs.
An examination of classic and potentially classic genetic papers from Mendel to the present. Three hours weekly, no laboratory. Prerequisite: Bi 220.

Bi 325 Immunology 4 Crs.
A study of the immune response including characteristics of antigens, antibodies, and antigen-antibody interactions. Laboratory work includes: agglutination, precipitation, complement fixation reactions, animal inoculations, and other immunological techniques. Three lectures and three hours of laboratory per week. Prerequisite: Bi 230. Lab fee: $35.00.

Bi 330 Virology 4 Crs.
Introductory course including various plant, animal, and bacterial viruses. Includes general viral characteristics, replication, genetic diseases, and other selected material. Laboratory work includes tissue culture, animal inoculations, viral serology, and titration techniques. Three hours of lecture and three hours of laboratory per week. Prerequisite: Bi 230. Lab fee: $35.00.

Bi 340 Comparative Vertebrate Anatomy 5 Crs.
The comparative anatomy of vertebrates in relation to their life style and evolutionary status. System study includes integument, skeleton, muscle, circulation, respiration, digestion, urogenital tract, brain, and peripheral nerves of selected vertebrate types. Three lectures, three hours of laboratory per week, and three extra hours of independent laboratory work. Prerequisite: Bi 212. Lab fee: $35.00.

Bi 350 Bioecology 4 Crs.
The fundamental concepts of plant and animal ecology as revealed by field and laboratory studies of communities, succession, energy systems, physical-chemical factors of the environment, and population dynamics. Three lectures and one afternoon of laboratory/field work per week. Prerequisites: Bi 111, Bi 112, Ch 011, and Ch 012. Lab fee: $35.00.

Bi 370 Natural Resource Management 4 Crs.
An inquiry into methods of resource manage-
ment for soils, water, atmosphere, minerals, grassland, forest, wildlife, and recreation. Misuse of resources is considered in the light of correct management procedures. Three lectures and three hours of laboratory/field work per week. Prerequisite: Bi 350. Lab fee: $35.00.

Bi 375 Analytical Techniques in Environmental Biology 4 Crs.
A course designed to instruct the individuals in the chemical and biological analyses of varied environments. Topics include sampling procedures, chemical analyses, biological analyses, and the treatment of data. Two lectures and three hours of laboratory per week. Prerequisites: Bi 350, Ch 011, and Ch 012. Lab fee: $35.00.

Bi 380 Evolution 4 Crs.
An introduction to the analyses and syntheses of the evolutionary pattern of life in plants and animals. Laboratory sessions provide an insight into the methodology of evolutionary studies. Three lectures and three hours of laboratory per week. Prerequisites: Bi 220 and Bi 350. Lab fee: $35.00.

Bi 385 Biochemical Techniques in Biology 4 Crs.
A study dealing with the use of biochemical procedures in solving biological problems. Topics include biochemical analysis of cellular constituents, enzyme purification, special enzyme analysis, and the quantitative aspects of intermediary metabolism. Two lectures and four hours of laboratory per week. Prerequisites: Bi 311 and Ch 216. Lab fee: $35.00.

Bi 390 Supervised Research 3-6 Crs.
Individual research projects in the basic areas of biology under the supervision of faculty. Prerequisites: 3.5 average and permission of the department. Lab fee: $35.00.

Chemistry Courses

Ch 003 Forensic Chemistry †† 4 Crs.
This course deals with the principles of chemistry related to physical evidences such as blood, paint, glass, hair, fibers, drugs, and soil in criminal cases. Lecture and laboratory will deal with the preservation and analysis of evidence and presentation of evidence in a court of Law. Three hours of lecture and three hours of laboratory/discussion per week. Prerequisite: Criminal Justice Major. Lab fee: $25.00.

Ch 004 Chemistry for the Artist †† 4 Crs.
For students majoring or minoring in art. The subject matter will include the basic principles of chemistry, chemistry of the materials used by the artist, history of the chemistry of dyes and pigments, detection of art forgeries, art restoration, chemistry of color, art hazards, and safety precautions. Two 75-minute lectures and one two-hour discussion/laboratory per week. Lab fee: $25.00.

Ch 005 Fundamentals of Chemistry †† 4 Crs.
The basic principles of chemistry are discussed. The topics examined are: physical properties of matter, the laws of chemical change, the kinetic molecular theory, molecular formulas and the atomic weight scale, atomic structure, principles of chemical bonding, chemical equilibrium, solution chemistry, and nuclear reactions. Two 75-minute lectures and one two-hour laboratory/discussion per week. Lab fee: $25.00.

Ch 006 Consumer Chemistry †† 4 Crs.
The chemical interpretations of substances encountered in our daily living are explored. Emphasis is on how the chemistry works rather than its impact on the environment. Topics include: energy production, food and food additives, farm chemistry, chemotherapy and drugs, and household and automotive products. One three-hour lecture and one two-hour laboratory per week. Lab fee: $25.00.
Ch 007 Principles of Chemistry  4 Crs.
The fundamentals of chemistry and its relation to the health sciences are examined. Topics include: the unit of measure, structure and properties of matter, chemical bonding, solution chemistry, elementary organic, and biochemistry. Two 75-minute lectures per week and one three-hour laboratory or one two-hour discussion on alternate weeks. Lab fee: $30.00.

Ch 008 Introduction to Environmental Chemistry  3 Crs.
Basic chemical principles associated with our environment are discussed. Topics concern the chemistry of energy production, air and water pollution, agriculture, plastics, and household products. Emphasis is on contemporary problems and the outlook for their solution. One three-hour lecture per week.

Ch 009 Principles of Organic and Biochemistry  4 Crs.
An introduction to the basic concepts of organic chemistry followed by an in-depth study of biochemistry. Two 75-minute lectures per week and one three-hour laboratory or one two-hour discussion on alternate weeks. Lab fee: $30.00.

Ch 010 Historical Aspects of Chemistry  3 Crs.
The course will trace the development of chemistry from alchemy to its modern form from a historical and scientific standpoint. Prerequisite: Ch 005 or equivalent.

Ch 011 General Chemistry I  3 Crs.
A systematic study of the fundamental laws and theories of Chemistry: modern theories of atomic and molecular structure, chemical bonding, periodic relations, chemical reactions, stoichiometry, states of matter, solutions, acid-base theories, and equilibria. Three hours of lecture and one hour of discussion per week. Prerequisite: Ch 005 or equivalent or permission of the Chairperson. Corequisite: Ch 013.

Ch 012 General Chemistry II  3 Crs.
This course explores: chemical thermodynamics, chemical kinetics, chemical equilibria, ionic equilibria, electrochemistry, chemistry of the representative elements, transition elements, nuclear reactions. Three hours of lecture and one hour of discussion per week. Prerequisites: Ch 011 and Ch 013. Corequisite: Ch 014.

Ch 013 General Chemistry Laboratory I  1 Cr.
Laboratory experiments are illustrative of the basic concepts presented in Ch 011, General Chemistry I. Experiments include qualitative analysis of cations and anions. One four-hour laboratory period per week. Corequisite: Ch 011. Lab fee: $35.00.

Ch 014 General Chemistry Laboratory II  1 Cr.
Laboratory experiments are illustrative of the basic concepts presented in Ch 012, General Chemistry II. Experiments include volumetric and gravimetric methods of analysis. One four-hour period per week. Corequisite: Ch 012. Lab fee: $35.00.

Ch 111 Organic Chemistry I  3 Crs.
An intensive treatment of the subject within the framework of the headings: alkanes, alkenes, alkynes, dienes, alicyclic hydrocarbons, stereochemistry, optical activity, aromaticity, electrophilic aromatic substitution reactions, arenes, alkyl halides, nucleophilic aliphatic substitution reactions, elimination reactions, and spectroscopy especially IR, NMR, MS, and UV spectroscopy in relation to structure determination. Two 75-minute lectures and one hour discussion per week. Prerequisites: Ch 012 and Ch 014. Corequisite: Ch 113.

Ch 112 Organic Chemistry II  3 Crs.
A continuation of Ch 111. The topics include: alcohols, ethers, epoxides, carboxylic acid and its functional derivatives, aldehydes, ketones, amines, phenols, carbanion reactions, alpha-beta unsaturated compounds,
carbohydrates, lipids, and proteins. Emphasis is given to organic reaction mechanisms, organic synthesis, and structure determination using spectroscopic techniques. Two 75-minute lectures and one hour discussion per week. Prerequisite: Ch 111. Corequisite: Ch 114.

Ch 113 Organic Chemistry Laboratory I

The students will learn basic laboratory techniques in organic chemistry. Basic techniques such as extraction, distillation, recrystallization, thin layer chromatography, gas chromatography, etc. will be used. Organic synthesis will be a major part of the laboratory work. One four-hour laboratory per week. Corequisite: Ch 111. Lab fee: $35.00.

Ch 114 Organic Chemistry Laboratory II

This is a continuation of Ch 113. Organic synthesis is the major portion of this course. Multistep organic syntheses using a wide variety of organic reagents will be carried out. Some important functional group analyses is also included. One four-hour laboratory per week. Prerequisite: Ch 113. Corequisite: Ch 112. Lab fee $35.00.

Ch 200 Safety in the Chemistry Laboratory

This course will deal with proper chemical storage, chemical transportation, waste disposal, proper laboratory handling of glassware and equipment, carcinogens, proper labeling, toxicological effects of certain chemicals, and OSHA regulations. Three hours of lecture per week for five weeks. Prerequisite: Minimum three, preferably four courses (12 to 16 credit hours) in chemistry or permission of the Chairperson.

Ch 210 Organic Qualitative Analysis

Emphasis is given to the basic techniques in identifying organic compounds. The classic methods of functional group analysis and preparation of derivatives will be blended with the use of NMR, IR, and other pertinent spectroscopic methods. One hour lecture and one four-hour laboratory. Prerequisite: Ch 114. Lab fee: $35.00.

Ch 211 Analytical Chemistry

This course gives the student a working knowledge of the analytical methods and stresses the chemical principles fundamental to quantitative analysis and the theories of classical gravimetric and volumetric methods. Topics include the reliability of analytical data, solubility of precipitates, gravimetric analyses, volumetric methods, precipitation, neutralization, complex formation, non-aqueous, and oxidation-reduction equilibria and titration systems. Two 75-minute lectures per week. Prerequisite: Ch 111. Corequisite: Ch 213.

Ch 213 Analytical Chemistry Laboratory

The student will receive laboratory experience in a wide variety of volumetric and gravimetric methods. Experiments are designed to correlate with lecture material in Ch 211 and develop proper analytical procedure and techniques in addition to an understanding of the chemistry involved. Two three-hour laboratories per week. Corequisite: Ch 211. Lab fee: $35.00.

Ch 215 Chemical Applications of Mathematics

The course addresses itself to those areas of mathematics that are used extensively in physical chemistry. Topics covered include mathematical methods in the chemistry laboratory, differential and integral calculus, differential equations, orthogonal curvilinear coordinates, infinite series, matrices and determinants, operators. One 100-minute lecture per week. Prerequisite: Mt 016. Corequisite: Ch 236 or Ch 237.

Ch 216 Biochemistry

Chemical and physical properties of carbo-
hydrates, lipids, membranes, amino acids, proteins, enzymes, and nucleic acids. The major metabolic pathways and enzymology will be covered in depth. Two 75-minute lectures per week. Prerequisite: Ch 112. Corequisite: Ch 218.

Ch 217 Clinical Biochemistry 3 Crs.
A one-semester course covering the basic chemistry and analytical methods for carbohydrates, lipids, proteins, enzymes, electrolytes, and hormones. The roles of these substances in physiological processes are also discussed. Two 75-minute lectures per week. Prerequisite: Ch 216. Corequisite: Ch 219.

Ch 218 Biochemistry Laboratory 2 Crs.
Experiments investigating the chemical and physical properties of biologically important compounds. Methods used include chromatography, electrophoresis, enzyme assays, and various techniques for isolation and identification of biochemicals and enzymes. Six hours of laboratory per week. Corequisite: Ch 216. Lab fee $35.00.

Ch 219 Clinical Biochemistry Laboratory 2 Crs.
Methods for the determination of carbohydrates, lipids, enzymes, proteins, electrolytes, hormones, and other substances in body tissues. Techniques used may include chromatography, electrophoresis, spectrophotometry, fluorometry, and electroanalytical methods. Six hours of laboratory per week. Corequisite: Ch 217. Lab fee: $35.00.

Ch 220 Seminar in Chemical Literature 1 Cr.
The purpose of this course is to learn the nature of chemical literature and how to use it and to learn how to prepare and present a chemistry seminar. Students are required to conduct a specific number of literature searches and seminars as partial fulfillment of the requirements of this course. Prerequisite: Permission of the Chairperson.

Ch 230 An Introduction to Biochemistry 3 Crs.
This course introduces the basic concepts in biochemistry. The chemistry of nucleic acids, proteins, lipids, carbohydrates, vitamins, and minerals will be discussed. The role these chemicals play in metabolic pathways eventually producing elaborate structures of living organisms will be introduced. Emphasis will be directed toward preparing individuals for understanding various applications of biochemistry in industry. Prerequisite: Organic Chemistry.

Ch 236 Elements of Physical Chemistry 3 Crs.
For students who are considering a career in medicine or allied health fields and do not need a full year chemistry course. Topics include thermodynamics, chemical equilibrium, solutions of electrolytes, electrochemistry, and chemical kinetics. Emphasis is to the physico-chemical properties of living systems. Two 75-minute lectures per week. Prerequisites: Ch 112 and Mt 016.

Ch 237 Physical Chemistry I 3 Crs.
Topics include: thermodynamics, statistical thermodynamics, kinetic theory of gases, changes of state, solutions, and chemical affinity. Two 75-minute lectures per week. Prerequisites: Ch 012, Mt 016, Py 112, or Py 122. Corequisite: Ch 239.

Ch 238 Physical Chemistry II 3 Crs.
A continuation of Ch 237. Topics include: chemical reaction rates, electrochemistry, and quantum mechanics. Two 75-minute lectures per week. Prerequisite: Ch 237. Corequisite: Ch 240. Co- or Prerequisite: Mt 104.

Ch 239 Physical Chemistry Laboratory I 2 Crs.
This course introduces the student to the
kinds of techniques physical chemists use to apply the fundamental concepts of physical chemistry to real chemical systems. Two three-hour laboratory sessions per week. Corequisite: Ch 237. Lab fee: $35.00.

Ch 240 Physical Chemistry Laboratory II 2 Crs.
A continuation of Ch 239. The student is introduced to the more advanced techniques of physical chemistry. The aim is to apply the theoretical concepts learned in Ch 238 to real chemical systems. Two three-hour laboratories per week. Prerequisite: Ch 239. Corequisite: Ch 238. Lab fee: $35.00.

Ch 248 Introduction to Polymer Chemistry 3 Crs.
This descriptive course considers polymer chemistry as a branch of organic chemistry. It is designed to acquaint students broadly with the preparation, structure, properties, and utility of polymers and plastics. Topics include: condensation and addition polymerization, copolymerization, characterization of polymers, post-polymerization reactions, and natural polymers. One three-hour lecture per week. Prerequisite: Ch 112.

Ch 301 Industrial Aspects of Chemistry 3 Crs.
This course will deal with the analysis of chemical and allied industries and their input to the economy of the country. Utilization of industrially important chemicals along with sources and interdependence will be covered in detail. Visitation of industrial plants is part of the course. One three-hour lecture per week. Prerequisites: Ch 112 and Ch 114.

Ch 305 Computer Applications in Chemistry 5 Crs.
The main part of the course will deal with writing programs useful in the analytical chemistry laboratory including treatment of analytical data. Lecture portion also deals with interfacing computers with instruments. Two hours of lecture and a minimum of five hours of laboratory per week. Prerequisites: Cs 101, Ch 211, and Ch 213. Lab fee: $35.00.

Ch 312 Instrumental Analysis 3 Crs.
This course presents the theory and practice of instrumental methods to quantitative analysis. Areas covered include spectrophotometric, electroanalytical, and chromatographic methods of separation and quantification. Practical applications and state-of-the-art techniques are discussed. Two 75-minute lectures per week. Prerequisites: Ch 112 and at least one semester of physical chemistry or permission of the instructor. Corequisite: Ch 314.

Ch 314 Instrumental Analysis Laboratory 2 Crs.
The student will receive hands-on experience with modern analytical instruments. Laboratory experiments are performed in visible, ultraviolet, infrared, and atomic absorption spectrophotometry, potentiometric, and ion-selective electrode methods, electrodeposition, and gas chromatography. Two three-hour laboratories per week. Corequisite: Ch 312. Lab fee: $35.00.

Ch 338 Advanced Inorganic Chemistry 4 Crs.
The physical and chemical properties of the elements and their compounds will be correlated with their positions in the periodic table. Bonding theory and coordination chemistry will be emphasized. Considerable library work is required. Three hours of lecture per week. Prerequisite: Ch 012.

Ch 339 Undergraduate Research 2 or 3 Crs.
Special research project may be carried out under supervision of the faculty either in the junior or senior year. The course may be repeated. Prerequisite: 3.0 average and permission of the Department Chairperson,
Dean of the Division, and Academic Vice President.

Ch 350 Special Topics in Chemistry 3 Crs.
The course deals with current topics in any of the following: analytical chemistry, biochemistry, organic chemistry, or physical chemistry. Three hours of lecture per week. Prerequisites: Ch 312, Ch 217, Ch 112, or Ch 238 respectively and permission of the instructor.

Computer Science Courses

Cs 009 Introduction to Data Processing 4 Crs.
This course is designed to provide data processing oriented students or business people with a basic understanding of the fundamentals of data processing and the functioning of the computer. It will give them the knowledge and understanding necessary to communicate effectively and intelligently in the computer-driven business environment of today. Two hours of lab per week required.

Cs 010 Computers for the Non-Scientist 4 Crs.
This introductory course provides management and staff personnel with a full understanding of the concepts of data processing plus the planning effort and management direction required for successful system development, acquisition, and operation.

Cs 011 A First Course in Computer Science ++ 5 Crs.
An introduction to mathematical and computer modeling in the social and physical sciences. All required mathematics and computer programming in the conversational language PASCAL are developed from first principles. Four hours a week of lab required.

Cs 012 Introduction to Applied Computation 5 Crs.
An introduction to problem-solving concepts and algorithm design, computers, FORTRAN programming, and applications to a variety of disciplines. Four hours a week of lab required. Prerequisites: Cs 009, Cs 011, or permission of the department.

Cs 013 Introduction to Programming Microcomputers ++ 5 Crs.
An up-to-date perspective on using microcomputers and writing programs for them. All required computer programming skills in the conversational language BASIC are developed from first principles on a microcomputer system. Four hours a week of lab required.

Cs 014 JCL and Timesharing Environments 4 Crs.
System 370 Job Control Language and its directives to the job entry and operating systems. An overview of timesharing environments. CMS, TSO, text editors, interactive processing, and batch simulation. Prerequisite: Cs 009 or Cs 011.

Cs 015 COBOL Programming 5 Crs.
An introduction to the COBOL language and its application to solving business oriented data processing problems. Four hours a week of lab required. Prerequisites: Cs 009, Cs 011, Cs 012, or permission of the department.

Cs 101 Fundamentals of Computer Science 5 Crs.
Design of algorithms. Data representation and computer instructions. Machine language. Data structures including trees, lists, and binary search trees. APL programming and applications. Prerequisites: CS 011, Mt 008, or Mt 010.

Cs 102 Introduction to Systems Programming 5 Crs.
Techniques for sophisticated programming. Assembly language programming and systems programming languages. Modular con-
Course Descriptions

struction of big programs. Data structures and storage allocation systems. Five hours a week of lab required. Prerequisite: Cs 101.

Cs 103 Survey of Microcomputer Software †† 4 Crs.
An applications-oriented introduction to the use of Wordstar, dBase II, and Lotus 1-2-3 on the IBM Personal Computer. Data organization and management, software integration graphics, macros, and a data base procedural language.

Cs 105 Advanced COBOL Programming 5 Crs.
A continuation of Cs 015. Advanced COBOL programming. Segmentation, overlay processing. Efficiency and tradeoffs in coding and program design. Four hours a week of lab required. Prerequisite: Cs 015.

Cs 107 Systems Design 4 Crs.
An introduction to the practical application of computers to the solving of business-related problems. Analysis, design, and evaluation techniques are stressed. Prerequisite: Cs 011.

Cs 109 Project Management and Control 3 Crs.
Provides the basis for managing resources to accomplish specific objectives. Emphasis is placed on scheduling and estimating methods, CPM/PERT techniques, and interpersonal communication skills. Prerequisite: Cs 015.

Cs 110 Data Processing — Feasibility and Economics 3 Crs.
The study of justification leading to the installation of a computer system as a complex problem with many variables. The focus is on the feasibility study which prepares the analysis of the problems leading to a computer system, the economics of selecting the right computer system, and the maintenance costs of the system. Prerequisite: Cs 109.

Cs 113 Microprocessors 4 Crs.
The basis of microprocessors is examined in terms of the design, troubleshooting, and interfacing in a balanced hardware/software environment. Emphasis on the 8088 instruction set, interrupt vectors, BIOS, and the interface with DOS.

Cs 121 Discrete Mathematics and the Analysis of Algorithms I 3 Crs.
The mathematical theory and techniques underlying the analysis of algorithms and applied problem solving. Prerequisites: Mt 103 and Cs 012.

Cs 122 Discrete Mathematics and the Analysis of Algorithms II 3 Crs.
A continuation of the study of algorithms involving applications with data structures. Includes stacks, queues, lists, sorting routines, hashing techniques, and tree traversals. Prerequisite: Cs 121.

Cs 201 Programming Languages and Compilers 3 Crs.
Compiler organization and implementation, lexical analysis, formal syntax specification, parsing techniques, execution environment, storage management, code generation and organization, procedure linkage, and address binding. Prerequisites: Cs 102 and Cs 122.

Cs 202 Operating Systems 3 Crs.
The design, implementation, and testing of software systems and operation systems. Prerequisites: Cs 102 and Cs 122.

Cs 203 Data Base Design 4 Crs.
File structures including sequential, indexed, and direct files. Data Base organizations, hierarchical, relational, and ring structures. Two hours a week of lab required. Prerequisite: Cs 015.

Cs 207 Systems Analysis 4 Crs.
This course will introduce the student to the basic systems theory and provide a working
knowledge of information systems design and analysis. The student will participate in the analysis of specific business problems and design systems to support the business need. Prerequisite: Cs 017.

Cs 211 Advanced Programming 3 Crs.
Advanced programming techniques with special emphasis on applications to the business world and to the social and physical sciences. Prerequisite: Cs 102.

Cs 212 Numerical Computation 3 Crs.
Algorithms for numerical problems in the biological, physical, and social sciences; linear and non-linear algebraic problems; optimization problems; and ordinary differential equations. Prerequisites: Mt 016 and Cs 211.

Cs 217 Real Time Computer Systems 3 Crs.
This course covers the applications, economics, and the design of real time computer systems for commercial use. Topics include the equipment, the configurations, the techniques, and design calculations necessary to install a real time system. It addresses the technical problems associated with such systems and the schedules and procedures needed for implementation. Prerequisite: Cs 203.

Cs 245 Digital Design 3 Crs.
Concepts of digital systems and switching theory. Boolean algebra, combinational circuits, logical design, state diagrams, state reduction, sequential machines, and machine synthesis.

Cs 246 Computer Architecture 3 Crs.
Computer organization, arithmetic and logical operations, registers, input/output devices, adders, accumulators, multipliers, dividers, system principles.

Cs 301 Introduction to the Theory of Automata 3 Crs.
Theoretical models of computing devices, the finite state model, Turing machines, invariance of several formulations, unsolvability, rewriting of systems. Prerequisite: Cs 122.

Cs 303 Advanced Data Base 4 Crs.
Design considerations in a multi-application data base supporting integrated business systems. Two hours a week of lab required. Prerequisite: Cs 203.

Cs 322 Special Projects 3-6 Crs.
A special project not otherwise available. The student must submit a written report and make an oral presentation of the results of the project. The course may be taken more than once. Prerequisite: Permission of the department.

Mathematics Courses

Mt 099 Basic Mathematics 3 Crs.
Foundations of arithmetic, assumptions, fundamental definitions. Cardinal and ordinal numbers. Algebraic expressions. Fundamental operations on polynomials. Rational fractions. Exponents and radicals. Algebraic equations. (For students who fail the department entrance examination.)

Mt 001 Modern College Mathematics I † 3 Crs.
Set theory, the logical method, systems of numeration, functions, the real numbers, algebraic processes, equations and inequalities, complex numbers, and graphs of relations.

Mt 002 Modern College Mathematics II ‡‡ 3 Crs.
Matrices, determinants, systems of equations, combinational theory, probability, and introductory statistics.

Mt 005 Probability and Statistics 3 Crs.
An introduction to the theory of probability and elementary statistics. Important discrete
distributions; sampling theory of large and small samples. Estimating population mean and proportion, and test hypothesis.

**Mt 008 Mathematics for Decision Making** † 3 Crs.
Inequalities, functions, matrices, systems of equations, probability, and linear programming.

**Mt/Or 010 Precalculus** † 4 Crs.
For the prospective Mathematics, Operations Research or Computer Science major without the proper background to take Mt 015. Set theory and symbolic logic. Definition of function and algebra of functions. Polynomial and rational functions and analytical trigonometry.

**Mt 014 Calculus for Decision Making** ‡ 3 Crs.
Limits, differentiation, integration, and applications of the calculus.

**Mt 015 Introductory Calculus** ‡‡ 4 Crs.
First credit hour for Mathematics majors. Differential and integral calculus of the elementary functions with associated analytic geometry. Limit and approximation. Technique and applications of differentiation. Area and integral. Applications. Prerequisite: Mt 010 or passing department test.

**Mt 016 Mathematical Analysis I** 4 Crs.
A continuation of Mt 015. Limits of functions, implicit and inverse functions, methods of integrations, and limits of sequences. Applications of integration, improper integrals, power series, parametric representation, and polar coordinates. Prerequisite: Mt 015.

**Mt 023 Statistics for Decision Making** ‡‡ 3 Crs.
This course will emphasize the use of computer software for the analysis of data and the performance of statistical tests.

**Mt 103 Linear Algebra** 4 Crs.
Sets and mappings, fields and other algebraic structures, vector spaces and subspaces, inner product spaces, systems of linear equations, matrix theory, determinants, linear inequalities, and convex sets. Linear mappings, matrices, quadratic forms, and Eigen values. Prerequisites: Mt 015 and permission of the department.

**Mt 104 Mathematical Analysis II** 4 Crs.
A continuation of Mt 016, introduces 3-dimensional analytic geometry, multivariable calculus, real valued functions of several variables, limits and continuity in \( \mathbb{E}^n \), partial derivatives, multiple integration, definition of the integral, its existence and interpretations, linear differential equations with constant coefficients, systems of differential equations, the Laplace Transform, and special problems. Prerequisite: Mt 016.

**Mt 106-107 Mathematical Probability and Statistics I, II** 6 Crs.
Probability as a mathematical system, random variables and their distributions, sequences of random variables, Markov chains, stochastic processes. Statistical inference, estimation, regression, and analysis of variance. Prerequisite: Mt 016.

**Mt 201 Advanced Multivariable Calculus** 3 Crs.
Mappings from \( \mathbb{E}^n \) to \( \mathbb{E}^m \). Continuity. Jacobian's chain rule for differentiation. Integrals along curves. Line and surface integrals: also in terms of vectors. Vector calculus. Theorems of Gauss, Green, and Stokes. The space of continuous functions. Prerequisites: Mt 103 and Mt 104.

**Mt 221 Abstract Algebra** 3 Crs.
Continuation of Mt 103. Algebraic systems. Group theory, subgroups, cyclic groups, and basic theorems. Quotient structure, isomorphism theorems, ring theory, and ideals. In-
tedral domains. Prime fields and characteristics. Prerequisites: Mt 103 and Mt 104.

**Mt 222 Geometry** 3 Crs.
Especially for secondary teachers. A thorough and exact treatment of Euclidean geometry. Incidence and separation properties of planes and space. The theory of groups applied to transformations in the plane and in space, particularly isometries and similarities. Inversion in a circle and in a sphere. Prerequisite: Mt 103.

**Mt 231 Numerical Analysis** 3 Crs.

**Mt 232 Applied Mathematics** 3 Crs.
A course to illustrate the principles and basic styles of thought in solving physical problems by mathematical methods. Prerequisite: Mt 201.

**Mt 313 Real Analysis** 3 Crs.
The real numbers, cardinality, metric spaces, subspaces, convergence, Euclidean spaces, and topology. Continuity, differentiability, spaces of continuous functions. Lebesgue measure and integration. Fourier series. Prerequisite: Mt 201.

**Mt 314 Complex Analysis** 3 Crs.
The algebra and geometry of complex numbers, metric spaces, analytic functions, integration, and Taylor and Laurent series. Contour integration, analytic continuation, conformed mappings, boundary value problems, and integral transforms. Prerequisite: Mt 201.

**Mt 315 General Topology** 3 Crs.
Introduction to general topology. Topological spaces, mappings of topological spaces. Compactness, product spaces, Nets and convergence. Prerequisite: Mt 313.

**Mt 401 Mathematical Programming I** 3 Crs.
This course will survey linear programming (emphasizing standard model, formulation, fundamental theorems, variations of the simplex method, and parametric programming) and integer programming.

**Mt 411 Probabilistic Models in Operations Research** 3 Crs.
This course deals with decision making under uncertainty and develops the Operations Research tools that are most useful when the stochastic nature of a problem is important. The subject covers decision analysis, queuing theory, inventory theory, Markovian decision processes, and reliability theory, emphasizing applications of these topics in the analysis of real world problems. Prerequisite: Mt 401.

**Medical Technology Courses**
The following courses are taken at the hospital:

**Me 301 Clinical Microbiology** 8 Crs.
Includes the isolation and identification of clinically significant pathogenic bacteria from all types of clinical specimens. Also covered: parasitology, virology, and mycology. Correlations of laboratory findings to disease states emphasized.

**Me 302 Blood Banking** 3 Crs.
Introduction to human blood groups, compatibility testing, component therapy, and their relation to transfusion. Emphasis on problem solving.

**Me 310 Hematology** 5 Crs.
Comprehensive study of the principles, procedures, special techniques, and disease states of the cellular components of the
blood. Includes hemostasis.

**Me 315 Clinical Microbiology** 1 Cr.
Principles of the diagnostic procedures for urine, spinal fluids, feces, gastric contents, and other body fluids.

**Me 325 Clinical Chemistry** 8 Crs.
Manual and automated biochemical analysis of body fluids in health and disease and the clinical application of test results.

**Me 330 Immunology and Serology** 3 Crs.
A study of the immune response in health and disease and the use of current techniques for the determination of antigen-antibody reactions.

**Me 340 Special Topics in Medical Technology** 2 Crs.
Investigation of a special medical technology and/or related topic.

**Nursing Courses**

**Nu 200 Foundations of Professional Nursing** 3 Crs.
This course explores the changing role of the nurse in today's health care system. Selected conceptual models for nursing practice, role expectation of the baccalaureate-prepared practitioner, the conceptual framework of this program, and the research process will be discussed. One two-and-a-half hour lecture per week.

**Nu 251 Nursing Practice in Individual Health** 4 Crs.
Utilizing the Dimensional-Interaction Model, this course will focus on the process of comprehensive health assessment of individuals, integrating techniques of interviewing, history taking, and physical assessment. Adequate data collection and careful analysis for diagnostic and planning purposes will be stressed. Theories of role behavior, intervention strategies, and evaluation will be explored. Prerequisites: Nu 200 and all Departmental examinations. Fee: $30.00.

**Nu 253 Health Pattern Dysfunctions and the Nursing Process** 3 Crs.
This course is concerned with the interrelationships between the environment and individuals' biological health; the identification of intrinsic and extrinsic factors that alter and disrupt biological health, their impact, and the health problems that ensue. Mechanisms of pathophysiology will be analyzed to enhance students' assessment activity, diagnostic accuracy, and treatment evaluations. Prerequisites: Nu 200 and all Departmental examinations.

**Nu 270 Politics of Health Care (elective)** 3 Crs.
This course is intended to increase the student's ability to use political action to affect change within health care delivery systems. A study of politics, policy making, and lobbying will enable students to analyze national, state, and community health care systems. Prerequisite: Nu 200.

**Nu 275 Working with Groups (elective)** 3 Crs.
This course is designed to introduce students to the theories and practices used in group counseling. These basic principles and techniques are experienced, analyzed, and evaluated.

**Nu 300 Nursing Practice in Family Health** 7 Crs.
This course focuses on the family as a consumer of health care, exploring models of family structure, family patterns of interaction, individual and family life styles, maturational and situational hazards concomitant with family development, methods of family problem solving, and nursing strategies relevant to family interventions. Prerequisites: Nu 251 and Nu 253.

**Nu 351 Nursing Practice in Community Health** 7 Crs.
This course focuses on the community as a consumer of health services. The functions and programs of Public Health will serve as an introduction to the past and present role of the nurse. A conceptual approach to the physical and mental health of the aggregates and communities form the basis for applying the nursing process in experiential learning settings. Prerequisite: Nu 300.

Nu 371 Women's Health (elective) 3 Crs.
This course will discuss the broad range of health situations and concerns that most women face during their lifetime. Identification will be made of intrinsic and extrinsic factors which effect level of health. Resources which can maximize health potential will be examined and the students will be able to verbalize their personal philosophy of health.

Nu 390 Nursing Research 3 Crs.
This course will prepare students to incorporate research, its purposes, method, and outcomes into the practice of professional nursing. Students will gain an understanding of the fundamentals of the research process including: ethical and legal considerations, critical review of the literature, study design, and how these relate to areas of research needed in nursing. Prerequisites: Nu 251 and Mt 023.

Operations Research Courses

Or 012 Introduction to Management Science 3 Crs.
Introduction to mathematical models as aids in managerial decision making. Emphasis on deterministic linear models, particularly linear programming problems. Examples of planning problems in the public and private sectors.

Or 121 Mathematical Models in Management Science 3 Crs.
Stresses insights for decision making that stem from scientific analysis. Develops skills in formulating and building models that are aids to executive decisions. Includes linear, dynamic, and combinatorial models. Covers optimization techniques of simplex algorithms, shortest route method, recursive programming, horizon analysis, branch-and-bound, and sensitivity analysis.

Or 132 Mathematical Programming I 3 Crs.
Linear programming theory, the simplex algorithm and duality theory. Optimal network flows including the max-flow and min-cut theorem, algorithms for the transportation problem. Computational aspects of the simplex algorithm including the revised simplex algorithm. Introduction to integer programming including cutting plane algorithms, branch and bound algorithms, and implicit enumeration algorithms.

Physics Courses

Py 005 Physics in Daily Life 4 Crs.
An elementary physics course designed for non-science majors. The course will stress the application of physics to daily life. Specific topics will include astronomy, nuclear energy, earth science, satellites, medical applications, and physics in design of structures ranging from bridges to tires. Three hours of lecture and two hours of laboratory per week.

Py 100 Elements of Physics 4 Crs.
An introductory, non-calculus course, incorporating the basic laws of motion and energy, the properties of matter including the gaseous state, the principles of electricity, magnetism, electromagnetic radiation, the properties and principles of nuclear radiation. This course is designed for students in medical technology and related fields. Two 75-minute lectures and one two-hour laboratory per week. Lab fee: $30.00

Py 111 General Physics I 4 Crs.
Topics covered include vectors, forces, uni-
formly-accelerated motion, linear and angular motion, work and energy, momentum, rotation, mechanical and thermal properties of matter, the gas laws, temperature and heat transfer. Two 75-minute lectures and one two-hour laboratory per week. Prerequisite: Mt 002 or equivalent. Lab fee: $30.00.

Py 112 General Physics II 4 Crs.
This is a continuation of Py 111. Topics covered include: vibrations and wave motion, sound, electricity, and magnetism; the reflection, refraction, interface, and diffraction of light; lenses and mirrors, and optical devices. Two 75-minute lectures and one two-hour laboratory per week. Prerequisite: Py 111 or permission of the Chairperson. Lab fee: $30.00.

Py 121 Principles of Physics I 4 Crs.
A calculus-based physics course covering the topics of mechanics, work, energy, thermal properties, and atomic structure. Two 75-minute lectures and one two-hour laboratory per week. Prerequisites: Mt 015 and Mt 016 or concurrent enrollment. Lab fee: $30.00.

Py 122 Principles of Physics II 4 Crs.
A continuation of Py 121 with emphasis on wave motion, sound, electricity, magnetism, and light. Two 75-minute lectures and one two-hour laboratory per week. Lab fee: $30.00 Prerequisites: Py 121 and Mt 016.

Respiratory Therapy Courses

Rt 010 Introduction to the Field of Respiratory Therapy 3 Crs.
This course provides an introduction to the field of respiratory therapy. Students are acquainted with the health care delivery system and their prospective role within it. The disease entities that a respiratory therapist helps to treat are presented. In addition, an overview of the techniques and technology of the profession is also given via lecture and demonstration. Offered at Sacred Heart University in the fall semester only.

Rt 020 Introduction to Respiratory Therapy Technology 2 Crs.
This course is designed to reinforce and show the applications of the physical science portions of the curriculum. In addition, it provides the student with detailed knowledge concerning the equipment used to provide oxygen therapy. The construction and principles of the operation of regulators, flowmeters, humidifiers, nebulizers, and various masks are given emphasis. Offered at Sacred Heart University in the spring semester only.

Rt 030 Cardiopulmonary Anatomy and Physiology 3 Crs.
Study of the structure and function of the respiratory system and its relationship to the circulatory system. Areas of emphasis include blood flow, gas exchange, mechanics of breathing and control of ventilation, oxygenation, and transport mechanisms. Pulmonary clearance and lung histology. Offered at St. Vincent's Medical Center in the fall semester only. Prerequisite: Rt 020.

Rt 040 Respiratory Therapy Pharmacology 3 Crs.
Introduction to the basic mechanisms of drug actions with emphasis on the drugs used in cardiopulmonary and renal diseases. Included are bronchodilators, wetting agents, mucolytic agents, diuretics, emergency cardiac drugs, and drugs which have an influence on respiration. The concepts of agonist, antagonist, and pharmacokinetics. Direct and indirect adrenergic and cholinergic agents. Offered at St. Vincent’s Medical Center in the fall semester only. Prerequisite: Rt 020.

Rt 050 Arterial Blood Gases 2 Crs.
This course is designed to give an in-depth treatment of arterial blood gases. It investigates the mechanisms by which homeostasis is maintained by the cardiopulmonary and renal systems. The arterial blood gas is used to elucidate these mechanisms. In addition, blood gases are considered from the standpoint of respiratory and metabolic
diseases. Techniques for improving adverse blood gases are an integral part of the course. Theory and operation of the blood gas analyzer. Offered at St. Vincent’s Medical Center in the fall semester only. Prerequisite: Rt 020.

Rt 060 Devices Used to Provide Routine Respiratory Care 2 Crs.
This course is designed to provide the student with a thorough explanation of the devices and techniques used to provide nebulizer therapy, positive pressure breathing, postural drainage, and breathing retraining. Problems attendant in providing care to patients with chronic pulmonary disease at home are investigated. Laboratory and clinical experiences are integrated with this course. Offered at St. Vincent’s Medical Center in the fall semester only. Prerequisite: Rt 020; Co-requisite: Rt 070.

Rt 070 Clinical Practicum: Routine Respiratory Care I 1 Cr.
Introduction to routine respiratory care: the student will learn the duties of the respiratory therapist through the “hands on” approach, experiencing all aspects of patient contact, giving intermittent positive pressure breathing treatments (IPPB) and nebulizer and aerosol therapy, using a variety of pharmacologic agents. Rehabilitative techniques for patients with chronic pulmonary disease, and post-operative care. The student will learn the techniques of chest physiotherapy which include percussion, vibration, shaking, breathing exercises and breath sound interpretation. Offered at St. Vincent’s Medical Center in the fall semester only. Prerequisite: Rt 020; Co-requisite: Rt 060.

Rt 075 Clinical Practicum: Routine Respiratory Care II 3 Crs.
Introduction to routine respiratory care: the student will learn the duties of the respiratory therapist through the “hands on” approach, experiencing all aspects of patient contact, giving intermittent positive pressure breathing treatments (IPPB) and nebulizer and aerosol therapy, using a variety of pharmacologic agents. Rehabilitative techniques for patients with chronic pulmonary disease, and post-operative care. The student will learn the techniques of chest physiotherapy which include percussion, vibration, shaking, breathing exercises and breath sound interpretation. Offered at St. Vincent’s Medical Center in the fall semester only. Prerequisite: Rt 020; Co-requisite: Rt 060.

Rt 080 Cardiopulmonary Diseases 2 Crs.
Study of disease processes affecting the lungs and their impact on the circulatory system. Points of emphasis include chronic obstructive pulmonary disease (COPD), reversible airways disease (asthma), respiratory failure, myocardial infarction, infant and adult respiratory distress syndrome, and chronic renal failure. Compensatory mechanisms to alleviate the disease process. Offered at St. Vincent’s Medical Center in the spring semester only. Prerequisite: Rt 030.

Rt 090 Management of the Respiratory Care Department 1 Cr.
Hospital organization and management. Topics include: duties and relationship of the medical and technical director, agencies impacting on departmental function, hospital policies and procedures relevant to respiratory therapy, current issues in health care delivery, quality assurance techniques and responsibilities, preparation of department schedules and budgets, and ordering and maintaining supplies and equipment.

Rt 100 Life Support and Stabilization 3 Crs.
This course provides the student with detailed training concerning the technology and techniques used to provide critical care life support. Students receive instruction and “hands on” experience with artificial airways, manual resuscitation and mechanical ventilators. This course is integrated with laboratory work and clinical experience. Offered at St. Vincent’s Medical Center in the spring semester only. Prerequisite: Rt 030.
Rt 110 Clinical Practicum: Critical Care 3 Crs.
This course applies the previous coursework to the clinical setting. Students will provide supervised patient care in the Intensive Care Unit, Coronary Care Unit, Recovery Room, Emergency Room, and Newborn Intensive Care Unit. Offered at St. Vincent’s Medical Center and Bridgeport Hospital in the spring semester only. Prerequisite: Rt 030; Corequisite: Rt 100.

Rt 120 Clinical Practicum: Pulmonary Function 1 Cr.
Study and usage of the techniques and equipment found in the Pulmonary Function Laboratory, including arterial blood gas analysis and pulmonary function testing. Cardiac laboratory and bedside catheterization. Special procedures in nuclear medicine, ultrasound, and radiology relevant to assessment of the cardiopulmonary system. Advanced critical care monitoring system. Stress testing. Offered at St. Vincent’s Medical Center in the spring semester only. Prerequisite: Rt 030; Corequisite: Rt 130.

Rt 130 Cardiopulmonary Technology 2 Crs.
Theory and equipment used for basic and advanced spirometry. Diagnostic techniques involving invasive and non-invasive procedures are explained, including stress testing, radiographic, and nuclear medicine techniques. This course helps expand the student’s knowledge of pulmonary physiology and pathophysiology. Instruction is integrated with pulmonary laboratory experience. Offered at St. Vincent’s Medical Center in the spring semester only. Prerequisite: Rt 030; Corequisite: Rt 120.

Rt 140 Cardiopulmonary Rehabilitation and Home Care 2 Crs.
The study of current concepts in the rehabilitation of patients with chronic obstructive pulmonary disease and other chronic pulmonary disorders. Review of therapy and equipment designed specifically for use outside the hospital setting. Patient education, breathing retraining, exercise, and improving activities of daily living are emphasized.

† Denotes courses that can satisfy Area A of the Baccalaureate core.

†† Denotes courses that can satisfy Area B of the Baccalaureate core.
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The Campus

1. Academic Center
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   Registrar's Office
   Campus Ministry
   Student Government
   Cafeteria
   Student Services Office
   Nurse
   Pub

2. Campus Center
   Admissions Office
   Financial Aid Office

3. Administration Building
   Student Accounts

4. Library
5. Jefferson House
6. Park Avenue House
7. Bookstore
8. Athletic Fields
9. Parking
Directions
From Connecticut Turnpike (I-95)
Exit 27 (Traveling West)
Continue straight ahead off exit ramp (North Frontage Road)
North Frontage Road to Park Avenue
Right on Park Avenue, 5 miles to Sacred Heart University

Exit 27 (Traveling East)
2nd Left (Lafayette Boulevard)
1st Left under turnpike bridge onto North Frontage Road
North Frontage Road to Park Avenue
Right on Park Avenue, 5 miles to Sacred Heart University

Merritt Parkway
Exit 47 (East or West)
Left turn onto Park Avenue
1 Block to Sacred Heart University