

**SACRED HEART UNIVERSITY
UNDERGRADUATE CATALOG**

1989-1991



FAIRFIELD, CONNECTICUT

ACADEMIC CALENDAR 1991-1993

FALL SEMESTER

Registration
 Labor Day (University Closed)
 Classes Begin
 Columbus Day (University Closed)
 Last Day to Withdraw
 Make-up Date for Missed Classes
 Last Day to Remove Incompletes
 for Spring and Summer Sessions
 Mid-Semester Exam Period
 Mid-Semester Grades Due
 Thanksgiving Holiday (No Classes)
 (University Closed)

 Make-up Date for Missed Classes
 Last Day of Classes
 Reading Day
 Final Exam Period—Day Students
 Continuing Education Students
 Christmas Holiday (University Closed)
 New Year's Holiday (University Closed)

1991-92

M-F Aug 26-30
 M Sept 2
 W Sept 4
 M Oct 14
 Tu Oct 8
 F Evening Oct 11
 Tu Oct 15

 W-Tu Oct 16-22
 W Oct 23
 W-Sa Nov 27-30
 W (at 1pm),
 Th, F Nov 27-29
 F Evening Dec 6
 M Dec 9
 Tu Dec 10
 W-Tu Dec 11-17
 W-Tu Dec 11-17
 Tu-W Dec 24-25
 W Jan 1

1992-93

M-F Aug 31-Sept 4
 M Sept 7
 W Sept 9
 M Oct 12
 Tu Oct 13
 F Evening Oct 16
 Tu Oct 20

 W-Tu Oct 21-27
 W Oct 28
 W-Sa Nov 25-28
 W (at 1pm),
 Th, F Nov 25-27
 F Evening Dec 4
 M Dec 14
 Tu Dec 15
 W-Tu Dec 16-22
 W-Tu Dec 16-22
 Th-F Dec 24-25
 F Jan 1

SPRING SEMESTER

Registration
 Martin Luther King Day (University Closed)
 Classes Begin
 Washington's Birthday (University Closed)
 Last Day to Withdraw
 Last Day to Remove Incompletes
 for Fall Semester
 Make-Up Date for Missed Classes
 Mid-Semester Exam Period
 Mid-Semester Grades Due
 Spring Break (No Classes)
 Easter Holiday (No Classes)
 (University Closed)
 Make-up Date for Missed Classes
 Last Day of Classes
 Reading Day
 Final Exam Period—Day Students
 Continuing Education Students
 Final Grades Due by
 Commencement

M-F Jan 6-10
 M Jan 20
 Th Jan 16
 M Feb 17
 W Feb 19
 W Feb 26

M-F Jan 11-15
 M Jan 18
 Th Jan 21
 M Feb 15
 W Feb 24
 W Mar 3

F Evening Feb 28
 M-Sa Mar 2-7
 M Mar 9
 M-Sa Mar 9-14
 Th-Su Apr 16-19
 Th-F Apr 16-17
 F Evening Apr 24
 M Apr 27
 Tu Apr 28
 W-Tu Apr 29-May 5
 Tu-Tu Apr 29-May 5
 F May 8
 Sa May 16

F Evening Mar 5
 M-Sa Mar 8-13
 M Mar 15
 M-Sa Mar 15-20
 Th-Su Apr 8-11
 Th-F Apr 8-9
 F Evening Apr 30
 M May 3
 Tu May 4
 W-Tu May 5-May 11
 W-Tu May 5-May 11
 F May 14
 Sa May 22

SUMMER SESSION

(See Summer Undergraduate Bulletin for Academic Calendar)

Memorial Day (University Closed)
 First Summer Session Begins
 Independence Day (University Closed)
 Observed

M May 25
 W June 3
 F July 3

M May 31
 W June 2
 M July 5

Sacred Heart University

Fairfield, Connecticut



Academic Catalog 1989-1991
Revised and Reprinted January 1991

ACADEMIC CALENDAR 1991-1993

Sacred Heart

A Letter From The President

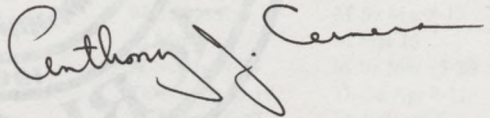
Dear Undergraduate Student:

Welcome to Sacred Heart University! This University exists to serve students committed to furthering their education goals. We are an educational institution designed to provide quality programs for part-time and full-time students at the undergraduate as well as the graduate level.

This Undergraduate Catalog contains a great deal of information regarding programs and services that will be useful to you. In addition, our faculty and administrators are here to assist you in selecting courses or programs of study.

Sacred Heart University is committed to academic excellence and to meeting individual student needs and aspirations. I hope you will find your experience here to be invaluable.

Sincerely,



Anthony J. Cernera
President

Academic Catalog 1989-1991
Revised and Reprinted January 1991

Table of Contents

Academic Calendar 1991-93	Inside Front Cover
A Letter From The President	2
Accreditation and Memberships	4
University History and Mission	6
Undergraduate Admissions	10
Expenses	14
Financial Aid	16
The Academics	23
Academic Policies & Regulations	61
Academic Programs & Resources	67
Student Services and Student Life at Sacred Heart	77
Course Descriptions	80
Directory	165
Index	177
Directions to Campus	180
Campus Map	Back Cover
University Telephone Numbers	Inside Back Cover

Accreditation

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 accredited by the National League for Nursing; 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

The University is a member of the following national and regional associations: the American Assembly of Collegiate Schools of Business, American Association of Collegiate Schools and Programs, American Association of Colleges of Nursing, American Association of Collegiate Registrars and Admissions Officers, American Council on Education, American Library Association, American Mathematical Society, Association for Computer Machinery, Association of Departments of English, Association of University Programs in Health Administration, College and University Personnel Association, College Entrance Examination Board and Scholarship Service, Connecticut Association of Colleges and Universities for Teacher Education, Connecticut Business and Industry Association, Connecticut Conference of Independent Colleges, Connecticut Council on Higher Education, Council for Advancement and Support of Education, Mathematical Association of America, National Association of College and University Business Officers, National Catholic Educational Association, National Continuing Education Association, National League for Nursing, Society for Industrial and Applied Mathematics, and the Southwestern Connecticut Library Council.

Notations

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.

Mission

Sacred Heart University, founded by the Most Reverend Walter W. Gornis, the Second Bishop of the Diocese of Bridgeport, is a nonsecular, independent institution of higher learning in the Catholic intellectual tradition whose primary objective is to prepare men and women to love life and make their contributions in the human community. The University aims to assist in the development of people, knowledgeable of self, rooted in faith, educated in mind, compassionate in heart, responsive to social and civic obligations, and able to respond to an ever-changing world. It does this by calling forth the intellectual potential of its students, nurturing each one's spiritual and moral growth, and deepening in them a sense of social responsibility. Sacred Heart University is committed to combining education for life with preparation for professional excellence.

Sacred Heart University is Catholic in tradition and spirit. As a Catholic University, it seeks to play its appropriate role in the modern world. It exemplifies in its life the Jesus-Christus values of the God-given freedom and dignity of every human person, inspired by the ecclesiological spirit of the

University History and Mission

History

Sacred Heart University was founded in 1963 by the Most Reverend Walter W. Curtis, Bishop of the Diocese of Bridgeport. It was established to provide a quality education at a local Catholic university. From the outset the new University bore the mark of innovation. Embodying a new direction within American Catholicism, Sacred Heart was to be led and staffed by the laity, independent and locally oriented, serving the needs of the new diocese and southwestern Connecticut.

Signs of the University's growth are selfevident. The student population, for example, has risen from its original class of 173 students in 1963 to over 4,300 full- and part-time students in 1989. Correspondingly, the faculty has increased from nine in number to over 300. This remarkable growth in such a relatively short period is often attributed to the development of new degree programs and majors in relevant disciplines.

From its first days the University rapidly embraced a wide variety of new programs and offerings ranging from the traditional liberal arts, mathematics and science, nursing, and computer science. The largest growth area, however, has been business with majors in management, finance, accounting, and marketing. Such programs are reflective of the surrounding corporate atmosphere in Fairfield County. Varied degree programs also have been developed such as the highly innovative Associate of Arts Degree, once unique in Connecticut, and expansive Masters Programs in the areas of business management, religious studies,

nursing administration and education. One of the most significant contributions of Sacred Heart University to the community is its commitment to continuing education and the life-long learner. Its evening course offerings earn praise for their diversity and relevance to the learning process in higher education.

The administration, faculty, students, and staff who are an integral part of the Sacred Heart University community are proud to carry forward the founder's vision and the University's mission.

Mission

Sacred Heart University, founded by the Most Reverend Walter W. Curtis, the Second Bishop of the Diocese of Bridgeport, is a coeducational, independent institution of higher learning in the Catholic intellectual tradition whose primary objective is to prepare men and women to live in and make their contributions to the human community. The University aims to assist in the development of people, knowledgeable of self, rooted in faith, educated in mind, compassionate in heart, responsive to social and civic obligations, and able to respond to an ever-changing world. It does this by calling forth the intellectual potential of its students, nurturing each one's spiritual and moral growth, and deepening in them a sense of social responsibility. Sacred Heart University is committed to combining education for life with preparation for professional excellence.

Sacred Heart University is Catholic in tradition and spirit. As a Catholic University, it seeks to play its appropriate role in the modern world. It exemplifies in its life the Judeo-Christian values of the God-given freedom and dignity of every human person. Inspired by the ecumenical spirit of the

Second Vatican Council, Sacred Heart University welcomes men and women of all religious traditions and beliefs who share its concerns for truth, scholarship, the dignity of the human person, freedom, and the betterment of human society. It values religious diversity as enhancing the University community and creating opportunities for dialogue in the common search for truth. Through its curriculum and campus ministry programs the University provides the context in which students have the opportunity to appropriate in a critical fashion their own religious traditions

Sacred Heart University challenges its students to think critically, analyze carefully, evaluate with a sense of justice and proportion, and convey conclusions in intelligible and articulate fashion. The University provides the environment in which its students can develop the aesthetic dimension of life by nurturing their abilities to imagine, create and appreciate. It also assists students in acquiring a rich understanding of their own cultural and family heritages so as to assume their responsibilities as conveyors and creators of culture and family.

As a community of scholars Sacred Heart University exists for the pursuit of truth. It joins with other colleges and universities in the task of expanding human knowledge and deepening human understanding. It encourages and supports the scholarly and artistic work of its faculty and students. Further, it has a responsibility to share its resources and its special gifts and talents for the betterment of the human community. All members of the University community are encouraged strongly to participate in the wider community through service to others, especially the poor. From its founding, the University has been recognized for provid-

ing opportunity, access and support for highly motivated students. It respects the personal and academic freedom of each of its members while, at the same time, fostering a genuine experience of community. By so doing it creates the environment in which each person in the University shares in common goals and a common commitment to truth, justice and concern for others.

Location

Located on 53 suburban acres near the Fairfield/Bridgeport line, just minutes from Exit 47 off the Merritt Parkway, Sacred Heart University offers educational opportunities to students of all ages and of any race, creed, nationality, or ethnic origin.

Curriculum

In touch with the pulse of the community which it serves, the University responds with courses that offer up-to-date specialized information and skills. At the same time, it maintains a commitment to the intellectual development of its students within a well-defined liberal arts program—the humanities, the physical sciences, and the social sciences.

A liberal arts curriculum, in place through the ages from the days of antiquity, speaks to one's humanity—a link with the past, a commitment to the future.

The University offers baccalaureate candidates a choice of 22 majors in the areas of liberal arts, business, and professional studies. Candidates seeking an associate degree can choose from among 24 major concentrations. Master degree programs are offered in the fields of business administra-

tion (MBA, EMBA, MBA/Health Care), religious studies (MARS), teaching (MAT) and nursing (MSN). Professional Certificates (6th Yr.) in Administration and Advanced Teaching are also offered. Over 300 full- and part-time faculty members serve the University.

The Office of Graduate Studies and Continuing Education attracts a growing number

students who have completed a high school diploma or its equivalent. 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's admissions policy does not discriminate because of race, national origin, color, sex, handicap, age or religious belief.

Early Entrance Program

The University has established an arrangement with 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.

In order to participate in the Early Entrance Program, completed applications must be received by December 15 for a January 15 decision. This program is only available to prospective students indicating Sacred Heart University as their first choice.

Transfer Students

Any student who has attended another regionally accredited institution and wishes to transfer to Sacred Heart University must

of area men and women who seek learning experiences apart from the degree granting programs, courses which provide cultural enrichment, intellectual growth, and career development.

A broad spectrum of short term, noncredit courses, workshops, and seminars are also offered each semester to meet the challenge of a dynamic and changing society.

Students will accept a maximum of 60 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 B.N. diploma from an accredited institution. This is not applicable toward the Bachelor of Science degree in Nursing.

International Students

International Students are required to demonstrate proficiency in the English language and satisfy the above admission requirements and procedures. The English language requirement of the College will be met when the applicant has scored 500 or better on the TOEFL, or comparable rating at Sacred Heart University's ESL Center. A complete set of educational credentials with English translation are required before eligibility for admission can be determined. An affidavit of financial responsibility is required before the I-20 form is issued.

Representatives of numerous foreign countries including Brazil, Cambodia, China, Ethiopia, Georgia, Greece, Italy, Jamaica, Japan, India, Laos, Lebanon, Nigeria, Portugal, Sweden, Thailand and Viet Nam, to mention a few, are currently enrolled at Sacred Heart University.

Undergraduate Admissions

A dated curriculum of core liberal arts courses, workshops, and seminars are also offered with courses to meet the challenge of a dynamic and changing society. Through the advanced programs the University provides the opportunity which students have the opportunity to appreciate in a critical fashion their own religious traditions.

Sacred Heart University challenges its students to think critically, analyze carefully, evaluate with a sense of justice and proportion, and convey conclusions in intelligible and articulate fashion. The University provides the environment in which its students can develop the aesthetic dimension of life by nurturing their abilities to imagine, create and appreciate. It also assists students in acquiring a rich understanding of their own cultural and faculty heritages so as to assume their responsibilities as conveyors and creators of culture and quality.

As a community of scholars Sacred Heart University exists for the pursuit of truth. It joins with other colleges and universities in the task of expanding human knowledge and deepening human understanding. It encourages and supports the scholarly and creative work of its faculty and students. Further, it has a responsibility to share its resources and its special gifts and talents for the betterment of the human community. All members of the University community are encouraged strongly to participate in the public community through service to others, especially the poor. Programs including The University has been recognized for providing

Location

Located on 55 suburban acres near the Fairleigh/Bridgport line, just minutes from Exit 47 off the Merritt Parkway, Sacred Heart University offers educational opportunities to students of all ages and of any race, creed, nationality, or ethnic origin.

Curriculum

In touch with the pulse of the community which it serves, the University responds with courses that offer up-to-date specialized information and skills. At the same time, it maintains a commitment to the intellectual development of its students within a well-defined liberal arts program—the humanities, the physical sciences, and the social sciences.

A liberal arts curriculum, in place through the ages from the days of antiquity, speaks to one's humanity—a link with the past, a commitment to the future.

The University offers baccalaureate candidates a choice of 22 majors in the areas of liberal arts, business, and professional studies. Candidates seeking an associate degree can choose from among 24 major concentrations. Master degree programs are offered in the fields of business administration

Undergraduate Admissions

Admissions

Sacred Heart University's Admissions requirements are designed to admit applicants who have completed a high school diploma or its equivalent. 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's admissions policy does not discriminate because of race, national origin, color, sex, handicap, age or religious belief.

Early Entrance Program

The University has established an arrangement with 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.

In order to participate in the Early Entrance Program, completed applications must be received by December 15 for a January 15 decision. This program is only available to prospective students indicating Sacred Heart University as their first choice.

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. 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.

International Students

International Students are required to demonstrate proficiency in the English language and satisfy the above admissions requirements and procedures. The English language requirement of the College will be met when the applicant has scored 500 or better on the TOEFL, or comparable rating at Sacred Heart University's ESL center. A complete set of educational credentials with English translations are required before eligibility for admission can be determined. An affidavit of financial responsibility is required before the I-20 form is issued.

Representatives of numerous foreign countries including Brazil, Cambodia, China, Ethiopia, Gambia, Greece, Italy, Jamaica, Japan, India, Laos, Lebanon, Nigeria, Portugal, Sweden, Thailand and Viet Nam, to mention a few, are currently enrolled at Sacred Heart University.

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 \$30 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. Call the Admissions Office to set up a personal interview and tour of the campus. The address of the Admissions Office for the above items is:

Admissions Office
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 1-800-333-8934.

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: Priority for September enrollment is April 1 and December 1 for January enrollment. Applications after these dates are considered on a space available basis.

Part-Time Study

All part-time day and evening undergraduate students are admitted through the Office of Graduate Studies and Continuing Education. The Office of Graduate Studies and Continuing Education is committed to the development of programs and educational opportunities for the part-time student. Through Certificate Programs, and special offerings, in addition to the regular undergraduate offerings and non-credit courses for the personal, professional, cultural, and social development of the adult student the Office of Graduate Studies and Continuing Education attracts a large part-time student population. Those interested in enrolling should contact the Office of Graduate Studies and 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 Graduate Studies and Continuing Education.
2. Have an official transcript of both high school and college work sent to the Office of Graduate Studies and Continuing Education.
3. Make an appointment with the Office of Graduate Studies and Continuing Education to discuss academic curriculum and course offerings.

Admissions decisions will be made when the above items are completed. One can enroll as a special student before completing the above.

Students wishing to matriculate for a degree program must complete the above procedure before completing 12 credits. A \$30

application fee is required for degree candidates. The mailing address for the Office of Graduate Studies and Continuing Education is:

Office of Graduate Studies and Continuing Education
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 1-800-288-2498

Full-Time Student (12 credits)	\$3,950.00/semester
Part-Time Student (1-7 credits)	210.00/credit
Part-Time Student (8-11 credits)	270.00/credit
Overload (12 or more credits)	270.00/credit
St. Vincent's Nursing Program	180.00/credit
Addit	250.00/course
Student Activity Fee (Full-Time Student)	45.00/semester
Student Activity Fee (Part-Time Student)	10.00/semester
Registration Fee	25.00
Late Registration Fee	15.00
1782 Registration Fee (per course in A.C. & G. et.)	50.00
Change of Program Fee (per change)	10.00
Graduation Fee	60.00
Transcript Fee	3.00
Application Fee	30.00

Lab Fee (per course)

Expenses

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

All University tuition and fees 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.

Tuition refunds are based on the full tuition charge.

100% — Before start of course

80% — Before start of second week of class

60% — Before start of third week of class

40% — Before start of fourth week of class

20% — Before start of fifth week of class

0% — After start of the fifth week of class

All registration fees are non-refundable, unless the course is cancelled. Federal regulations require that veterans follow the University's withdrawal policy or be subject to repayment of any benefits received.

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.

Expenses

Applicants 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 \$30 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. Call the Admissions Office to set up a personal interview and tour of the campus. The address of the Admissions Office for the above items is:

Admissions Office
 Sacred Heart University
 5131 Park Ave.
 Fairfield, CT 06430-1000
 Telephone: 1-800-333-9914

The Admissions Office operates on the rolling admissions system. This is notification of acceptance will be determined as soon as all the materials have been received. In order to complete your application, the above items should be completed as early as possible. Priority for September enrollment is April 1 and December 1 for January enrollment. Applications after these dates are considered on a space available basis.

Part-Time Study

The Office of Graduate Studies and Continuing Education is committed to the development of programs and opportunities for the part-time student. Through Certificate Programs, degree offerings, or admission to the graduate offerings, the Office of Graduate Studies and Continuing Education attracts a large part-time student population. Those interested in enrolling should contact the Office of Graduate Studies and 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 Graduate Studies and Continuing Education.
2. Have an official transcript of both high school and college work sent to the Office of Graduate Studies and Continuing Education.
3. Make an appointment with the Office of Graduate Studies and Continuing Education to discuss academic curriculum and course offerings.

Admissions decisions will be made when the above items are completed. One can enroll as a special student before completing the above.

Students wishing to matriculate for a degree program must complete the above procedure before completing 12 credits. A \$30

Expenses

Tuition and University Fees 1990-1991

Tuition:

Full-Time Student
(12-17 credits) \$3,950.00/semester

Part-Time Student
(1-7 credits) 210.00/credit

Part-Time Student
(8-11 credits) 270.00/credit

Overload
(17 or more credits) 270.00/credit

St. Vincent's Nursing Program 180.00/credit

Audit 250.00/course

Student Activity Fee
(Full-Time Student) 45.00/semester

Student Activity Fee
(Part-Time Student) 10.00/semester

Registration Fee 25.00

Late Registration Fee 15.00

17/62 Registration Fee
(per course max. 6 cr.) 50.00

Change of Program Fee
(per change) 10.00

Graduation Fee 60.00

Transcript Fee 3.00

Application Fee 30.00

Lab Fee (per course)

Level 1 35.00

Level 2 20.00

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

All University tuition and fees 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.

Tuition refunds are based on the *full* tuition charge.

100% — Before start of course

80% — Before start of second week of class

60% — Before start of third week of class

40% — Before start of fourth week of class

20% — Before start of fifth week of class

0% — After start of the fifth week of class

All registration fees are non-refundable, unless the course is cancelled. Federal regulations require that veterans follow the University's withdrawal policy or be subject to repayment of any benefits received.

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

Expenses

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

All University tuition and fees 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 until 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.

Tuition refunds are based on the full tuition charge.

100% — Before start of course
 80% — Before start of second week of class
 60% — Before start of third week of class
 40% — Before start of fourth week of class
 20% — Before start of fifth week of class
 0% — After start of the fifth week of class

All registration fees are non-refundable, unless the course is cancelled. Federal regulations require that returns follow the University's withdrawal policy or be subject to repayment of any benefits received.

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 Business Office.

All refunds take six weeks to process.

Tuition and University Fees 1990-1991	
Tuition:	
Full-Time Student (5-11 credits)	\$2,950/semester
Part-Time Student (1-4 credits)	210.00/credit
Part-Time Student (8-11 credits)	270.00/credit
Overload (17 or more credits)	270.00/credit
St. Vincent's Nursing Program (80.00/credit)	180.00/credit
Audit	250.00/course
Student Activity Fee (Full-Time Student)	42.00/semester
Student Activity Fee (Part-Time Student)	10.00/semester
Registration Fee	25.00
Late Registration Fee	15.00
1 Year Registration Fee (per course max. 6 cr.)	50.00
Change of Program Fee (per change)	10.00
Graduation Fee	60.00
Transcript Fee	3.00
Application Fee	30.00

Financial Aid

The University maintains a strong commitment to provide higher education to as many students as possible by making available scholarships, grants, loans, and part-time employment. Financial aid packages are developed by combining Sacred Heart University's own resources with a variety of federal and state financial aid programs.

Any graduate or graduate student who is a citizen or permanent resident of the United States and is enrolled in the University on at least a half-time basis (six credit hours per semester) is eligible for consideration. Emphasis is placed on students who are enrolled in a full-time degree program; part-time awards are limited and cannot exceed 50 percent of the tuition costs.

Financial aid awards are based primarily on the student's financial need, as well as citizenship and academic progress. Sacred Heart utilizes the College Scholarship Service for determining need, considering such factors as student and parental income and assets, the number of children attending college, and any medical or extraordinary expenses. Veteran's benefits, as well as awards from outside sources, are also considered.

At present approximately 74 percent of our students receive financial aid. However, many students do not realize they are eligible for assistance. Therefore, a discussion with a member of the Financial Aid staff is recommended for all applicants to the University.

Yearly Renewal of Aid requires that:

- A completed Financial Aid Form (FAF) must be processed through the College Scholarship Service in Princeton, NJ, no later than March 1.

The following forms must be sent directly to the Financial Aid Office:

- Copies of PELL Grant Student Aid Report
- A complete, signed copy of the parent's Federal Income Tax Return (1040, 1040A or 1040EZ and all schedules).
- A complete, signed copy of the student's Federal Income Tax Return.
- A complete Title IV Default/Draft Registration Statement of Educational Purpose form available from the Financial Aid Office.

Additional verification and documentation may be required according to individual circumstances. Forms will be sent to you by the Financial Aid Office. You should complete and return them promptly, failure to do so may delay your application or eliminate your eligibility for any assistance.

Transfer students must submit Financial Aid Transcripts (FAT) from all postsecondary institutions attended, before any commitment will be made.

Also, you must:

- Maintain satisfactory progress and good standing in the course of study being pursued according to the regularly prescribed standards and practices of the University.
- Carry an academic workload sufficient to qualify as at least half-time student during the academic year.
- Not be in default on any loan made from a student loan fund at any university or on a loan made, insured, or guaranteed under the Stafford (GSL) Loan or PLUS Programs.

- Not owe a refund on grants previously received for attendance at any university under the PELL GRANT, SEOG, or State Student Incentive Grant Program.

FEDERALLY FUNDED PROGRAMS

Pell Grant

An entitlement program funded and administered by the government which is based on financial need. You must be a citizen or permanent resident of the United States and enrolled at least half-time in an undergraduate degree program to be eligible. The SHU Financial Aid Office requires all aid applicants to apply for a Pell Grant by marking the appropriate section on the FAF. Approximately six weeks after filing the FAF, the student receives a Student Aid Report (SAR) which contains his or her Eligibility Index. The SAR must then be sent by the student to the Financial Aid Office where the Eligibility Index Number is converted to a dollar amount by using tables established by the federal government.

Supplemental Educational Opportunity Grant (SEOG)

A federally funded program administered by the University and reserved for undergraduate students with exceptional financial need who would be unable to continue their education without it. Both full- and part-time students are eligible.

Perkin's Loan [Previously: National Direct Student Loan (NDSL)]

This is a long-term, federally funded educational loan available to citizens or permanent residents of the U.S. The amount of the loan offered to a student annually is based upon the calculated financial need.

The loan carries no interest charges while you are enrolled as at least a half-time student. Interest begins to accrue six months after you cease to be a half-time student, and your first payment is due three months later. SHU offers monthly repayment plans. The minimum monthly repayment is \$30, and you are allowed up to 10 years for repayment. Until the entire loan amount is repaid you will be charged 5 percent simple interest annually on the unpaid balance of the loan principal.

Specific details regarding repayment, deferment, and cancellation can be obtained from the Financial Aid Office. These terms will also be explained in an exit interview before graduation or termination of studies at the University.

College Work Study Program

This University-administered, federally funded program is designed to help students meet some of their educational expenses. Selection and eligibility criteria are controlled by the Financial Aid Office with preference given to students who demonstrate the greatest need.

This program provides employment opportunities on campus or in community-based non-profit organizations. The general rule is that students may work up to 15 hours per week while classes are in session. The maximum amount of earnings are determined by your calculated financial need. Every two weeks you are paid by check for the number of hours worked. Wages earned under the College Work Study Program in combination with any other wages or aid you are receiving, may not exceed your financial need for the year. If this happens, your aid package may then be adjusted.

STATE FUNDED PROGRAMS

Connecticut Independent College Student Grant

The program administered under Public Statue 73-551 (CICSG) provides funds to independent colleges in the state of Connecticut. These grants of direct financial assistance to both full- and part-time students are need-based and subject to criteria developed by the state.

The Connecticut Scholastic Achievement Grant Program

Applicants should contact the state scholarship agency directly for information on eligibility requirements, application procedures, and deadlines.

THE CONNECTICUT SCHOLASTIC ACHIEVEMENT GRANT PROGRAM

State of Connecticut
Department of Higher Education
61 Woodland Street
Hartford, Connecticut 06105
203/566-2618

Other Available State Scholarships

If you are a resident of one of the following states you may be eligible for a state scholarship. Call the state agency directly.

MASSACHUSETTS STATE SCHOLARSHIP

Massachusetts Board of Higher Education Loan (GSL)]
Scholarship Office
Park Square Building
Room 638
31 St. James Street
Boston, Massachusetts 02116

RHODE ISLAND STATE SCHOLARSHIP

Rhode Island Higher Education Assistance Authority

274 Weybosset Street
Providence, Rhode Island 02903
401/277-2050

PENNSYLVANIA STATE GRANT

The Pennsylvania Higher Education Assistance Agency
Towne House
Harrisburg, Pennsylvania 17102
717/787-1490

VERMONT STATE INCENTIVE GRANT

Vermont Student Assistance Corporation
5 Burlington Square
Burlington, Vermont 05401
802/658-4530

COMMUNITY SERVICE EMPLOYMENT

Undergraduate, Connecticut residents with financial need are eligible to work in community service projects affiliated with the CICSG program as noted above.

CONNECTICUT NURSING SCHOLARSHIP PROGRAM

Provides grants to undergraduate and graduate nursing students. Students must be Connecticut residents who are in good academic standing and demonstrate financial need.

STAFFORD LOAN

[Formerly: Guaranteed Student Loan (GSL)]

A Stafford Loan is a need-based, long-term, low-interest educational loan. Banks, credit unions, savings and loan association, and other lending institutions participate in the program. The loan is made directly to the borrower and he or she is responsible for its repayment according to the schedules provided by the lender. Students enrolled at least half-time in an approved program who are citizens or permanent residents of the U.S. may apply.

The amount you are entitled to borrow each year will depend on your class standing. The interest rate is 8 percent through the first four years of repayment and 10 percent beginning with the fifth year of repayment, on the outstanding principal balance and repayment begins six months after you graduate, terminate your course of study, or enroll less than half-time. Students may take up to 10 years to repay the loan as long as monthly payments are at least \$50.

To apply, obtain an application form from the financial aid office or lending institution. A detailed explanation of the program and line-by-line instructions for completing the form are on the cover sheet of the application. A Financial Aid Form (FAF) and other pertinent forms, which must also be completed, are available at the SHU Financial Aid Office. Submit the completed application and required documentation to the Financial Aid Office for processing.

Students who are borrowing under this program are now required under federal law to have an Entrance Interview. A Financial Aid Officer must conduct these with the student borrower prior to certification of the loan.

The loan process takes time; the loan has to be processed by the University, the lending institution, and the state guaranteeing agency.

Deadline date for the academic year starting in September is May 15.

Deadline date if applying for the spring semester only is October 15.

Deadline date for the summer session application is May 1.

The check will be made out to you and SHU and mailed directly to the SHU Cashiers Office. Loan proceeds will be in multiple disbursements for any loan covering an enrollment period of more than six months and is \$1,000

or more. For example, a \$2,000 loan for a full academic year of September through May will be made in two disbursements; approximately one-half in August and one-half in December.

If you have difficulty obtaining a loan, you should contact the agency which administers the student loan program in your state. The following is a partial list of state guaranteeing agency telephone numbers:

Connecticut	203/547-1510
Massachusetts	617/426-9434
Rhode Island	401/277-2050
Pennsylvania	717/787-1932
New York	518/473-1574
New Jersey	609/292-3906

UNIVERSITY PROGRAMS

Tuition Remissions

These direct University grants are offered to full- and part-time students who demonstrate financial need.

Presidential Scholarships

Presidential Scholarship awards range from \$500 to full tuition per year. Full-time incoming freshmen and transfers are eligible. These merit awards are based on academic achievement and leadership ability. Students must also maintain an average of 3.0 or better and submit a Financial Aid Form each year to remain eligible.

Athletic Scholarships

Outstanding student athletes are eligible for athletic scholarships which may cover full or partial tuition costs.

Endowed Scholarships

The following scholarships are offered, in varying amounts, to academically worthy students by private organizations, corporations, and individuals. The current list is

subject to change.

Julius R. Andrasi Memorial
 Arwood Foundation
 Bailey Employment Service of Norwalk
 John T. Balamaci
 Dr. Banks Pre-Medical
 Mark J. Behuncik Memorial
 Arthur J. Brisette Memorial
 Dr. John J. Brookes Memorial
 Bryant/Westinghouse Endowment
 Bullard Company Fund
 William & Philip Carlson
 Eric Christensen
 Dr. Evelyn Conley Memorial
 Dr. William H. Conley Memorial
 Lora Conte Scholarship
 Terrence Cardinal Cooke
 DOT Anger Memorial
 The Priscilla Maxwell Endicott, C.W.G.A.
 Ethnic Studies Endowment
 Jonathan T. Evanish Nursing
 Exxon Grant
 Eriscoes Athletic Scholarship
 General Electric Company
 Richard Goggin Memorial Scholarship Fund
 Alexander Hawley Memorial
 James Joy Scholarship
 James River Corporation
 John T. Katona Memorial
 Laborers International Union Local 665
 Dorothy Lansdale R.N. Scholarship
 John B. Lynch Foundation
 Monsignor Martin J. MacDermott Memorial
 George P. Macura
 Marina Center/R. Jennings
 Donald McGannon Memorial
 Mechanics and Farmers Scholarship
 Thomas P. Melady Scholarship
 Harold and Ann Miller
 Loretta and Robert Miller Scholarship
 Modern Foreign Language
 Irving Moorin
 Emily Mossey Memorial
 Near and Far Aid Association
 Sandra Lynn Nobili
 Father O'Gorman Memorial
 Omega Engineering Endowment

Parish Scholarship Fund
 Charles Plohn Art
 Laura Ress
 Allyson Rioux
 Jeanette Rohn
 Leonard A. Schine Memorial
 Robert Sendar Memorial
 Sacred Heart University Scholarship
 Sikorsky Scholarship
 Sumner Simpson
 SNET Scholarship
 Stamford Foundation
 Stauffer Chemical Company
 Voynick Lecture
 Edith A. Wellock

Family Discount Plan

The family discount plan offers a 15 percent reduction in tuition costs when two or more individuals from the same family are enrolled at the University. Each student must take at least six credits during the period of the award.

SHU Grant-In-Aid

These funds are awarded to undergraduates with financial need.

SHU Minority Scholarship

Awarded to full-time undergraduate minority students with financial need and academic potential

SHU Graduate Grant-In-Aid

Available to graduate students not receiving employee reimbursement, with financial need.

DEFERRED PAYMENT PLAN OPTIONS

There are several deferred payment plan options available to students and parents.

- A. Sacred Heart University offers both a five-month and a four-month deferred

payment plan with a \$10.00 finance charge each semester.

1. The first payment for the five-month payment plan is due on July 15th for the fall semester, and December 15th for the spring semester.
2. The first payment for the four-month payment plan is due at registration.

Anyone who is interested in the Sacred Heart University deferred payment plans should contact the University's Student Accounts Office.

There is no payment plan available for the summer session.

- B. Academic Management Services, Inc., offers a ten-month deferred payment plan with a \$45.00 finance charge. Applications can be obtained from the University's Student Accounts Office. You can also call or write to Academic Management Services, Inc., for an application and additional information. The toll free number is 1-(800)-635-0120. The address is 50 Vision Blvd., P.O. Box 4506 East Providence, R.I. 02914-0506.

OTHER SOURCES OF SUPPORT

Students are required to report all assistance from sources not included in the financial aid package offered to them by Sacred Heart University. Total aid from all sources may not exceed a student's calculated financial need.

NOTIFICATION OF DECISION

The Financial Aid Office notifies all students of the status of their applications and the amount of their awards.

ACCEPTANCE OF FINANCIAL AID AWARD

If you are satisfied with the award package, you must then sign the Financial Aid Award Notice and return it to the Financial Aid Office within two weeks of notification.

Students have a right to request a review of awarded aid. All discussions with Financial Aid Officers regarding your financial situation are confidential.

FINANCIAL AID COUNSELING

Any student or family needing assistance in the formulation of a financial plan for college may seek the advice and counsel of Sacred Heart University's Financial Aid Officers. A complete analysis of all possible avenues of financial aid will be given for your consideration.

Who to see

The Financial Aid Officers to contact are: Julie B. Savino, Director of Financial Aid; Kevin Stevens, Counselor; Ethel Zahornacky, Financial Aid Officer.

Where to go

The Financial Aid Office is located in the Campus Center. The telephone number is (203) 371-7980. Hours are 8:30 to 4:30 P.M.; Monday through Friday. Or write:

**Financial Aid Office
Sacred Heart University
5151 Park Avenue
Fairfield, CT 06432-1000**

The Academics

The Bachelor of Science in Business Administration (BSBA) is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The goal of Sacred Heart University is to provide an educational experience for its students which will result in their becoming well-rounded, persons who will possess the intellectual ability to know, judge and reason, to analyze and synthesize, to discern and discern, persons who will be sensitive and responsive 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.

With the liberal arts as its foundation, Sacred Heart University offers two levels of undergraduate business administration programs: the Bachelor of Science in Business Administration (BSBA) and the Bachelor of Science in Business Administration with a concentration in Management Information Systems (BSBA/MIS). In addition, Sacred Heart University offers two master's degrees: a Master of Science in Business Administration (MSBA) and a Master of Science in Management Information Systems (MSMIS). The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The BSBA program is a four-year undergraduate degree program that prepares students for careers in business. The program is designed to provide students with a strong foundation in business theory and practice, as well as the skills and knowledge necessary to succeed in a competitive global marketplace. The BSBA program is accredited by the Association to Advance Collegiate Schools of Business International (AACSB) and the International Association of Business Schools (IABSB) and is recognized by the U.S. Department of Education.

The Academics

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.

With the liberal arts as its foundation, Sacred Heart University offers two baccalaureate degrees: B.A. (Bachelor of Arts) and B.S. (Bachelor of Science) in 22 major fields and 20 minor fields. In addition, Sacred Heart University offers two associate degrees: A.A. (Associate in Arts) and A.S. (Associate in Science).

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.

The Baccalaureate curriculum is made up of five components: 1) The Required Core (Area A-18 credits); 2) The Elective Core (Area B—30-32 credits); 3) The B.A.-B.S. Requirements (6-8 credits); 4) The Major field (30-58 credits); 5) Electives (4-36 credits).

1) Area A: Required Core

The required core provides the student with a competency in writing, communications, and mathematics, and an appreciation of history and literature.

Proficiency of written English rhetoric at the collegiate level as determined by the Faculty of Communication Studies. 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.

Proficiency of oral rhetoric as determined by the Faculty of Communication Studies. CA 021, *Effective Communication*, with a grade of “C” or better normally fulfills this requirement.

Proficiency of mathematics at the collegiate level. MT 050, *Modern College Mathematics I*, or MT 080, *Mathematics for Decision Making*. A higher-level mathematics course can be used to fulfill this requirement.

EN 101, *Approaches to Literature*

HI 101, *Civilization*

2) Area B: Elective Core

The Elective Core has four major areas which provide 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 B-1: Six credits from at least two (2) disciplines

Art/Music	Foreign Language	Media Studies
History		
Literature		

Area B-2: Nine credits from at least two (2) disciplines

Anthropology	Political Science	Sociology
Economics	Psychology	

Area B-3: Two courses with at least one in the Natural/Physical Sciences:

Biology	Physics	Computer Science
Chemistry	Mathematics	

Area B-4 Nine Credits from two (2) disciplines

Philosophy	Religious Studies
------------	-------------------

Each core course is marked with a “†” in the section containing course descriptions.

A Core Curriculum course should possess the following attributes:

1. It should provide students with the basic methodological concepts and perspectives of the discipline including where germane, the ethical obligation and responsibilities that evolve upon practitioners of the discipline.
2. It should give students an idea of how the discipline fits into the universe of liberal arts.
3. It should give students an idea of the usefulness of the discipline to personal intellectual growth and also some notion of the practical applicability of the discipline.
4. It should be taught in such a fashion as to enhance students' critical thinking skills and their ability to express themselves well.

3)BA/BS Requirement

The BA/BS requirement provides the student with either a study of modern foreign language or additional study in mathematics and science. Students can choose either degree for all majors.

For the Bachelor of Arts Degree (BA), a student must complete 6 credits of foreign language on a level depending on the previous educational background of the student. The University offers language on three levels: First-Year language, Intermediate language, or Advanced level. These credits cannot be used in Area B1.

For the Bachelor of Science Degree (BS), students must complete a second mathematics course. The particular course depends upon the major field of study. In addition, students must complete a science course different from the Area B3 Science requirement.

4) The Major Field

The major provides the student an area of specialty as a foundation for graduate study or as a stepping stone for a career. Sacred Heart University offers the following major programs: Accounting, Art, Biology, Business Management, Chemistry, Computer Science, Criminal Justice, Economics, English, Finance, History, Mathematics, Media Studies, Medical Technology, Nursing, Philosophy, Political Science, Psychology, Religious Studies, Social Work, Sociology and Spanish.

In addition, students can choose one of the following optional minor programs: Art, Biology, Chemistry, Computer Science, Economics, English, French, History, Honors Program, Italian, Mathematics, Media Studies, Music, Philosophy, Political Science, Psychology, Religious Studies, Sociology, Spanish.

Accounting

*Faculty of Financial Studies,
Government and Law*

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, comptrollers 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 six credits in related fields. Accounting students are advised to take Mt 080 and Mt 110 as part of their required Baccalaureate Core, since they are prerequisites for certain Accounting courses.

Required Courses:

Ac 101-102	Principles of Accounting I, II
Ac 201-202	Intermediate Accounting I, II
Ac 301-302	Advanced Accounting I, II
Ac 313	Cost Accounting

Ac 314	Managerial Accounting
Ac 321-322	Auditing I, II
Ac 383-384	Federal Taxes I, II
Bu 231-232	Business Law I, II
Bu 241	Business Statistics
Ec 202	Principles of Economics II
Fn 314	Financial Analysis

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

Additional Economics courses.

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.

Art and Design

Faculty of Humanistic Studies

Major in Art

The major in Art requires the completion of 46 credits for students taking an emphasis in Graphic Design and Illustration and 43 credits for students taking an emphasis in Painting. All art majors are required to complete a Foundation Art Core of 19 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 090	Foundation Portfolio
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 on 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 everbroadening field of graphic and visual communication.

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

Ar 112	Design: Three-Dimensional Graphics
Ar 130	Painting I, or
Ar 131	Watercolor
Ar 211	Typography/Layout
Ar 212	Graphic Processes
Ar 160	Foundations in Illustration
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 foundation art courses, students who wish to take an emphasis in Illustration must also complete:

Ar 130	Painting I
Ar 160	Foundation in Illustration
Ar 211	Typography/Layout
Ar 221	Drawing III
Ar 223	Three-Dimensional Drawing
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 experi-

ence 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 foundation art courses, students who wish to take an emphasis in Painting must also complete:

Ar 130	Painting I
Ar 230	Drawing III
Ar 221	Painting II
Ar 231	Painting III
Ar 320	Drawing IV
Ar 330	Painting IV
Ar 391	Senior Project

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:

Ar 110	Design: Visual Organization
Ar 111	Design: Color
Ar 112	Design: Three-Dimensional Graphics

Ar 211	Typography/Layout
Ar 212	Graphic Processes
Ar 270	Graphic Design I

Emphasis in Illustration

Required Courses:

Ar 110	Design: Visual Organization
Ar 111	Design: Color
Ar 120	Drawing I
Ar 160	Foundation in Illustration
Ar 220	Drawing II
Ar 260	Illustration

Emphasis in Painting

Required Courses:

Ar 110	Design: Visual Organization
Ar 111	Design: Color
Ar 120	Drawing I
Ar 130	Painting I
Ar 220	Drawing II

One course in Art History

Biology

Faculty of Science and Mathematics

Major in Biology

The Biology major provides the intellectual and technical skills necessary for a wide range of exciting and productive careers in a rapidly changing world. This quality program enables its graduates to pursue graduate school, medical school, teaching, a career in Allied Health, and research.

Finally, the curriculum generates a special respect for the diversity of life and an essential understanding of the impact humans have on our planet.

Small class size and capable and open professors foster student-faculty relationships which value you as an individual. A departmental advisor will help you to plan a course sequence based on your interests and career goals.

Required Courses:

Students must earn 38 biology credits and 18-19 required supporting credits. The curriculum is as follows:

A common core of required Biology courses (18 credits):

Bi 111	Concepts in Biology I
Bi 112	Concepts in Biology II
Bi 220	Introduction to Genetics
Bi 230	Microbiology
Bi 399	Senior Seminar

One course from each of three areas below (12 credits):

Environmental Biology

Bi 350	Bioecology
Bi 240	Invertebrate Biology
Bi 260	Marine Biology
Bi 360	Internship

Organismal Biology

Bi 212	Animal Development
Bi 210	Plant Physiology
Bi 312	Systems Physiology
Bi 235	Histology
Bi 360	Internship

Molecular Biology

Bi 311	Cell Biochemistry
Bi 320	Advanced Genetics Seminar
Bi 325	Immunology
Bi 330	Virology
Bi 360	Internship

Required Supporting Courses (18-19 credit hours):

Ch 151	General Chemistry I
Ch 152	General Chemistry II
Ch 153	General Chemistry Laboratory I
Ch 154	General Chemistry Laboratory II
Ch 221	Organic Chemistry I
Ch 223	Organic Chemistry Laboratory I
Mt 092	Statistics for Decision Making

One other Math Course to be recommended by the Biology advisor.

Minor in Biology

The minor in Biology requires the completion of 24 credits.

Required Courses:

Bi 111-112	Concepts in Biology I, II
Ch 050	Fundamentals of Chemistry, or
Ch 151-153	General Chemistry I with Lab

Three courses selected from the following:

Bi 210	Botany
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 Biology and Education faculty advisors.

Interdisciplinary Programs

Every effort to enhance professional opportunities for students not wishing to seek careers in the traditional biology disciplines is made by the faculty. To this end, the advisors continually monitor career trends and counsel students to combine the Biology major with specific courses in other disciplines, which will assist the realization of career goals.

Business Management*Faculty of Management and Computer Science*

The curriculum in Management provides 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 six credits in related fields. Management students are advised to take Mt 080 and Mt 110 as part of their required Baccalaureate core, since these courses are prerequisites for certain Management courses.

Required Courses:

Ac 101-102	Principles of Accounting I and II
Bu 103	Business: Its Nature and Environment
Bu 201	Organization Management
Bu 202	Organizational Behavior
Bu 221	Business Communications
Bu 231	Business Law I
Bu 241	Business Statistics
Bu 257	Business Ethics
Bu 278	Principles of International Business
Bu 301	Business Policy
Ec 202	Principles of Economics II
Ec 302	Money and Financial Institutions
Fn 215	Financial Management
Mk 261	Principles of Marketing
Pd 275	Principles of Production and Inventory Control
One Finance elective	

Required Supporting Courses:

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

Minor in Business Administration

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

Required Courses:

Ac 101-102	Principles of Accounting I, II
Bu 201	Organization Management
Bu 202	Organizational Behavior
Bu 231	Business Law I
Ec 201-202	Principles of Economics I, II
Mk 261	Principles of Marketing
In addition Bu 103 is required for Bu 201.	

Chemistry

Faculty of Science and Mathematics

The Chemistry program 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 Chemistry program 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 desiring to teach 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 151-152 General Chemistry I, II

Ch 153-154 General Chemistry Laboratory I, II

Ch 221-222 Organic Chemistry I, II

Ch 223-224 Organic Chemistry Lab I, II

Ch 252 Analytical Chemistry

Ch 254 Analytical Chemistry Laboratory

Ch 331-332 Physical Chemistry I, II

Ch 333-334 Physical Chemistry Laboratory I, II

Ch 351 Instrumental Analysis

Ch 353 Instrumental Analysis Laboratory

Ch 355 Advanced Inorganic Chemistry

Ch 393 Undergraduate Project or

Ch 395 Undergraduate Research

Required Supporting Courses:

Mt 100 Precalculus
(waived on examination)

Mt 151 Introductory Calculus

Mt 152-251 Mathematical Analysis I, II

Py 151-152 Principles of Physics I, II

It is recommended that a minimum of 10-12 credits of Chemistry electives be taken to enhance career and graduate study opportunities. Consult your major 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 151-152 General Chemistry I, II

Ch 153-154 General Chemistry Lab I, II

Ch 221-222 Organic Chemistry I, II

Ch 223-224 Organic Chemistry Laboratory I, II

Ch 252 Analytical Chemistry

Ch 254 Analytical Chemistry Laboratory

Ch 321 Biochemistry I

Ch 322 Biochemistry II

Ch 323 Biochemistry Laboratory I

Ch 324 Biochemistry Laboratory II

Ch 331 Physical Chemistry I

Ch 333 Physical Chemistry Laboratory I

Ch 351 Instrumental Analysis

Ch 353 Instrumental Analysis Laboratory

Ch 393 Undergraduate Project or

Ch 395 Undergraduate Research

One to two credits of Chemistry electives

Required Supporting Courses:

Bi 111	Concepts in Biology I
Mt 151	Introductory Calculus
Mt 152	Mathematical Analysis I
Py 111-112	General Physics I, II, or
Py 151-152	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 370	Computer Applications in Chemistry
Cs 120	Introduction to Applied Computation

Chemistry—Business Option:

Students major in Chemistry (Basic Program) and then supplement the major with the following courses:

Ac 101-102	Principles of Accounting I, II
Bu 201	Organization Management
Ch 360	Industrial Aspects of Chemistry
Cs 050	Introduction to MODULA 2
Ec 201-202	Principles of Economics I, II
Fn 215	Financial Management
Hr 207	Management of Human Resources

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 245	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

Computer and Information Sciences**Faculty of Management and Computer Science**

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 is among the highest of all college graduates.

Major in Computer Science/ Scientific Emphasis

The major in Computer Science with the Scientific emphasis requires the completion of 56 credits.

Required Courses:

Cs 011	Introduction to Computers
Cs 050	Introduction to MODULA 2
Cs 051	Data Structures
Cs 130	Computer Systems
Cs 203	Database Design
Cs 210	Software Engineering
Cs 120	Introduction to Applied Computation
Cs 240	System Programming
Cs 280	Analysis of Algorithms
Cs 211	Advanced Programming Languages
Cs 221	Numerical Computation
Cs 310	Linear Algebra with APL
Cs 340	Compiler Design
Mt 252	Mathematical Analysis II
Mt 341	Mathematical Probability and Statistics I

Required Supporting Courses:

Mt 151	Introductory Calculus
Mt 152	Mathematical Analysis I

Major in Computer Science/ Information Emphasis

The major in Computer science with the Information emphasis requires the completion of 57 credits.

Required Courses:

Cs 011	Introduction to Computers
Cs 050	Introduction to MODULA 2
Cs 051	Data Structures
Cs 130	Computer Systems
Cs 203	Database Design
Cs 210	Software Engineering
Cs 047	Quantitative Methods
Cs 155	Cobol
Cs 295	Information Systems and Organization

Cs 255	Advanced Cobol
Cs 290	System Analysis & Design
Cs 300	Data Communication and System Network
Cs 358	Fourth Generation Languages
Bu 201	Organization Management
Ac 101	Principles of Accounting I
Mt 070	Discrete Mathematics

Two Computer Science electives.

Required Supporting Courses:

Mt 092	Statistics for Decision Making
--------	--------------------------------

Recommended Supporting Courses for the Information Option:

Mt 110	Calculus for Decision Making
Ac 102	Principles of Accounting II
Bu 202	Organizational Behavior
Bu 221	Business Communications
Fn 215	Financial Management

Minor in Computer Science

Required courses:

Cs 011	Introduction to Computers
Cs 050	Introduction to MODULA 2
Cs 051	Data Structures
Cs 130	Computer Systems
Cs 203	Database Design
Cs 210	Software Engineering

Two computer science electives approved by the faculty advisor.

Criminal Justice

Faculty of Education and Social Behavioral Sciences

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, to obtain a bachelor's degree in criminal justice. Applicants who have successfully completed the municipal, state or FBI training may apply for advanced standing.

The Criminal Justice program's foundation consists of a major core of 27 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 or Criminal Justice System and Organization. The major in Criminal Justice requires the completion of a minimum of 51 major credits plus three credits in the related field of Computer Science.

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

Criminal Justice Curriculum

General Requirements for all Cj Majors (27 credits)

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 275	Social Deviance
So 276	Juvenile Delinquency

So 390	Social Statistics
So 391	Methods of Social Research

Criminal Justice System and Organization (24 credits)

This sequence is for students who desire a broad knowledge of the criminal justice system and its organization. No specific courses are required except the internship. In this program, students may combine not more than four courses from any other specialization, except with permission of the chairperson. Course of study is created by the student in consultation with his/her advisor.

Requirements for Specialization in Corrections (24 credits)

Cj 220	Introduction to Corrections
Cj 221	The Administration of Juvenile Corrections
Cj 222	The Treatment of the Adult Offender
Cj 223	Interviewing and Counseling
Cj 320	Correctional Administration and Management
Cj 321	Probation and Parole
Cj 390	Internship (6 credits) (Permission of the department)

Requirements for Specialization in Law Enforcement (24 credits)

Cj 230	Introduction to Law Enforcement
Cj 231	Criminal Investigation
Cj 235	Law of Evidence
Cj 238	Police Administration
Cj 330	Police and Community Relations
Cj 339	Police Supervision
Cj 390	Internship (6 Credits) (Permission of the department)

Requirements for Specialization in Security (24 credits)

Cj 240	Introduction to Security
Cj 241	Security Organization and Administration
Cj 242	Computer Security

Cj 243	Private Security Law
Cj 244	Security and Loss Prevention
Cj 340	Physical Security Strategies
Cj 390	Internship (6 credits) (Permission of the department)

Economics

*Faculty of Financial Studies,
Government and Law*

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 080 and Mt 110 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	Statistics for Business & Economics 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

Education

*Faculty of Education and Social
Behavioral Sciences*

The Education Program 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, 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.

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 Concept Exam or qualify for waiver by meeting alternative testing requirements. Complete information and test registration materials may be obtained from the Education Department Offices.
2. 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.
3. Present at least two letters of recommendation from persons able to testify to the candidate's suitability as a prospective teacher.
4. Have an interview by members of the Faculty 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 33 credits, in addition to those required in the student's major.

Required Courses:

Ed 101	Educational Psychology
Ed 152	Education in the United States
Ps 252	Child Development Psychology

Ed 204	Tests and Measurements
Ed 205	Education of Special Needs Students
Ed 221	Methods of Teaching Reading and Language Arts
Ed 222	Methods of Teaching Mathematics
Ed 223	Methods of Teaching Social Studies, Science, and Health
Ed 387	Children's Literature
Ed 391	Elementary Student Teaching

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:

Ed 206	Models of Early Childhood Programs
Ed 226*	Methods of Pre-Academic Readiness
Ed 250	Creative Play, Movement, and Arts for Early Childhood

* or another Early Childhood Elective subject to advisor's approval.

For Elementary certification applicants graduating after July 1, 1993:

Required Courses

Elementary Certification Pre-Kindergarten thru Grade 3

Ed 101	Educational Psychology or
Ps 252	Child Development
Ed 205	Education of Special Needs Students
Ed 206	Models and Methods of Early Childhood Education
Ed 207	Classroom Management and Discipline
Ed 226	Methods of Pre-Academic Readiness
Ed 221	Methods of Teaching Reading and Language Arts
Ed 222	Methods of Teaching Elementary Mathematics

Ed 250	Creative Play, Movement Art
Ed 271	Computer Literacy
Ed 391	Elementary Student Teaching

Required Courses

Elementary Certification Pre-Kindergarten thru Grade 6

Ed 101	Educational Psychology or
Ps 252	Child Development
Ed 152	Education in the United States
Ed 204	Tests and Measurement or
Ps 151	Statistics for the Behavioral Sciences
Ed 205	Education of Special Needs Students
Ed 207	Discipline and Classroom Management
Ed 221	Methods of Teaching Reading and Language Arts
Ed 222	Methods of Teaching Elementary Mathematics
Ed 223	Methods of Teaching Science, Social Studies and Health
Ed 271	Computer Literacy
Ed 387	Children's Literature
Ed 391	Elementary Student Teaching

Required Courses

Elementary Certification Grades 4-8

Ed 101	Educational Psychology or
Ps 252	Child Development
Ed 152	Education in the United States
Ed 205	Education of Special Needs Students
Ed 207	Discipline and Classroom Management
Ed 271	Computer Literacy
Ed 221	Methods of Teaching Reading and Language Arts
Ed 222	Methods of Teaching Elementary Mathematics
Ed 223	Methods of Teaching Science, Social Studies and Health
Ed 387	Children's Literature
Ed 26X	*Secondary Methods (in your concentration)
Ed 391	Elementary Student Teaching
*Ed 262	Secondary Methods: English

*Ed 263	Secondary Methods: History and Social Studies
*Ed 264	Secondary Methods: Spanish
*Ed 266	Secondary Methods: Mathematics
*Ed 267	Secondary Methods: Science

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:

Ed 101	Educational Psychology
Ed 152	Education in the United States
Ps 272	Adolescent Development Psychology
Ed 204	Tests and Measurements
Ed 205	Education of Special Needs Students
Ed 207	Discipline and Classroom Management
Ed 271	Computer Literacy
Ed 272	Health in Youth
Ed 342	Teaching Reading and Writing in Content Areas
Ed 395	Secondary Student Teaching

One methodology course from the following:

Ed 262	Secondary Methods: English
Ed 263	Secondary Methods: History and Social Studies
Ed 264	Secondary Methods: Spanish
Ed 265	Secondary Methods: Business
Ed 266	Secondary Methods: Mathematics
Ed 267	Secondary Methods: Science

For Secondary Certifications applicants graduating after July 1, 1993:

Required Courses:

Ed 101	Educational Psychology or
Ps 273	Adolescent Development
Ed 152	Education in the United States
Ed 204	Tests and Measurements
Ed 205	Education of Special Needs Students

Ed 207	Discipline and Classroom Management
Ed 271	Computer Literacy
Ed 272	Health in Youth
Ed 342	Teaching Reading and Writing in Content Areas
Ed 26x	*Secondary Methods (in your concentration)—see above
Ed 395	Secondary Student Teaching

English

Faculty of Communications Studies

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 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 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 Faculty, for the arts (acting, radio-TV, journalism, and cinema).

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

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
En 312	Seventeenth-Century British Literature

Late Seventeenth-Century British Literature through The Romantic Period:

En 313	Restoration and Eighteenth-Century British Literature, or
En 314	The Romantic Period in British Literature

The Victorian Period through Twentieth-Century British Literature:

En 315	The Victorian Period in British Literature, or
En 316	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, or
En 386 Black Writers in America

All English Majors must complete one of areas of emphasis listed below:

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

- En 391 Department Seminar: British Literature, or
En 392 Department Seminar: American Literature

Four courses from the following:

- En 201 Masterpieces of Literature
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 384-385 Studies in Black Literature: Special Topics
En 390 Studies in Literary Criticism: Special Topics
En 398 Independent Study

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, or

- En 175 Introduction to Creative Writing

Students should consult an English major advisor about this emphasis.

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 Language Study
En 375 Advanced Composition
En 388 Young Adult Literature

Finance

*Faculty of Financial Studies,
Government and Law*

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 six credits in related fields. Finance students are advised to take Mt 080 and Mt 110 as part of their required baccalaureate core, since they are prerequisites for certain Finance courses.

Required Courses:

Ac 101-102	Principles of Accounting I, II
Bu 201	Organizational Management
Bu 202	Organizational Behavior
Bu 221	Business Communication
Bu 231	Business Law I
Bu 241	Business Statistics
Bu 257	Business Ethics
Bu 301	Business Policy
Ec 202	Principles of Economics II
Ec 302	Money and Financial Institutions
Fn 215	Financial Management
Fn 251	Corporate Finance
Fn 315	Investments
Mk 261	Principles of Marketing

Plus two of the following:

Fn 241	Financial Markets: Structure and Performance
Fn 271	Risk and Insurance
Fn 314	Financial Analysis
Fn 316	International Financial Management
Fn 317	Portfolio Management
Fn 318	Current Problems in Finance

Required Supporting Courses:

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

History

Faculty of Humanistic Studies

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.

Major in History

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, or
Hi 002	Western Civilization since 1715
Hi 121	United States History to 1865
Hi 122	United States History since 1865

Three History electives.

Legal Administration

Faculty of Financial Studies, Government and Law

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 legal professionals. This program requires the completion of 51 major credits plus six credits in related fields.

Required Courses:

Ac 101-102	Principles of Accounting I, II
Bu 201	Organization Management
Bu 202	Organizational Behavior
Bu 241	Business Statistics
Ec 202	Principles of Economics II
Lw 101	Criminal Law and Torts
Lw 102	Contracts and Uniform Commercial Code
Lw 121	Legal Research I,
Lw 122	Legal Research/Writing
Lw 161	Legal Office Procedures
Lw 201	Business Organizations and Domestic Relations
Lw 202	Property and Conveyancing
Lw 203	Estates, Probate and Taxation
Lw 399	Independent Law Study, or optional law courses; any combination to total nine credits

Required Supporting Courses:

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

Mathematics

Faculty of Science and Mathematics

The aim of the Mathematics Program 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).

Mathematics Colloquium

Every year several distinguished international scholars from prestigious graduate schools come to the university to talk to students and lecture on topics of various interest in the annual Mathematics Colloquium.

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. 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 151	Introductory Calculus
Mt 152	Mathematical Analysis I
Mt 251	Mathematical Analysis II
Mt 252	Advanced Multivariable Calculus
Mt 261	Linear Algebra
Mt 262	Abstract Algebra
Mt 291	Mathematical Probability and Statistics I
Mt 292	Mathematical Probability and Statistics II, or
Mt 267	Geometry
Mt 351	Real Analysis
Mt 352	Complex Analysis

Required Supporting Courses:

Py 151-152 Principles of Physics I, II

Suggested Elective Courses:

Mt 342	Applied Mathematics
Mt 353	General Topology
Or 381	Mathematical Programming I
Or 382	Probabilistic Models in Operations Research

Minor in Mathematics

The minor in Mathematics requires the completion of 19 credits.

Required Courses:

Mt 151	Introductory Calculus
Mt 152	Mathematical Analysis I
Mt 261	Linear Algebra
Mt 251	Mathematical Analysis II
Mt 291	Mathematical Probability and Statistics I

Minor in Operations Research

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

Required Courses:

Cs 120	Introduction to Applied Computation
Mt 151	Introductory Calculus
Mt 152	Mathematical Analysis I
Mt 261	Linear Algebra
Or 131	Introduction to Management Science
Or 221	Mathematical Models in Management Science
Or 222	Mathematical Programming I

Media Studies

Faculty of Communications 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 understand 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 or other

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 or other
Theory courses:

- Ms 195 Telecommunications: History, Principles, and Practices
- Ms 200 Mass Media: Special Subjects
- Ms 293 Alternative Media
- 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 310 Studies in Sound Environments
- Ms 380 Film Directors
- Ms 381 Images of Women in Film
- Ms 390 Television Genres
- 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.

Medical Technology

Faculty of Science & Mathematics

Sacred Heart University offers a 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.

Medical technology is one of the fastest expanding areas 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. Students in the clinical year of the Medical Technology Program will not pay tuition for that year. An administrative fee will be charged of 8% of that year's tuition.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. The student will be provided with 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 311	Cell Biochemistry
Bi 325	Immunology
Ch 151-152	General Chemistry I, II
Ch 153-154	General Chemistry Laboratory I, II

Required Supporting Courses at the University:

Ch 221	Organic Chemistry I
Ch 223	Organic Chemistry Laboratory I

Required Courses at the Hospital:

Me 301	Clinical Microbiology
Me 302	Blood Banking Immunoematology
Me 310	Hematology
Me 315	Clinical Microscopy
Me 325	Clinical Chemistry
Me 330	Immunological Serology
Me 340	Special Topics in Medical Technology

Modern Foreign Languages
Faculty of Communication Studies

The programs aim 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 French, Gaelic, German, Italian, Japanese, Polish, Russian, and Spanish. 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 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

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

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.

Music

Faculty of Humanistic Studies

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 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:

- Mu 111 Music in Western Civilization
 Mu 112 Music in America
 Mu 121-122 Musicianship I, II

One course in Music History of 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).

Nursing

Faculty of Science and Mathematics

The programs in nursing have been designed to meet a variety of educational needs beginning with initial preparation necessary to enter the profession of nursing through specialization at the master's degree level.

Pre-Nursing

Students planning to apply to a school of nursing receive academic guidance from program faculty and take science and social science courses prior to making formal application to a school of nursing.

Unified St. Vincent's/Sacred Heart Program

Designed for full-time students who wish to earn a bachelor's degree in nursing, the program offers an up-to-date timely and cost effective education. Students apply to both programs simultaneously through a well-defined process. Individual guidance is offered throughout the entire program of

study. Contact the Nursing Program Office for information.

Undergraduate Major in Nursing

The fully accredited RN to BSN program provides registered nurses who have graduated from accredited diploma or associate degree programs educational mobility in a program designed solely for the adult nurse learner.

To receive a Baccalaureate degree in Nursing, RN's must complete 124 credit hours of study, 74 credit hours in prescribed general education courses with a 2.0 quality point average and 50 credit hours in the major. Twenty-three credits are awarded through Validation Exams. The professional major is built upon a core of humanities, social sciences and mathematical 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.

Major in Nursing

Prerequisites:

- Bi 131-132* Anatomy and Physiology I, II
 Bi 161* Introduction to Microbiology
 Bi 005* Introduction to Nutrition
 Ch 090 Principles of Chemistry
 Ch 095 Principles of Organic and Biochemistry
 Mt 050* Modern College Mathematics I
 Ps 101* General Psychology
 Ps 252* Child Development
 Psychology
 So 101* Principles of Sociology

*College level Examination/NLN Exams available.

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 Disorders

Validation of Clinical Skills

Required Courses:

Mt 092	Statistics for Decision-Making
Nu 200	Foundations of Professional Nursing
Nu 251	Health & Physical Assessment
Nu 253	Nursing Diagnosis and Planning
Nu 272	Nursing Management
Nu 351	Family and Community Nursing
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 Nursing Program Director.

Master's Degree in Nursing (MSN). For the BSN nurse who desires a specialization in administration, the program offers courses in both nursing and business. While designed for part-time evening study, full-time study is also available. A non-BSN option is also available. Contact the MSN Program Coordinator for further information.

Philosophy

Faculty of Humanistic Studies

The Philosophy program 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 faculty 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 unsettled 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 worldview 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 Course:

Ph 101 Introduction to the Problems of Philosophy

Political Science

*Faculty of Financial Studies,
Government and Law*

The word politics is derived from the Greek word "polis," the city-state which was the most important community above the family for the ancient Greeks. The terms governor or government stem from the Greek word "kybernetes," the steersman or helmsman of a ship. Then as now, politics and government was concerned with the direction communities take together in confronting and resolving problems.

Today individuals, the nation, and our species face the diverse problems of nuclear war and the environment, terrorism and the economy, civil liberties and foreign policy. The resolution of these and other issues properly occurs through the institutions and processes of politics and government.

Through the study of political science, the student not only is introduced to these issues, but how man in communities—town or city, state, nation or nations—grapples with them. The student also may acquire the traditional hallmarks of liberal education that are so useful in any profession: to analyze critically, reason logically, communicate clearly, and synthesize creatively.

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, there are speakers, conferences, and field trips that offer additional, valid avenues for learning. Student internships in the offices of elected officials, public administrators and others also are 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.

Major in Political Science

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

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
Po 303 Modern Political Ideologies

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.

Psychology*Faculty of Education and Social Behavioral Sciences*

It is the goal of the Psychology Program 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 program 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.

Religious Studies*Faculty of Humanistic Studies*

The Religious Studies program 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 department 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 department advisor.

Social Work

Faculty of Education and Social Behavioral Sciences

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

The major in Social Work is designed to prepare students for responsible and competent professional social work generalist practice at the beginning level and for leadership roles in the social work profession.

Social Work is both a profession and a method of helping. Social Work is a profession which works with individuals, families, groups, organizations 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.

Major in Social Work

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, Ps 101, and So 206 as part of the 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

Sociology

Faculty of Education and Social Behavioral Sciences

Major in Sociology

All Sociology majors must complete a minimum of 33 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, 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. This sequence is also ideal for students who want a double major or want Sociology as a major with a minor in Business or English to enhance their employment opportunities in the fields of Human Resources or Public Relations.

In the Social Research emphasis, 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. Through an internship and/or the Applied Research course, students gain practical experience in doing social research and/or opinion polling.

Students who plan on attending graduate school receive a general preparation 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
So 397	Senior Seminar in Sociology

Related Fields Courses:

All Sociology majors must take three courses in the related fields of Anthropology (other than An 101 or An 102), Psychology, Political Science, or Economics, with no more than two courses in any one field.

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

So 206	Society and Economic Issues
So 215	Social Psychology: Macroprocesses
So 219	Social Change
So 231	Marriage and the Family
So 260	American Minorities
So 281	Human Population Dynamics
So 330	Aging in America

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

So 280	Opinion Polling or So 395
So 390	Data Analysis for the Social Sciences
So 395	Internships Social Research or So 280

Three courses from the following:

So 206	Society and Economic Issues
So 215	Social Psychology: Macroprocesses
So 219	Social Change
So 260	American Minorities
So 281	Human Population Dynamics
So 330	Aging in America

Graduate Work Preparation Emphasis:

In addition to the required major core courses and related fields courses, students who choose the Graduate Work Preparation emphasis must take the following course:

So 390	Data Analysis for the Social Sciences
--------	---------------------------------------

Four courses from the following:

So 185	Social Stratification: Wealth, Status and Power
So 215	Social Psychology: Macroprocesses
So 219	Social Change
So 231	Marriage and the Family
So 260	American Minorities
So 275	Deviance and Social Control
So 281	Human Population Dynamics

Minor in Sociology

The minor in Sociology requires the completion of 18 credits. Students are required to take So 101, An 101 or An 102, and four Sociology electives.

Associate Degree Programs

Based on a commitment to serve the need of the students within the mission of the University, six associate degree programs are offered. The degree programs fall in two general categories: General Studies degree (A.A.) with specialties in 21 different fields and career-based degrees (A.S.) in five fields. Both programs offer the students an associate degree after 60 credits. All programs are designed for upward mobility to earn the Baccalaureate degree. In addition to the specialty courses, each program has its foundation within a liberal arts base.

Associate of Arts in General Studies

This degree is offered with concentrations in Accounting, Allied Health, Art, Biology, Business, Chemistry, Early Childhood Studies, 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, Banking, and Respiratory Therapy.

Associate of Arts (General Studies) Program

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.

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 Faculty of Communication Studies. 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.

The areas of emphasis with required courses are:

Accounting (15 credits)

Ac 101	Principles of Accounting I
Ac 102	Principles of Accounting II
Ac 201	Intermediate Accounting I
Ac 202	Intermediate Accounting II

Ac 3xx	Accounting Elective at 300 level
--------	----------------------------------

Allied Health (60 credits)

Associate of Arts Degree in General Studies with an emphasis in Allied Health

Bi 131-132	Anatomy and Physiology I, II
Bi 161	Introduction to Microbiology
Ch 090	Principles of Chemistry
En 011	Freshman Rhetoric: Shorter Forms
Ps 101	General Psychology-Scientific Aspects
Ps 252	Child Development Psychology
Rs 257	Contemporary Moral Issues
So 101	Principles of Sociology
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. Three elective courses (which may be transferred from the School of Nursing)

Art (15 credits)

Ar 101	Art in the Western World
Four Art Electives.	

Biology (16 credits)

Bi 010	The Nature of Life or
Bi 111	Concepts of Biology I
Bi 112	Concepts of Biology II
Bi 220	Introductory Genetics
Two Biology Electives.	
Ch 050	Fundamentals of Chemistry or
Ch 151-153	General Chemistry with Lab I

Business (18 credits)

Ac 101	Principles of Accounting I
Bu 103*	Business: Its Nature & Environment
Bu 201	Organization Management
Bu 202	Organization Behavior
Ec 101	Introductory Economics or

- Ec 201 Principles of Economics I or
Ec 202 Principles of Economics II
One Business Elective.

*May be waived by permission of chairperson

Chemistry (36 credits)

- Ch 151-153 General Chemistry with Lab I
Ch 152-154 General Chemistry with Lab II
Ch 221-223 Organic Chemistry with Lab I
Ch 222-224 Organic Chemistry with Lab II
Ch 252-254 Analytical Chemistry & Lab
Mt 151 Introductory Calculus
Py 111-112 General Physics I & II

Early Childhood/Psychology (24 credits)

Psychology Courses

Recommended course selections:

- *Ps 101 General Psychology—
Scientific Aspects
Ps 102 General Psychology—
Psychodynamics
Ps 241 Psychology of Personality
Ps 252 Child Development
Psychology (meets liberal arts
requirement)
Ps 311 Abnormal Psychology

*Applies to both Area II of the Core and Psychology concentration.

Other courses in psychology may be taken in lieu of the recommended courses, subject to advisement and approval by the chairperson of the Faculty of Education and Social Behavioral Sciences.

Early Childhood Education Courses

Recommended course selections:

- Ed 101 Educational Psychology
Ed 224 Creative Arts in Early
Childhood Education
Ed 226 Methods of Teaching
Preadademic Readiness
Ed 206 Models and Methods in Early
Childhood Education

Other courses in early childhood education may be taken in lieu of the recommended courses, subject to advisement and approval

by the Chairperson of the Faculty of Education and Social Behavioral Sciences.

Economics (15 credits)

- Ec 201 Principles of Economics I
Ec 202 Principles of Economics II
Three Economic Electives.

English (15 credits)

- One British Literature Course
One American Literature Course
Three English Electives.

French (15-17 credits)

- Fr 011-012* First Year French I & II
Fr 051-052 Intermediate French I & II
Fr 101-102 Advanced French I & II and/or
Fr 111-112 Conversational French I & II
and/or
Fr 215-216 French Readings & Discussion
I & II

*Waived for students with two or more years of high school French.

History (15 credits)

- Hi 001 Growth of Western
Civilization to 1715
Hi 002 Growth of Western
Civilization from 1715
Hi 121 U.S. History to 1865
Hi 122 U.S. History since 1865
Hi xxx History Elective

Italian (15-17 credits)

- It 011-012* First Year Italian I & II
It 051-052 Intermediate Italian I & II
It 101-102 Advanced Italian I & II
and/or
It 111-112 Conversational Italian I & II
and/or
It 215-216 Italian Readings & Discussion
I & II

*Waived for students with two or more years of high school Italian.

Mathematics (16 credits)

- Mt 100 Precalculus

- Mt 151 Introductory Calculus
 Mt 152 Mathematical Analysis I
 Mt 261 Linear Algebra

Media Studies (15 credits)

- Ms 101 Media: The Extensions of Man
 Ms 201 Kenetics: The Studies of Moving Image or Reading Seminar in Mass Communications
 Ms 301 Reading Seminar in Mass Communications
 One Production Course.
 Two Media Studies Electives.

Music (15 credits)

- Mu 111 Music in Western Civilization
 Four Music Electives.

Philosophy (15 credits)

- Ph 101 Introduction to Problems of Philosophy
 Four Philosophy Electives.

Political Science (15 credits)

- Po 121 Introduction to American Government
 Po 122 Introduction to International Relations
 Three Political Science Electives.

Psychology (15 credits)

- Ps 101 General Psychology: Scientific Aspects
 Ps 102 General Psychology: Psychodynamics
 Three Psychology Electives.*

*Only one experiential course may be taken.

Religious Studies (15 credits)

- Rs 101 Introduction to the Study of Religion
 Four Religious Studies Electives.

Sociology (15 credits)

- So 101 Principles of Sociology
 An 101 Physical Anthropology or

- An 102 Cultural Anthropology
 Three Sociology Electives.

Spanish (15-17 credits)

- Sp 011-12* First Year Spanish I & II
 Sp 051-052 Intermediate Spanish I & II
 Sp 101-102 Advanced Spanish I & II and/or
 Sp 111-112 Conversational Spanish I & II and/or Spanish electives.

* Waived for students with two or more years of high school Spanish.

Associate of Science Degree**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:

- Ac 101-102 Principles of Accounting I, II
 Bu 201 Organizational Management
 Ec 201-202 Principles of Economics I, II

Six Liberal Arts electives.

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

- Bu 231 Business Law I (AIB: Commercial Law)
 Ca 021 Effective Communications (AIB: Effective Communications)
 En 011 Freshman Rhetoric: Shorter Forms (AIB: Effective English)
 En 012 Freshman Rhetoric: Longer Forms (AIB: Bank Letters and Reports)

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

Computer Science Program

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 order to advance their careers.

Computer Science Option:

The Associate of Science Degree in Computer Science with a scientific emphasis requires the completion of 60 credits.

Cs 011	Introduction to Computers
Cs 050	Introduction to MODULA 2
Cs 051	Data Structures
Cs 120	Introduction to Applied Computation
Cs 130	Computer Systems
Cs 203	Database Design
Cs 210	Software Engineering
Cs 220	The Analysis of Algorithms I
Cs 240	Introduction to System Programming

Two Computer Science Electives.

Mt 100	Precalculus
Mt 151	Introductory Calculus
Mt 152	Mathematical Analysis I

En 011	Freshman Rhetoric: Shorter Forms
En 012	Freshman Rhetoric: Longer Forms
Three Liberal Arts electives.	

Information Science Option:

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

Cs 011	Introduction to Computers
Cs 047	Quantitative Methods
Cs 050	Introduction to MODULA 2
Cs 051	Data Structures
Cs 130	Computer Systems
Cs 155	COBOL Programming
Cs 210	Software Engineering
Cs 255	Advanced COBOL Programming
Cs 290	Systems Analysis & Design
Cs 295	Information Systems and Organization
En 011	Freshman Rhetoric: Shorter Forms
En 012	Freshman Rhetoric: Longer Forms
Mt 070	Discrete Mathematics
Mt 092	Statistics for Decision Making
Four Liberal Arts Electives.	

Two Computer Science Electives.

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 work under the direction of a licensed attorney and are

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:

Ac 101-102	Principles of Accounting, I and II
Bu 103	Business: Its Nature and Environment or
Bu 201	Organization Management
Ca 021	Effective Communication
Cs 009	Introduction to Data Processing
En 011	Freshman Rhetoric: Shorter Forms
En 012	Freshman Rhetoric: Longer Forms
Lw 101	Criminal Law and Torts
Lw 102	Contracts and Uniform Commercial Code
Lw 121	Legal Research I
Lw 122	Legal Research/Writing
Lw 161	Legal Office Procedures
Lw 201	Business Organization and Domestic Relations
Lw 202	Property and Conveyancing
Lw 203	Estates, Probate and Taxation
Ps 101	General Psychology: Scientific Aspects
Four Liberal Arts electives.	

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 (medication administration), chest physical therapy, breathing retraining and rehabilitation, cardiopulmonary resuscitation and ventilator and airway management. The respiratory therapist is also trained in pulmonary laboratory techniques including arterial blood sampling and analysis, testing procedures for evaluation of cardiopulmonary disorders and clinical instrumentation.

The Associate of Science Degree in Respiratory Therapy is designed to meet the increasing demand for qualified respiratory therapists. Respiratory therapists are employed in acute care facilities, neonatal and pediatric units, rehabilitation centers and home health care agencies.

The Respiratory Therapy Program is designed to integrate both didactic and clinical skills by offering core courses at the University and also didactic and clinical experience at the primary affiliate, St. Vincent's Medical Center. 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 Credentialing 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. To receive an Associate of Science Degree in Respiratory Therapy, a student must maintain a Q.P.A. of 2.5.
6. While in the clinical phase, students are expected to adhere to the rules and regulations of the medical center.
7. Enrollment into professional courses is only offered to full-time matriculated students.

Required Courses:

Bi 131-132	Anatomy and Physiology I, II
Bi 161	Introduction to Microbiology
Ch 090	Principles of Chemistry
Ch 095	Introduction to Organic and Biochemistry
En 011-012	Freshman Rhetoric, Shorter and Longer Forms
Mt 050-060	Modern College Mathematics, I, II
Ps 101	Introduction to Psychology
Py 100	Elements of Physics
Rt 010	Introduction to the Field of Respiratory Therapy
Rt 020	Introduction to Respiratory Therapy Technology
Rt 030	Cardiopulmonary Anatomy and Physiology

Rt 040	Respiratory Therapy Pharmacology
Rt 050	Respiratory Therapy: Arterial Blood Gases
Rt 060	Devices Used to Provide Routine Respiratory Care
Rt 070	Clinical Practicum: Routine Respiratory Care I
Rt 075	Clinical Practicum: Routine Respiratory Care II
Rt 080	Cardiopulmonary Disease 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	Cardiopulmonary 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.

Academic Policies and Regulations

The Academic Year

The academic calendar consists of two 15-week semesters. The semester is offered each day and evening throughout the semester. The University year in varying course formats. The University uses the semester credit system of awarding credits. Lecture time for the semester credits is generally 50 minutes per week for a semester. For a laboratory course, a longer period of laboratory work is required. The semester is divided into two semesters in each year. The semester is divided into two semesters in each year. The semester is divided into two semesters in each year.

Registration

During regular scheduled registration periods, students are required to select their courses with being in an academic status and a minimum of 12 credit hours. The registration schedule is available from the Office of the Registrar. Hours: Monday - Tuesday, 8:30-5:00 PM. 830-4-XXXX.

New students interested in attending the University should contact the Office of Admissions and Enrollment. Information prior to registration for academic enrollment and a petition to the University by calling (800) 4-XXXX.

Full-time Enrollment

The normal credit load for full-time students is 12 or 15 credits. Any student wishing to enroll in a course must first be registered for the course. The University requires that students maintain a minimum grade point average (GPA) of 2.0. Students with a GPA below 2.0 may be required to withdraw from the course. The University requires that students maintain a minimum grade point average (GPA) of 2.0. Students with a GPA below 2.0 may be required to withdraw from the course.

Course Withdrawal

If withdrawal from a class or school becomes necessary, students should obtain an official Withdrawal Form from the Registrar's Office. Official withdrawal is necessary for the proper grade calculation. The withdrawal form must be submitted to the Registrar's Office. The withdrawal form must be submitted to the Registrar's Office. The withdrawal form must be submitted to the Registrar's Office.

Auditors

Auditors are students who attend classes without earning credit. They must register for the course as "auditors." No credit is granted for audited courses. The University requires that auditors maintain a minimum grade point average (GPA) of 2.0. Students with a GPA below 2.0 may be required to withdraw from the course. The University requires that auditors maintain a minimum grade point average (GPA) of 2.0. Students with a GPA below 2.0 may be required to withdraw from the course.

Academic Policies and Regulations

The Academic Year

The academic year consists of two 15-week semesters. Courses are offered both day and evening. In addition to the traditional formula, courses are offered throughout the year in varying course formats. The University uses the semester credit system of awarding credits. Lecture time for one semester credit is generally 50 minutes per week for a semester. For a laboratory course, a longer period of laboratory work is required for a semester credit.

Registration

During regularly scheduled registration periods, students are required to select their courses with help from an academic advisor, and select one of the several payment plans available. The registration schedule, course offerings, and registration forms are available from the Office of the Registrar:
Hours: Monday-Thursday, 8:30-8; Fridays, 8:30-4.

New students interested in full-time study must apply to the Office of Admissions for matriculation prior to registration. For an appointment, contact the Office of Admissions: (800) 333-8934.

New part-time students should contact the Office of Graduate Studies and Continuing Education prior to registration for academic counseling and application to the University by calling 1-(800) 288-2498.

Full-time Overloads

The normal credit load for full-time students is 12 to 17 credits. Any student wishing to

take more than 17 credits must appeal to the Assistant Vice-President of Academic Affairs and University Registrar.

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 refunds 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 Registrar's Office. Official withdrawal is necessary to assure proper grade 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. A student's failure to properly withdraw will result in the issuance of a withdrawal failure (WF grade). Phone withdrawals are not accepted. Unofficial withdrawals do not cancel an account.

Auditors

Students wishing to audit courses must register for the courses as "auditors." No credit is granted for an audited course. Each faculty member can determine the course work required for the course. The University can restrict auditors from certain courses. No student will be permitted to change from audit to credit after the first week of the semester. Auditing fees are listed in the tuition section of the catalog.

The System of Grades

The undergraduate system of grades, along with quality points issued for each grade, is presented below.

Grade	QP/ Credit
A	4.00
A-	3.75
B+	3.50
B	3.00
B-	2.75
C+	2.50
C	2.00
D+	1.50
D	1.00
F	0.00
W	0.00
WF	0.00
I	0.00

I 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 I can be extended with the approval of the professor.

A grade below "C" is not an acceptable grade in rhetoric, communications, 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.

Academic Forgiveness

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. 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

Credits Completed	Minimum Grade
	Point Average
0-25	1.5
26-40	1.6
41-55	1.7
56-75	1.8
76-90	1.9
over 90	2.0

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

Normal Progress

No. Full-Time Semesters Completed	Student Status	Credits Completed
2	Freshman	0-23
4	Sophomore	24-53
6	Junior	54-83
8	Senior	84-120

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 the undergraduate program 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 equipment and all forms of academic dishonesty, including any form of copying other people's work, 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 through appeal to the Office of the Academic Vice President.

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 re-enrolling in the University. For

more information, contact the Office of the Assistant Vice-President and University Registrar.

Policy for Taking Courses at Other Institutions

All matriculated students must obtain the written approval of the Assistant Vice President and Registrar to take courses at other institutions. If the course is a major requirement, the written advice of the faculty chairperson must be submitted to the Assistant Vice-President and University Registrar when requesting approval.

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

International Student Visa Certification

All international students requesting an application for a student visa (F-1) must be accepted to the University in a full-time program of study. Since federal and/or state financial aid is not available to international students, the student is also required to present certified evidence of sufficient funding to cover education and living expenses. If after attending the University, the student decides not to return, notification must be made in writing to the Assistant Registrar. If a student wishes to travel during the time he is authorized to study at the University, he must present his current 1-20 to the Assistant Registrar for certification one week prior to departure. Any student not following the regulations of the U.S. Department of Justice, Immigration, and Naturalization Service are considered

out of status and may be subject to deportation from the United States.

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 Vice-President for Academic Affairs. Completed applications should be returned to the Academic Affairs Office. 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: Modern Foreign Languages, Mathematics, English Composition and Speech. The University officials to be contacted are the chairpersons of the Faculty of Communications and the Faculty of Science and Mathematics. 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 credits through CLEP or LWX.

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 Vice-President for Academic Affairs for a waiver of that requirement.

Major Requirements: Substitutions for required major courses can be made only with the recommendation of the faculty chairperson for the major discipline and the permission of the Vice-President for Academic Affairs. 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 discipline. The faculty chairperson can recommend to the Vice-President for Academic Affairs, the reduction of one-half of the major courses in residence.

Others: On occasion, a required course is cancelled by the University; therefore, the faculty chairperson in consultation with the Assistant Vice-President for Instruction may substitute a comparable requirement, preferably in the same or similar discipline. These substitutions must be filed in writing with the Registrar's Office.

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 with the Assistant Vice-President for Academic Affairs and University Registrar at least one semester before completing the degree. Failure to comply might result in a delay of receiving the degree by a semester.

The Commencement Convocation is held once a year in May. Only students who complete their degree requirement by Commencement will be permitted to participate in the ceremony.

Change of Curriculum

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 \$3.00 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.

Academic Programs and Resources

students are eligible for the Honors Program in their freshman year based on:

1. SAT scores totaling 1300 or higher, or all high scores on the University placement test.
2. High school transcript and placement test scores which reflect a strong academic background.
3. An interview with the Honors Program Director.
4. A curriculum which includes one or more honors courses.

Students who do not meet the above criteria may still be eligible for the Honors Program after their freshman year based on:

1. Recommendation from faculty.
2. A J.C.P.A.
3. An interview with the Honors Program Director.

Eligibility for the Honors Program is determined by the Honors Program Director. Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

The Honors Program is a challenging, rigorous program of study for students who have an interest in their academic work. Classes are small and encourage critical, independent thinking.

With permission of the department, Honors courses may be used as credit toward the student's major or minor in the Honors Program. Honors courses are also available for students who are not in the Honors Program.

Students who are not in the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Students who are not eligible for the Honors Program may still be eligible for the Honors Program by completing the Honors Program application form every year and by maintaining a 3.0 GPA or better in Honors courses.

Special Academic Programs

Honors Program

The Sacred Heart University Honors Program offers challenging, interdisciplinary courses for students who have excelled in their academic work. Classes are small to encourage critical, independent thinking. With permission of the department, Honors courses may be used as credit towards the core, a major, or a minor. In keeping with University practice for all courses, no Honors course can be used for both major and core credit simultaneously, although an Honors course may be used for both core and minor credit. Part-time day students are also eligible to enroll in the Program. The objective of the Honors Program is to provide an intellectually challenging experience for students who demonstrate high potential for interdisciplinary learning.

Specific goals of the program are to:

1. Define a student's ability to speak and write clearly and professionally.
2. Acquaint students with the literacy, artistic, historical, scientific, and philosophical ideas and events which shape culture and society.
3. Develop an ability to think logically, analyze objectively and synthesize clearly.
4. Promote an appreciation for and willingness to consider ideas from an interdisciplinary perspective.
5. Instill a respect for and interest in learning, inquiry, and scholarship.
6. Encourage self-directed, independent learning and thinking.

The Honors curriculum is composed of several courses designed specifically for the Program. Honors-level courses integrate material from diverse fields or focus on one

topic from a variety of perspectives. The Program also helps defray the expenses of the Honors students who undertake independent scientific or cultural projects.

Honors Program Policy Guidelines

Students are eligible for the Honors Program in their Freshman year based on:

1. SAT scores totaling 1000/or exceptionally high scores on the University placement tests
2. High school transcripts and recommendations which indicate that they are Honors candidates
3. An interview with the Director of the Program
4. An entrance essay administered and evaluated by the Director

Students are eligible for Honors courses and the Honors Program after their Freshman year based on:

1. Recommendations from faculty
2. A 3.2 QPA
3. An interview with the Director
4. Completion of EN 012 and CA 021

Students will be required to maintain their status in the Honors Program by enrolling in the prescribed sequence of Honors courses every year and by maintaining a 3.2 QPA and B or better in Honors courses.

Minor in Honors

Students who complete a minimum total of 18 Honors credits will receive an Honors Minor. Upon graduation students will receive a certificate of completion in the Honors Program, in addition to a notation on their transcript.

Honors Lecture Series

During the course of a semester, guest speakers from both inside and out of the University are invited on campus by the Honors Director to address students and faculty on topics of general interest which are not ordinarily included in the curriculum.

Honors Extracurricular Activities

In order for the students enrolled in the Honors Program to enhance their learning experience, an Honors Club has been established to coordinate discussion groups, field trips, and cultural activities. Club members will be invited to attend Regional and National Honors Conferences.

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. A maximum of six credits will be permitted towards the Baccalaureate degree. Normally, Independent Study is 3 credits.

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.

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, English, humanities, mathematics, and the social sciences, 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 chairperson of the Faculty of Mathematics & Sciences.

Pre-Law Program: There is no prescribed pre-law course required for admission to law school. If you are interested in law as a career, you are advised to secure a strong education in the liberal arts. The Pre-Law Advisor will help design a pre-law program and will aid in 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 38 other states.

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

Since the certification programs are complementary to the core curriculum and the 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 re-learn. The Education programs are conducted in cooperation with many southwestern Connecticut public and private school systems.

Contact the chair of the Faculty of Education and Social Behavioral Sciences for information.

A Unified Nursing 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 prepare students for professional nursing at the baccalaureate level.

Sacred Heart University's Nursing Program and St. Vincent's Medical Center School of Nursing have established a dynamic cooperative mobility program leading to a B.S. with a nursing major.

Having met the requirements for licensure as a registered nurse at St. Vincent's, the student continues along the educational pathway at Sacred Heart's innovative nursing program until the B.S. degree requirements are met.

Both programs are state approved and accredited by the National League for Nursing.

Students at St. Vincent's School of Nursing are required to take 34 general education credits in addition to their nursing courses to qualify for the nursing diploma and become eligible to take the State Board Licensing Examination for the registered nurse. The B.S.N. is also available to registered nurses who have graduated from other schools of

nursing. For further information contact the Director of Nursing Program.

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 Department 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.

The Office of Graduate Studies and 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 Graduate Studies and 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 Office of Graduate Studies and Continuing

Education 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. Please contact the director of Freshman English to acquaint yourself with these policies.

The University offers nursing 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 Nursing Programs Office.

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 and programs. 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 Office of Graduate Studies and 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 Office of Graduate Studies and Continuing Education, along with the application fee. The portfolio is then referred to the appropriate faculty for a determination of any credit award. The portfolio is referred to two instructors who teach the particular course(s) for which the student is applying. In addition, some programs review the portfolio as a committee, while other departments prefer to test the student in the particular subject matter.

After the faculty members or faculty committee has evaluated a portfolio, it is then reviewed by the faculty chair and Assistant Vice-President for Instruction. A letter of award is prepared by the Academic Vice President.

For additional information concerning LWX, please contact the Department of Continuing Education.

Co-Op Internship Program

The experiential education program at Sacred Heart University joins campus and career in an exciting and dynamic way through paid co-op placements and academic credit internships. By working in

professional settings, students gain practical experience, test out their career goals and develop self-confidence and professionalism.

Paid co-op opportunities offer students a set hourly wage. That wage and the number of hours to be worked are flexible. Typically, placements require up to 20 hours per week. Many of these opportunities continue beyond one semester.

Unpaid internships are completed by students for academic credit. The length of the internship and the number of credits to be awarded are negotiable. Typically, these placements last for one semester and involve up to 20 hours per week. In order to take advantage of such opportunities, the student must secure a faculty advisor.

Requirements for participation in the Co-op/ Internship Program are that the student have an overall grade point average of 2.8 or above and have completed a minimum of 30 semester hours. Graduating students must apply no later than the application period prior to the **start** of their senior year. All students are required to complete a learning contract, interview evaluation and Student Description of Placement.

Organizations employing co-op/internship 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. The dynamic involvement of students, University, and employers provides special benefits to all participants. **WORK, LEARN, AND GROW TOGETHER** is the philosophy of the program.

Sacred Heart 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. Therefore, the University is continually looking to develop and expand

opportunities in this area. Information can be obtained by contacting the Career Services staff at 371-7975 or by stopping by the office which is located on the second floor of the Campus Center.

Workshop Skills Center

The Center is a place where students at every academic level and from every discipline can come to develop their oral and written communication, and reading and study skills. The focus of all our work at the Center is on the main member of the University community—the student and his or her learning development.

The Center, on a drop-in or referral basis, provides free individual instruction, small group workshops, independent learning programs and a variety of A-V materials, textbooks and handouts to enable students to develop, improve and expand their writing, speaking, listening, reading and study skills.

At the Center students receive individual and personalized instruction on the papers, assignments, readings and test preparation that is required of them in all their courses. Very often, we have found that the student's own materials create our best programs.

Students of every ability and from every discipline attend the Center. The valedictorian comes for help in preparing the valedictory speech; economics and social work majors attend workshops on research skills; a class of philosophy students attend a workshop especially designed for them; business and biology majors come for advice on writing reports; and freshmen come regularly for assistance in writing their essays and papers.

Trained faculty and peer tutors make up the staff of the Workshop Skills Center. These tutors will help you plan a program of study based on your individual needs and goals. The staff at the Center is thoroughly professional, student-oriented and committed to the work of the Center.

The Center is located in Rooms S200, S201 and S202 in the Academic Center.

Basic Studies Program

The year-long Basic Studies Program 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 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

English as a Second Language (ESL) Program

The ESL Program meets the needs of those students who speak a language other than English.

The program includes:

- A. Placement testing
- B. A registration interview and summer college orientation
- C. A personal advisor to provide academic counseling on a weekly basis
- D. Individual and small group tutoring at the Workshop Skills Center in reading, writing and study skills
- E. A specially designed program in ESL language study and communications.

Special Remedial Program

Occasionally a student enters the University with skills less than collegiate level. The University offers remedial courses in

English (En 007, Basic Studies: Reading and Writing Skills; En 005-006, Freshman Rhetoric; College English for Foreign Speakers) and Mathematics (Mt 005, Basic Mathematics or Mt 006, College Algebra) to raise these skills.

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

Once placement has been determined students are obliged to accept their placement and course sequence. Additional testing is required for students identified for ESL placement. The University deems this policy crucial in meeting the needs of the students and their success in college.

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 reproduction/process cameras, headline units, typesetting facilities, Macintosh computers, laser printer, light tables, artograph projectors, air brushes, mounting presses, and a small darkroom equipped for black and white photographic processing.

Biology Laboratories

The University has four biology laboratories, two climate-controlled greenhouses, and a microbiology preparation laboratory. The laboratories are designed for courses in descriptive and experimental work on human anatomy and physiology, cell physiology, genetics, animal and plant biology/ physiology, and environmental studies. Modern equipment is available for such techniques as electrophoresis, spectrophotometry, high-speed centrifugation, recombinant DNA, multitemperature incubation, radioisotope counting, oscillography, histological preparations, animal and

plant growth-physiology experiments, and aquatic and terrestrial environmental studies.

Special equipment includes a Warburg tissue respirometer, an electronic analytical balance, automatic pipetting equipment, an Ikegami TV microprojector, 20 Olympus compound binocular microscopes, 20 Bausch and Lomb dissecting microscopes, a multipurpose Swift fluorescent microscope, three Apple II microcomputers, and other supporting equipment suitable for undergraduate instruction and research.

Chemistry Laboratories

There are six laboratories serving the needs of general, inorganic, organic, physical, analytical, instrumental analysis, and biochemistry. These laboratories contain the following major equipment: Perkin-Elmer Lambda 3B, Cary 15, and Beckman DB-GT UV/visible recording spectrophotometers; Perkin-Elmer 137 and 237B Grating Infrared Spectrometers, a Varian T60 nuclear magnetic resonance spectrometer; a Perkin-Elmer 373 atomic absorption spectrometer; an elemental analysis instrument package that includes a Perkin-Elmer 240C elemental analyzer, a Perkin-Elmer 240 data station, a Perkin-Elmer 650 terminal, and a Cahn 29 microbalance; two Perkin-Elmer 3D HPLC systems; a Gow-Mac 550P programmable gas chromatograph; a PARC 254A polarographic analyzer/stripping voltammeter; a Johnson Matthey magnetic susceptibility balance; a Jenway PFP7 flame photometer; Eberbach electrodeposition equipment; a stainless steel and a Plas Lab acrylic glass dry box; a Virtis Unitrap II freeze dry lypholyzer; a Mettler micro-balance; several IBM and Apple microcomputers; and other supporting equipment suitable for undergraduate research.

Computer Science Facilities

The TIE/Communications Computer Science Wing was completed in November, 1985. This modern computer center was

designed to facilitate learning by having advanced equipment placed in a contemporary setting and having both operators and faculty available in the immediate vicinity. The main lab contains a Digital VAX 11/750 computer with 60 terminals; three RA81, 400 + megabyte disk units for storage; a TU80, 6250 density, nine-track tape drive for backup; and a laser printer to assure high-quality output. The VMS operating system provides batch and interactive access to various compilers, editors, and software including: COBOL, APL, C, PASCAL, FORTRAN, MODULA 2, BASIC, EDT. Also available is a MIPS M/120 RISC computer with 25 terminals, one SCSI 328 megabyte disk drive, and a 120-megabyte tape drive for backup. The MIPS M/120 is running the UNIX operating system and the programming language ADA, which has been adopted by the Department of Defense as its standardized programming language.

The Computer Center also supports the access to Yale University's two IBM 4341 computers through 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 eight megabytes of memory shared by users for batch processing and time-sharing sessions. A 6.3 gigabyte pool of on-line disk storage for files provided with 10 IBM 3380 disk volumes. 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 in timesharing sessions. For use with this computing service, a wide complement of programs, 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.

Two microcomputer classrooms are available for hands-on instructional use. One classroom consists of 20 IBM personal computers with dual floppy disk drives and four printers. The second classroom consists of five personal computers, 15 AT compatible, and four printers. In addition to the two microcomputer classrooms, there are 21 IBM PC's and PC compatible computers with fixed disks which are available in the VAX Lab for general student and faculty use. The Computer Center is constantly upgrading to maintain a state-of-the-art facility.

Library

Sacred Heart University Library is open a minimum of 86 hours per week during the academic year, including evenings and weekends. Professional librarians are available at all times at the reference desk to answer questions and assist students with research. Instruction sessions are also conducted for class groups to make them familiar with the library and with the research process. The librarians provide guidance to a variety of resources, including 144,500 print volumes, 1,077 periodical titles, and over 60,500 pieces of non-print material such as videotapes, audiocassettes, phonodiscs, microforms, filmstrips, and slide sets. The reference staff also performs online subject searches of automated data bases for students. Other online access provides information on location of material not owned by Sacred Heart Library. Such items can be borrowed from other libraries through interlibrary loan.

Facilities include an Apple computer lab, microform readers and reader/printers, typewriters, cassette players, a video playback unit, turntable, slide projector, filmstrip viewer and several photocopy machines.

Media Studies Facilities

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

Sacred Heart has both student-run and professionally-operated FM radio stations. Students present rock music, news and public affairs programs to their peers on WWPT, a 390-watt station at 90.3 FM. WSHU-FM, a 12,500-watt station at 91.1 FM, is qualified by the Corporation for Public Broadcasting and is a recognized member of National Public Radio, one of only two such stations in Connecticut and 275 nationwide. WSHU-FM offers classical music, news and public affairs to listeners of Fairfield County, Connecticut and parts of Long Island, New York. The station's production and on-air studios, record library and newsrooms serve as learning laboratories for students.

Modern Language Laboratory

The Modern Languages offers a modern and up-to-date laboratory which provides the students with ample opportunity to hear a variety of native speakers, practice and reinforce language and phonological patterns, copy master tapes, record and hear their voices. A selection of recordings of great writers and literary critics as well as topics concerning culture and civilizations are available.

Furthermore, the language laboratory has a television and VCR for students to become acquainted with the culture, history, and literature of other countries through the wide collection of video cassettes owned by our university.

Psychology Laboratories

The Psychology 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.

Additional Facilities

Sacred Heart also furnishes Chubby's Lounge and Hawley 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.

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 components are involved in activities.

SHU-String Community Music Center

The SHU-String Community Music Center provides non-credit music instruction for students of all ages: grade school, college level, adults and senior citizens. Private lessons in violin, viola, cello, double bass, classical and popular guitar, recorder, voice and piano are offered, as well as classes for pre-schoolers and computer-assisted music. The faculty, some of whom are also University music faculty, are all outstanding artist-teachers. The school provides an opportunity to enrich the quality of life through the study and performance of music. The SHU-STRING FACULTY ENSEMBLE is the University's resident ensemble.

Student Services and Student Life at Sacred Heart

The Vice President for Student Services, Dr. [Name], oversees the office providing professional counseling, medical testing, on-campus employment interviews, workshops, and direct centers of activities during the year.

Campus Ministry

Dr. [Name] oversees the campus ministry activities of all faith, spiritual needs of members of the community within the University Community. The ministry serves our students and staff through daily liturgies, pastoral counseling, and special events and programs. Our Campus Ministry also reaches out to the wider community in a variety of ways, including a weekly Sunday Mass.

Health Services

The Health Services department provides a variety of services to students and staff, including a variety of health services, such as physical examinations, health counseling, and health education. The department is particularly active in providing services to students with disabilities.

University Center for Women

The University Center for Women encourages and promotes the educational, intellectual, and personal goals of women at Sacred Heart. The Center sponsors a variety of presentations and open houses and offers personal counseling and support groups for those in need.

The Dean of Students, Dr. [Name], oversees the student life activities of the university. The Dean's office provides a variety of services to students, including a variety of health services, such as physical examinations, health counseling, and health education. The department is particularly active in providing services to students with disabilities.

University Counseling Center

The University Counseling Center is a personal counseling center for the University community. It offers direct therapeutic support to students in difficulty and also serves as a resource for faculty and staff who are working with students. The Center emphasizes crisis intervention, short-term counseling for support, and extensive referral to other services. In addition, the Center sponsors workshops on a variety of

The University Counseling Center is a personal counseling center for the University community. It offers direct therapeutic support to students in difficulty and also serves as a resource for faculty and staff who are working with students. The Center emphasizes crisis intervention, short-term counseling for support, and extensive referral to other services. In addition, the Center sponsors workshops on a variety of

Student Services and Student Life at Sacred Heart

Vice-President for Student Services

A total college education is one that extends beyond the walls of the classroom and outside the pages of the textbook. Sacred Heart's Student Services Division addresses the non-academic aspects of a student's college experience. Under the direction of the Vice-President for Student Services, we offer a wide range of support services and a full program of co-curricular and extra-curricular activities. Our goal is the development of a well-rounded student, prepared for life outside the classroom.

Dean of Students

The Dean of Students assists the Vice-President for Student Services in administering the Division of Student Services. Specifically, the Dean of Students implements the student disciplinary system, supervises new student orientation, and assumes general responsibility for student activities. The Dean also interviews students who plan to withdraw from the university and serves as advisor to handicapped students and international students on campus.

University Counseling Center

The University Counseling Center is a personal counseling Center for the University community. It offers direct therapeutic support to students in difficulty and also serves as a resource for faculty and staff who are working with students. The Center emphasizes crisis intervention, short-term counseling for support, and extensive referral to area services. In addition, the Center sponsors workshops on a variety of

topics and directs a number of peer support programs.

Career Services

The Career Services Office at Sacred Heart assists students and alumni in life/work planning. The staff helps students and alumni to assess their goals, interests, and abilities, and to analyze and use the opportunities available to them. Among other services, the office provides professional counseling, interest testing, on-campus employment interviews, workshops and direct referrals.

Campus Ministry

The Campus Ministry strives to meet the spiritual needs of members of all faiths within the University Community. The ministry serves our students and staff through daily liturgies, pastoral counseling, and special events and programs. Our Campus Ministry also reaches out to the wider community in a variety of ways, including a weekly Sunday Mass.

Health Services

Health Services at Sacred Heart places strong emphasis on health education. In its commitment to prevention, each year the office sponsors a variety of health and fitness programs, health-related classes, and a Health Fair. Health Services also offers support programs for specific health concerns and maintains facilities for first aid and general health services.

University Center for Women

The University Center for Women encourages and promotes the educational, intellectual, and personal goals of women at Sacred Heart. The Center sponsors a variety of presentations and open houses and offers personal counseling and support groups for those in need.

Security

Among its other duties, the Security Office is responsible for insuring the safety of all those on campus. Security enforces the various University regulations and serves the community in a variety of ways, providing support and security at receptions and other activities.

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 four areas: 1) Intercollegiate sports for men, in which varsity teams compete in baseball, basketball, football, lacrosse, soccer, and volleyball; 2) Intercollegiate sports for women, in which varsity teams compete in basketball, soccer, softball, volleyball, and cross country; 3) Open recreation, in which athletic equipment and facilities, for basketball, volleyball, and a universal gym are made available to the entire University Community; and 4) Intramural activities, which include flag football, basketball, softball, and golf.

The University is a member of the NCAA Divisions II and III, the ECAC, and the NECC. The athletic program has gained respect at the local, regional, and national levels as evidenced by its participation in 13 NCAA men's basketball tournaments, six NCAA softball tournaments, and one NCAA men's Division II National Basketball Championship ('85-'86).

Activities Office

The Activities Office, in conjunction with the Student Programming Board, plans, oversees, and schedules a variety of extra-curricular activities, both on- and off-campus. The Office also serves as a center for information about events and organizations on campus. Activities also distributes ID cards and annual activity stickers. For more information about any of these services, contact the individual office or consult the Student Handbook.

Student Life at Sacred Heart

To gain as much as possible from their college years, we urge all of our students to join with others on campus in our varied extra-curricular life. We sponsor a wide range of social activities from intramural sports to dances and off-campus trips.

Students are also encouraged to take advantage of the many lectures and cultural offerings on campus each semester. Located close to New York City and New Haven, Sacred Heart offers easy access to the many cultural and social activities these two cities offer.

To encourage friendship and school spirit, Sacred Heart also offers a wide range of student clubs and organizations. For more information on activities and organizations, please consult the Student Handbook.

Course Descriptions

The Office also provides a variety of information about events and activities on campus. Activities also include those on campus. Activities also include those on campus.

Activities also include those on campus. Activities also include those on campus. Activities also include those on campus.

Activities also include those on campus. Activities also include those on campus. Activities also include those on campus.

Activities also include those on campus. Activities also include those on campus. Activities also include those on campus.

University Counseling Center

The University Counseling Center is a personal counseling center for the University community. It offers direct therapeutic support to students in difficulty and also serves as a resource for faculty and staff who are working with students. The Center emphasizes crisis intervention, short-term counseling for support, and extensive referral for specialty services. In addition, the Center sponsors workshops on a variety of

Activities also include those on campus. Activities also include those on campus. Activities also include those on campus.

Activities also include those on campus. Activities also include those on campus. Activities also include those on campus.

Activities also include those on campus. Activities also include those on campus. Activities also include those on campus.

University Center for Women

The University Center for Women encourages and promotes the educational, intellectual, and personal goals of women at Sacred Heart. The Center sponsors a variety of efforts and houses open houses and offers personal counseling and support groups for those in need.

Accounting

Ac 101 Principles of Accounting I 3 Crs.

Required as the beginning course for all accounting, business, economic and finance majors. Ac 101 covers financial accounting from transactions analysis through the accounting for cash, receivables, payables, inventory, and plant and equipment. Emphasis is placed on the underlying accounting principles and the manner in which accounting information is processed and utilized in making business, economic and other decisions.

Ac 102 Principles of Accounting II 3 Crs.

A continuation of the study of the principles of financial accounting with emphasis on the financial statements of corporate enterprises. This course includes an introduction to managerial accounting and the development of relevant cost accounting information useful in cost control, pricing, and other business decisions of those engaged in manufacturing operations. Prerequisite: Ac 101.

Ac 201-202 Intermediate Accounting I, II 6 Crs.

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 102.

Ac 301 Advanced Accounting I 3 Crs.

This course examines higher level accounting issues involved with corporate expansions and business combinations. Extensive coverage of consolidations is emphasized, as well as the use of the computer in addressing this process. Prerequisite: Ac 202.

Ac 302 Advanced Accounting II 3 Crs.

Additional sophisticated accounting topics and issues are explored in this course. Included are: branch accounting, multinational accounting (with emphasis on translation and remeasurment aspects), security exchange reporting and partnership accounting. Computer applications are integrated with course materials wherever possible. Prerequisite: Ac 301.

Ac 313 Cost Accounting 3 Crs.

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.

Ac 314 Managerial Accounting 3 Crs.

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.

Ac 321 Auditing I 3 Crs.

A study of the principles of audit practices and procedures used by independent public accountants in examining accounting records and statements. Emphasis is given to "generally accepted auditing standards and procedures," study and evaluation of internal control. Prerequisite: Ac 202.

Ac 322 Auditing II 3 Crs.

This is a continuation of Ac 321. Emphasis is placed on completing the audit engagement; preparation of various audit reports; other reports the CPA may issue; other services offered by CPA's; and the CPA's legal liability as well as professional responsibilities. Prerequisite: Ac 321.

Ac 331 Accounting Information Systems 3 Crs.

In this course the student analyzes the components of accounting systems in terms of the information needs of management.

The emphasis is placed on a systems approach, i.e., highlighting how the parts of a system work together. The use of the computer is included to demonstrate the concepts taught in the course. Prerequisites: Ac 302, Ac 314, Cs 009. Senior standing or permission of the instructor.

Ac 383 Federal Taxes I 3 Crs.

Ac 383 is an introductory course in federal taxation. the history of the federal income tax, the manner in which a tax bill becomes law, methods and sources of tax research and the importance of tax planning are covered. Emphasis is placed on individual taxpayers and the determination of gross income, adjusted gross income, taxable income, filing status and other considerations. Prerequisite: Ac 102 and senior standing or permission of the instructor.

Ac 384 Federal Taxes II 3 Crs.

Ac 384 is a continuation of the study of federal taxation. This course includes the federal income taxation of partnerships, corporations, estates and trusts, and a survey of estate and gift taxes. Prerequisite: Ac 383.

Anthropology**†An 101 Physical Anthropology 3 Crs.**

This course focuses on the nature and interpretation of the fossil and archaeological record for human biological and cultural evolution. Biological variability and adaptability are also explored. Human variation and man's adaption to his environment are also studied.

†An 102 Cultural Anthropology 3 Crs.

The focus of this course is the evolution and diversity of human culture and the way

people live. Research from the fields of archeology, linguistics, and ethnology, all of which deal with cultural data, are used to understand cultural variations, developments and adaptations.

†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 205 North American Indians 3 Crs.

The emphasis in this course is to arrive at an understanding of North American Indian culture which will eliminate the popular, narrow and ahistoric stereotype of this group through the study of the preColumbian development and diversity of North American Indian cultures; the nature of and variations resulting from contact with the Europeans; the impact of European culture and its domination of North American Indian cultures and societies; and the contemporary struggles of North American Indians to reassert their rights and the value of their ethnic heritages. Prerequisite: SO 101 or An 101 or An 102.

†An 231 Anthropology of the Family 3 Crs.

The study of the family as a social institution, primary and fundamental to all other institutions. Traces the development of familial styles and contrasting patterns throughout man's development. Prerequisite: So 101 or An 101.

Art**Ar 010 Stained Glass 2 Crs.**

Basic techniques and practice in stained glass. Includes glass and pattern cutting,

traditional leading, Tiffany or copper foil methods, soldering, antiquing and assembly. Introduction to the classical use of stained glass with focus on contemporary design as related to individual expression and architectural design.

Ar 011 Computer Typesetting 1 Cr.

Concentration on the development of knowledge and skills needed to typeset on computer photocomposition terminals. Learning the basics of type specing, formatting and paste-up is also included.

Ar 090 Foundation Portfolio 1 Cr.

A course required for art majors upon completion of Foundation Courses: Ar 110, 111, 120 and 220. Ordinarily the course is rostered in the 4th semester and MUST be taken prior to enrollment in 300 level studio courses. Scheduled meeting time and procedural instructions will be determined at the first session. Includes instruction in matting and presentation of art work.

†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 105 History of Western Architecture 3 Crs.

The historical development of major

† Core Course

architectural concepts is traced through the evolution of philosophic, political, social, and utilitarian influences.

†Ar 110 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.

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 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 oil or acrylic with emphasis on content, color interaction, and properties of the media. Prerequisites: 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 111 and Ar 120.

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.

Ar 160 Foundations in Illustration 3 Crs.

Explores the use of basic materials and techniques used in graphic illustration. Emphasis on drawing and design for the development of creative concepts and imaginative ideas. Focuses on spot illustrations, comp work, and the use of mixed media. Prerequisite: Ar 220.

Ar 170 Art and History of Books 3 Crs.

The history of the written word from the invention of writing in the Ancient Near East in the fourth millenium B.C. to the present time. Traces the evolution of the form of the book from the clay tablet, papyrus scroll and codex to modern methods of printing, illustration and book production.

†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.

† Core Course

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 207 Art in Europe 3 Crs.

A travel tour designed to expand experiences in art through on-site visits and lectures. Includes supplementary readings, research, and papers. Consult the summer bulletin for destination, time, and cost.

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 typefaces that enhance the thought and idea. Emphasis on type specification, copyfitting and type indication for layout. Prerequisite: Ar 110.

Ar 212 Graphic Processes 3 Crs.

An exposition of printing methods including various processes in platemaking, diecuts,

embossing, full-color process printing, paper basics and current technical innovations. Studio experience in the preparation of art copy for printing production: i.e. paste-ups, mechanicals, overlays, keylining, etc. Prerequisite: Ar 211.

Ar 220-221 Drawing II, III 6 Crs.

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 120.

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.

Ar 222 Drawing and Composition 3 Crs.

An analysis of the major areas of composition and drawing. Expands 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. Prerequisite: Ar 120.

Ar 223 Three-Dimensional Drawing 3 Crs.

A basic rendering course dealing with the illustration of three-dimensional space and forms. Visual processes relating to depth of field, objects in deep space, volume modeling and conceptualizing will be explored. Prerequisite: Ar 110 and Ar 120.

Ar 224 Computer Rendering 3 Crs.

Application of Macintosh computer to drawing and painting concepts and problems. Development of drawing and painting skills using various software programs.

Projects assigned to develop symbol/image interaction with the new medium. Prerequisite: Ar 160.

Ar 230-231 Painting II, III 6 Crs.

Ar 230 continues the development of painting techniques with emphasis on pictorial organization and color sensitivity. Focus on development of creativity and individuality including both objective and nonobjective 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 110 and Ar 111.

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.

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 silkscreen for reproductive purposes will be discussed from both fine art and commercial aspects. Prerequisite: Ar 155.

Ar 260-261 Illustration I, II 6 Crs.

Ar 260 is an introduction to illustration as a communications medium. Development of effective techniques using color 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 090, Ar 111, and Ar 160.

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.

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.

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 090 and Ar 212.

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.

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 212.

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 comprehensive rendering in a manner currently used by freelance and studio artists. Prerequisite: Ar 111 and Ar 220.

Ar 274 Computer Graphic Design 3 Crs.

Introduction to the terminology, concepts and applications of computer-aided graphic design. Through lectures/demonstrations, the advantages and limitations of the Macintosh as a design tool is explored. Primary Focus is on the applications of computer design in the preparing of print material. Prerequisite: Ar 111 and Ar 271.

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.

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 include finished illustrations, a resume of the text, and a layout of text and illustrations. Prerequisite: Ar 260.

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 112 & Ar 271.

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. Prerequisite: All required art courses in major emphasis.

Ar 391 Senior Project 3 Crs.

An in-depth study for painting majors. Encompasses problem solving and tech-

nique indicative of the ability to work as a mature and independent artist includes preparation and organization of a solo show. Prerequisite: All required art courses in major emphasis.

Ar 399 Independent Study 1-3 Crs.

Individual problems performed in a class room or private studio. Students must have completed the most advanced course in the area selected for independent work. Admission arranged in consultation with art program director and art faculty advisor.

Biology**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 a core course.

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 a core course.

†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.

†Bi 020 Heredity and Society 4 Crs.

A course in genetics designed for the nonscience 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 033 Human Biology** 4 Crs.

The human body systems beyond the levels of Bi 010. 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.

†**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.

†**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. Prerequisite: Bi 010 or college biology.

†**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.

†**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.

†**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.

†**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.

†**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 relationships 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.

†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.

†Bi 131-132 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.

Bi 154 Introduction to Medical Technology 1 Cr.

A one semester course dealing with different aspects of medical technology. The course introduces the student to 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 161 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, cultural, and biochemical characteristics, and control of microorganisms. Required for Nursing students. Three hours lecture and one three-hour laboratory period per week.

†Bi 210 Botany 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, and Ch 152-Ch 154 or permission of the department.

†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 152 and Ch 154.

†Bi 220 Introductory Genetics 4 Crs.

A study of Mendelian inheritance, the cytological basis of inheritance, and molecular genetics. Three hours of lecture and two hours of seminar per week. Prerequisites: Bi 112, Ch 152 and Ch 154. Prerequisites for medical technology majors: Bi 111, Ch 152 and Ch 154.

†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, Ch 152 and Ch 154.

†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 correlates of function. The laboratory introduces histological methods and gives practice in the identification of human tissues. Prerequisites: Bi 112, Ch 152 and Ch 154.

†Bi 240 Invertebrate Biology 4 Crs.

A study of the major invertebrate phyla including a consideration of phylogenetic relationships and morphological 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 112, Ch 152 and Ch 154.

†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.

†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.

† Core Course

Three lectures and three hours of laboratory/field work per week. Prerequisites: Bi 112, Ch 152 and Ch 154.

†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 152 and Ch 154.

†Bi 311 Cell Biochemistry 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 112, Ch 222 and Ch 224.

†Bi 312 Systems Physiology 4 Crs.

The physiology of vertebrate systems with emphasis on the human. Topics include cardiovascular, respiratory, neural, muscular, digestive, endocrine, reproductive, and excretory physiology. Laboratory work includes studies of muscle-protein, quantitative neural impulse conduction, quantitative cardiovascular parameters, and a number of other systems. Three lectures and three hours of laboratory per week. Prerequisites: Bi 112, Ch 222 and Ch 224 or permission of the department.

†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.

†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.

†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.

†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 112, Ch 152 and Ch 154.

Bi 360 Internship 3-6 Crs.

A college-level study of a biological topic or of an interdisciplinary project which

would provide majors with an opportunity to gain experience not specifically available in Sacred Heart's biology curriculum.

Directed by an appropriate professional (Internship Instructor) in consultation with a SHU biologist. The student must submit a formal proposal to the chairperson of the Faculty of Science and Mathematics. The internship will be monitored by the SHU biologist, who will assign a course grade in consultation with the Internship Instructor.

†Bi 370 Natural Resource Management 4 Crs.

An inquiry into methods of resource management 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.

†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 152 and Ch 154.

†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.

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 323.

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.

Business Management

Bu 103 Business: Its Nature and Environment 3 Crs.

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** 3 Crs.

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. 1 History credit.

Bu 201 Organization Management 3 Crs.

An interdisciplinary study of managerial decision making utilizing behavioral and quantitative approaches. Included among the topics are decision making, motivation and behavior, leadership, group behavior, organizational change, planning, control,

and allocation resources. Lectures and case studies. Prerequisite: Bu 103, En 012, Mt 080 and Sophomore standing.

Bu 202 Organizational Behavior 3 Crs.

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 3 Crs.

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 3 Crs.

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 011, En 012, and Ca 021.

Bu 231-232 Business Law I, II 6 Crs.

A general survey of law, including the legal system, courts and court procedures, the law of contract, agency, partnership, corporations, sales and employment. Prerequisite: En 012 and Ca 021.

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. Prerequisites: Grade of C or better in Mt 080 and in Mt 110.

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. Prerequisite: Ph 101 and Bu 201 for business majors.

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 and Senior standing.

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.

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.

Communications**†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. May be taken for area B1 credit.

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.

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 research paper are required. Prerequisites: Ca 021, En 012, or permission of the instructor.

Ca 171-271 Acting I, II 6 Crs.

An exploration of 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 or her 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. Prerequisites: En 011, En 012, and Ca 021.

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. Prerequisite: Ca 021.

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. Prerequisite: Ca 021.

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. Prerequisite: permission of instructor.

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. Prerequisite: Ca 021.

Chemistry**†Ch 015 Chemistry for the Artist** 4 Crs.

For art majors or minors: the subject matter includes 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.

†Ch 025 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.

†Ch 035 Consumer Chemistry 4 Crs.

The chemistry of consumer products is explored. 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.

†Ch 040 Introduction to Environmental Chemistry 3 Crs.

The study of the basic principles of chemistry and its impact on the environment is discussed. Topics include the energy and material sources of food products, production, air and water pollution and agriculture and food products, plastics and household products. Emphasis is on contemporary problems and the outlook for their solution. One three-hour lecture per week.

†Ch 050 Fundamentals of Chemistry 4 Crs.

The basic principles of chemistry are discussed. Topics examined are: physical properties of matter, laws of chemical change, kinetic molecular theory, atomic weights and molecular formulas, 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.

†Ch 060 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 050 or equivalent.

†Ch 065 Food Chemistry 4 Crs.

A basic survey of the chemistry of various types of food will be discussed. Topics include: photosynthesis, carbohydrates, proteins, lipids, vitamins, food colorings, fermentation, fruits and vegetables, milk, and meat products. Other areas of discussion include flavor, food additives, food safety, FDA requirements, calories, and food analysis. Three hours of lecture and two hours of laboratory/discussion per week. Prerequisite: One year of high school chemistry, Ch 050 or equivalent.

†Ch 070 Chemistry: the Central and Interdisciplinary Science 4 Crs.

The overlap of chemistry with other fields of science and technology is demonstrated by such hybrid topics as cosmochemistry, marine chemistry, fuel chemistry, nutrition, forensic science, and archaeology. Applications of chemistry and its central role and importance to mankind and society is demonstrated through essays on chemistry and warfare, medicine, food, consumer goods, arts, and human behavior. Two 75-minute lectures and one two-hour laboratory/discussion per week. Prerequisite: One semester of chemistry.

†Ch 090 Principles of Chemistry 4 Crs.

The fundamentals of chemistry and its role and importance to the health sciences. Topics include: units of measurements,

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.

†Ch 095 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.

†Ch 151 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 050 or equivalent or permission of the chairperson. Corequisite: Ch 153.

†Ch 152 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 151 and Ch 153. Corequisite: Ch 154.

Ch 153 General Chemistry Laboratory I 1 Cr.

Laboratory experiments are illustrative of the basic concepts presented in Ch 151, General Chemistry I. Experiments include qualitative analysis of cations and anions. One three-hour laboratory period per week. Corequisite: Ch 151.

Ch 154 General Chemistry Laboratory II**1 Cr.**

Laboratory experiments are illustrative of the basic concepts presented in Ch 152, General Chemistry II. Experiments include volumetric and gravimetric methods of analysis. One three-hour period per week. Corequisite: Ch 152.

†Ch 221 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 152 and Ch 154. Corequisite: Ch 223.

†Ch 222 Organic Chemistry II**3 Crs.**

A continuation of Ch 221. 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 221 Corequisite: Ch 224.

†Ch 223 Organic Chemistry Laboratory I**1 Cr.**

Basic techniques in organic chemistry such as extraction, distillation, re-crystallization, thin layer chromatography, gas chromatography, etc. are studied. Organic synthesis is a major part of the laboratory work. One three-hour laboratory per week. Corequisite: Ch 221.

† Core Course

Ch 224 Organic Chemistry Laboratory II**1 Cr.**

This is a continuation of Ch 223. Organic synthesis is the major portion of this course. Multistep organic syntheses using a wide variety of organic reagents and some important functional group analyses are carried out. One three-hour laboratory per week. Prerequisite: Ch 223 Corequisite: Ch 222.

Ch 225 Introduction to Biochemistry**3 Crs.**

The basic concepts in biochemistry are included. The chemistry of nucleic acids, proteins, lipids, carbohydrates, vitamins, and minerals is discussed. The role these chemicals play in metabolic pathways eventually producing elaborate structures of living organisms is introduced. Emphasis is made on understanding various applications of biochemistry in industry. Prerequisite: Organic Chemistry.

Ch 235 Chemical Applications of Mathematics**2 Crs.**

This course addresses those areas of mathematics that are used extensively in physical chemistry. Topics 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 152 Corequisite: Ch 330 or Ch 331.

Ch 245 Safety in the Chemistry Laboratory**1 Cr.**

This course deals 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 252 Analytical Chemistry 3 Crs.

This course provides 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 221. Corequisite: Ch 254.

Ch 254 Analytical Chemistry Laboratory 2 Crs.

This course provides laboratory experience in a wide variety of volumetric and gravimetric methods. Experiments are designed to correlate with lecture material in Ch 252 and develop proper analytical procedure and techniques in addition to an understanding of the chemistry involved. Two three-hour laboratories per week. Corequisite: Ch 252.

Ch 320 Organic Qualitative Analysis 2 Crs.

Emphasis is on the basic techniques used for the identification of organic compounds. The classic methods of functional group analysis and preparation of derivatives with the use of NMR, IR, and other pertinent spectroscopic methods. One hour lecture and one four-hour laboratory. Prerequisite: Ch 224.

Ch 321 Biochemistry 3 Crs.

Chemical and physical properties of carbohydrates, lipids, membranes, amino acids, proteins, enzymes, and nucleic acids are studied. The major metabolic pathways and enzymology are covered in depth. Two

75-minute lectures per week. Prerequisite: Ch 222. Corequisite: Ch 323.

Ch 322 Clinical Biochemistry 3 Crs.

This course covers the chemistry of 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 321. Corequisite: Ch 324.

Ch 323 Biochemistry Laboratory 1 Cr.

Experiments investigate 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. Three hours of laboratory per week. Corequisite: Ch 321.

Ch 324 Clinical Biochemistry Laboratory 1 Cr.

Methods for the determination of carbohydrates, lipids, enzymes, proteins, electrolytes, hormones, and other substances in body tissues are studied. Techniques used may include chromatography, electrophoresis, spectrophotometry, fluorometry, and electroanalytical methods. Three hours of laboratory per week. Corequisite: Ch 322.

Ch 310 Seminar in Chemical Literature 1 Cr.

A study of the nature of chemical literature and their use and the preparation and presentation of a chemistry seminar. A specific number of literature searches and seminars are a partial fulfillment of this course. Prerequisite: Permission of the chairperson.

Ch 330 Elements of Physical Chemistry 3 Crs.

For students who are considering a career in medicine and 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 221, Ch 223 and Mt 152.

Ch 331 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 151, Ch 153 Mt 152, or Py 122. Corequisite: Ch 333.

Ch 332 Physical Chemistry II 3 Crs.

A continuation of Ch 331. Topics include: chemical reaction rates, electrochemistry, and quantum mechanics. Two 75-minute lectures per week. Prerequisite: Ch 331. Corequisite: Ch 334, Co- or Prerequisite: Mt 251.

Ch 333 Physical Chemistry Laboratory I 1 Cr.

A study of various techniques used to apply the fundamental concepts of physical chemistry to real chemical systems. One three-hour laboratory session per week. Corequisite: Ch 331.

Ch 334 Physical Chemistry Laboratory II 1 Cr.

A continuation of Ch 333. A study of the more advanced techniques of physical chemistry. The aim is to apply the theoretical concepts learned in Ch 332 to real chemical systems. One three-hour laboratory session per week. Prerequisite: Ch 333. Corequisite: Ch 332.

Ch 340 Introduction to Polymer Chemistry 3 Crs.

This descriptive course considers polymer chemistry as a branch of organic chemistry. It is designed to broadly introduce 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 222.

Ch 351 Instrumental Analysis 1 Cr.

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 252 and at least one semester of physical chemistry or permission of the instructor. Corequisite: Ch 353.

Ch 353 Instrumental Analysis Laboratory 1 Cr.

This course provides hands-on experience with modern analytical instruments. Laboratory experiments in visible, ultraviolet, infrared, and atomic absorption spectrophotometry, potentiometric, and ion selective electrode methods, electrodeposition, and gas chromatography are performed. One three-hour laboratory session per week. Corequisite: Ch 351.

Ch 355 Advanced Inorganic Chemistry 4 Crs.

The physical and chemical properties of the elements and their compounds are correlated with their positions in the periodic table. Bonding theory and coordination chemistry are emphasized. A project-type laboratory work is required. Three hours of lecture plus three hours of laboratory per week. Prerequisite: Ch 152.

Ch 360 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 are covered in detail. Visits to industrial plants are part of the course. One three-hour lecture per week. Prerequisites: Ch 222.

Ch 370 Computer Applications in Chemistry 5 Crs.

The main part of the course deals 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 252 and Ch 254.

Ch 390 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. Prerequisite: permission of the instructor.

Ch 393 Undergraduate Project 2-3 Crs.

A special project may be carried out under the advisement of a chemistry faculty member either in the junior or senior year. Pre-requisite: Ch 070 or permission of the department chairperson.

Ch 395 Undergraduate Research 2-3 Crs.

Research may be carried out under supervision of a chemistry faculty member either in the junior or senior year. The course may be repeated. Prerequisite: 3.0 average and/or permission of the department chairperson.

Computer Science

†Cs 009 Introduction to Data Processing 3 Crs.

This course is designed to provide data processing-oriented students or business people with a basic understanding of the

† Core Course

fundamentals of data processing and the functioning of the computer. It will give them knowledge and understanding necessary to communicate effectively and intelligently in the microcomputer-driven business environment of today. For non-computer science majors.

†Cs 011 Introduction to Computers 3 Crs.

Introduction to programming logic using flowcharts, structured flowcharts, and the modular approach; an overview of computers and their functions; an introduction to the use of editors and the command language on the VAX. For computer science majors.

†Cs 013 Introduction to Programming Microcomputers 3 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.

Cs 047 Quantitative Methods 3 Crs.

Examines a range of analytical modeling techniques useful in decision making in the system design environment. Linear programming, queueing models and inventory models.

†Cs 050 Introduction to MODULA 2 3 Crs.

A first course in programming using MODULA 2; topics include iteration, selection, procedures, functions, and arrays with the use of flowcharts and modules; applications in both business and scientific areas.

Cs 051 Data Structures 3 Crs.

A continuation of Cs 050 using MODULA 2 to further implement multi-dimensional arrays and other data structures including

linked lists, queues, stacks, and trees.

Prerequisite: Cs 050.

†**Cs 103 Survey of Microcomputer Software** 3 Crs.

An applications-oriented introduction to the use of Wordstar dBase III and LOTUS 1-2-3 on the IBM Personal Computer. An elective for non-computer science majors.

†**Cs 120 Introduction to Applied Computation** 3 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. Prerequisite: Cs 051.

Cs 130 Computer Systems 3 Crs.

Examination of the hardware and software component comprising computer operating systems. Emphasis placed on the logical elements which allow multi-processing environments to exist. Prerequisite: Cs 051.

Cs 155 COBOL Programming 3 Crs.

An introduction to the COBOL language and its application to solving business oriented data processing problems. Four hours a week of lab required. Prerequisite: Cs 051.

Cs 190 RPG II 3 Crs.

Development of RPG programs as related to practical commercial and industrial applications. RPG II features such as tables, arrays look-ahead force, display, sort/merge, and addrot files are included. Prerequisite: Cs 155.

Cs 203 Data Base Design 3 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 130.

Cs 210 Software Engineering 3 Crs.

Study of software engineering focusing on analysis, requirements, design, implementation, and maintenance. Group projects follow project team concept. Use of automated software tools. Prerequisites: Cs 047, Mt 151, Cs 050.

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 120.

Cs 213 Advanced Micro Computer Software 3 Crs.

Development of Spreadsheet macros and database programs. Program development, file handling, security, documentation, and data base types will be discussed. Prerequisite: Cs 103.

Cs 220 The Analysis of Algorithms I 3 Crs.

The mathematical theory and techniques underlying the analysis of algorithms and applied problem solving. Prerequisites: Mt 152 and Cs 051.

Cs 221 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 152 and Cs 220.

Cs 240 Introduction to Systems Programming 3 Crs.

Techniques for sophisticated programming. Assembly language programming and systems programming languages. Modular construction of big programs. Data structures and storage allocation systems. Prerequisite: Cs 220.

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. Prerequisite: Cs 245.

Cs 255 Advanced COBOL Programming 3 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 155.

Cs 290 Systems Analysis and Design 3 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 210.

Cs 295 Information Systems and Organization 3 Crs.

Establishes the role of information systems in organizations and how they relate to organizational objectives and structure. Uses system point of view and introduces applications for budgeting, accounting, management control, and operational processes. Prerequisites: Cs 290, Cs 210.

Cs 300 Data Communication and Systems Networking 3 Crs.

Development of data communications to the present typical communications, current hardware, and protocol usage. ASYNCH, BISYNCH, SNA/SELCL, and, X-25 protocols. Local area networks, token rings

digital networks, and teleconferencing. Voice and data communication networks. Transmission media development to the present.

Cs 303 Advanced Data Base 3 Crs.

Design considerations in a multi-application data base supporting integrated business systems. Prerequisite: Cs 203.

Cs 310 Linear Algebra with APL 4 Crs.

Develop matrix algebra, linear dependency, analytic geometry, linear programming, Eigenvalues and Eigenvectors. APL, used to get answers to nontrivial problems.

Cs 317 Real Time Systems and Organization 3 Crs.

Examination of the components comprising real time systems. Emphasis based on the human factors affecting the successful implementation of real time systems in organizations. Topics include hardware components and user performance considerations. prerequisites: Cs 290, Cs 300.

Cs 322 ADA Programming 3 Crs.

The history and important features of ADA language. Students will develop ADA program units (subprograms, packages and tasks) using a validated ADA Compiler. Prerequisite: PASCAL, MODULA 2 or C.

Cs 330 Artificial Intelligence 3 Crs.

Overview of the field of A.I. including expert systems, minimax search, alphabeta pruning and game trees. Syntax and procedures of List will be taught and programming projects assigned. Prerequisite: Cs 211.

Cs 340 Compiler Design 3 Crs.

Compiler organization and implementation, code generation and organization, Lexical analysis, formal syntax specification, language theory. Compiler design simulation. Prerequisites: Cs 211, Cs 220.

Cs 350 Microprocessors 3 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 358 Fourth Generation Languages 3 Crs.

Fourth generation products are composed of a number of non-procedural systems that aid both technical and non-technical users. Students will be introduced to nonnavigational database management systems, enduser computing, querring and reporting facilities. Prerequisites: Cs 210, Cs 290.

Cs 360 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. Prerequisites: Cs 155 and Cs 210.

Cs 370 Modeling and Simulation 3 Crs.

Examination of the methods and techniques necessary to build computer based models. Emphasis will be placed on models and simulators used as tools for systems analysis. Techniques covered will include linear programming, statistical analysis risk analysis and "what if" analysis. Prerequisite: Mt 092 or Quantitative Methods, Accounting 101, Cs 210, Cs 290.

Criminal Justice**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 American 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 and 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 1960s and 1970s 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 3 Crs.

This course gives the student a general overview of the corrections system including the historical development of control of human behavior in society. An analysis of the major issues confronting corrections with an emphasis on examining the problems of custody and rehabilitation, procedures for reintroducing the offender to society and the effects of correctional practices on the inmate. Prerequisite: Cj 101.

Cj 221 The Administration of Juvenile Corrections 3 Crs.

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 Treatment of the Adult Offender 3 Crs.

This course includes a survey of adult correctional programs and the examination of the treatment of offenders in various correctional institutions. 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: So 101 or Ps 101 and Cj 101.

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 101.

Cj 231 Criminal Investigation 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 101.

Cj 235 Law of Evidence 3 Crs.

An explanation and analysis of the rules of evidence. The course treats recent U.S. Supreme Court decisions concerning the rights of the citizen against unreasonable search and seizure and the rules for giving testimony and the protecting and safeguarding of evidence. Prerequisite: Cj 230.

Cj 238 Police Administration 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 Organization and Administration 3 Crs.

This course will provide students with a thorough understanding of the organization and administration of security functions within public or private organizations. The course will provide an overview of administrative procedures, corporate management structures, and corporate management philosophy. Problems in allocation, communications, assignments and span of control, etc. will also be examined. Prerequisite: Cj 243.

Cj 242 Computer Security 3 Crs.

This course will explore methods of detecting computer fraud. It will also examine methods of protecting the computer and its peripherals. Prerequisite: Cj 240.

Cj 243 Private Security Law 3 Crs.

This course examines the relationship between the law and private security operations. This includes an examination of such topics as: the law of arrest, the law of search and seizure, temporary detention and inquiries of detained persons, security surveillance of customers and employees, the right to eject persons who abuse their privileges as invitees and criminal law principles of particular concern to security personnel. Prerequisite: Cj 240.

Cj 244 Security & Loss Prevention 3 Crs.

This course surveys all aspects of loss prevention including: techniques for the prevention and control of shoplifting and employee theft; prevention of robbery, burglary and fraud. Consideration is also given to the utilization of surveillance systems, alarm devices and protective services. Prerequisite: Cj 241.

Cj 245 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 explanation for it, the student will be introduced to the "role" of white-collar crime in modern society. Prerequisite: Cj 240.

Cj 270 Issues and Problems in Criminal Justice 3 Crs.

Description and analysis of crucial issues and problems relating to selected structure and processes in the criminal justice system.

† Core Course

Review and analysis of recent studies concerning criminal justice. Prerequisite: Cj 101.

†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 behavior and treatment programs. Examination of factors involved in correctional decision making and innovative management techniques through lectures and readings. Prerequisites: Cj 220.

Cj 321 Probation and Parole 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. Prerequisite: Cj 220.

Cj 330 Police Community Relations 3 Crs.

This course examines various human relations issues that affect policing and police management such as community attitudes towards the police, the emergence of the civil rights and civil liberties movement, community control of police, Civilian Complaint Review Boards etc. The course also explores programs established by the police in community relations and community involvement in police policies. Prerequisite: Cj 230 and So 271.

Cj 339 Police 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: Cj 238.

Cj 340 Physical Security Strategies 3 Crs.

This course provides an in-depth study of contemporary physical security strategies. Students will be able to identify and assess security risks and propose practical crime prevention programs. Topics to be covered include: new concepts in protective lighting and alarm technology; external and internal security considerations; and an overview of the special physical security problems confronted by commercial establishments, hospitals, educational institutions, and office buildings. Prerequisite: Cj 241.

Cj 352/Po 352/Lw 352 The First Amendment 3 Crs.

An examination of Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Attention is given to the balance between liberty and an ordered society. Casework is supplemented with debates regarding a variety of issues involving civil liberties.

Cj 390 Internship 6 Crs.

Supervised placement in a criminal justice agency. Prerequisite: Permission of the program director.

Economics**†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 080.

†Ec 202 Principles of Economics II 3 Crs.

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 080.

†Ec 221 Intermediate Microeconomic Analysis 3 Crs.

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.

†Ec 243 U.S. Economic and Financial Development 3 Crs.

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.

†Ec 272 Urban Economics 3 Crs.

Designed to provide the student with an understanding of the organization and form 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 301 Intermediate Macroeconomic Analysis 3 Crs.

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.

†Ec 302 Money and Financial Institutions 3 Crs.

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.

†Ec 303 Global Macroeconomics 3 Crs.

Examines major macroeconomic relationship in an open economy framework. Special emphasis is given to analytical and empirical aspects of foreign exchange trading, balance of payments and international monetary systems. The analysis provides an understanding of international stabilization policies and their impact on individual firm's plans regarding foreign commodity and capital exchange. Prerequisite: Ec 301.

†Ec 313 Managerial Economics 3 Crs.

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.

†Ec 322 International Economics 3 Crs.

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.

†Ec 341 History of Economic Thought 3 Crs.

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. Prerequisite: Ec 201.

tEc 342 European Economic Development 3 Crs.

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.

†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. Prerequisites: Ec 201 and Ec 202.

†Ec 373 Public Finance 3 Crs.

The role of 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 385 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, or Bu 241.

Ec 390 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.

Education

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 organiza-

tion of education in the United States.

Ed 204 Tests and Measurements 3 Crs.

This course focuses on teacher application and interpretation of educational testing. Norm reference, criterion reference, standardized and teacher constructed testing practices are examined, as well as alternative methods of teacher evaluation.

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 221 Methods of Teaching Reading and Language Arts 3 Crs.

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 226 Methods of Teaching Pre-Academic Readiness 3 Crs.

Methods promoting growth in language, cognition, motor development, and self-help skills will be explored. Special attention is focused on the sequence of math and reading readiness skills, as well as the use of developmental checklists to assess student needs and progress.

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 curricular 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 3 Crs.

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 3 Crs.

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 3 Crs.

A comprehensive study of the principles, methods, and materials for teaching junior and senior high school science. Field experience is required.

Ed 271 Computer Literacy 1 Cr.

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 1 Cr.

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 3 Crs.

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 3 Crs.

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 6 Crs.

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.

Ed 395 Student Teaching Seminar—Secondary 6 Crs.

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.

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

Placement Test Policy Statement

Students registering for English classes must complete the English Placement Exam or present SAT scores before they are allowed to enroll in English courses. Once placement has been determined, students are obliged to accept their placement and course sequence. Additional testing is required for students identified for ESL placement.

All placement is dependent on SAT scores and/or SHU Placement Test results. The University deems this policy crucial in meeting the needs of students and their success in college.

En 005-006 Freshman Rhetoric: 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 and Exit Exam required.

**En 007 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 and Exit Exam required.

**En 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 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 in various modes. English Placement/ Proficiency Test and Exit Exam 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 supple-

mentary 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 011.

**En 170-179 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 story, fiction, non-fiction, free-lance writing, corporate writing, journalism, etc. Prerequisite: En 012.

En 170 Journal Writing 3 Crs.

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. Prerequisite: En 012.

**En 201 Masterpieces
in Literature** 3 Crs.

A course designed for general electives at the sophomore level. Description varies each time it is offered. Prerequisite: En 012 and En 101.

**En 206 Studies in Language:
Special Topics** 3 Crs.

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** 3 Crs.

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** 3 Crs.

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** 3 Crs.

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 theme. The course studies plays as literature meant for stage production. Prerequisite: En 012 or En 101.

**En 250 Literature in a New Land:
American Writing** 3 Crs.

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 or En 101.

**En 255 Early American
Black Literature** 3 Crs.

A consideration of Afro-American Literature from 1790 to 1900, including the slave narratives, the mockingbird school, and folk poetry. Prerequisite: En 012 or En 101.

**En 256 The American
Renaissance** 3 Crs.

The darkness and mystery of both human motivation and nature itself occupied American writers of the 19th century. Primitive beginnings in a sometimes savage new land finally produced literature of profound psychological depth which strangely presages much of the post-Freudian, post-Nietzschean literature of this century. Emphasis on Poe, Hawthorne, and Melville. 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 or En 011.

**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 characteristically American styles and concerns. Defines the problems caused by the exhaustion 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." Prerequisite: En 012 or En 101.

**En 258 From Faulkner
to the Present** 3 Crs.

Modern American literature in content and technique reflects 20th century preoccupation with the loss of faith in an omniscient creator and the rise of individual consciousness, each a creator and center of a world isolated from all other worlds. Current developments in American literature indicate that authors have begun to devise myriad, often amusing ways to overcome the dilemma of radical alienation. Prerequisite: En 012 or En 101.

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 development of Shakespeare as a dramatist while relating his plays to their historical and cultural context in Elizabethan England. Prerequisite: En 012 or En 101.

**En 280-289 Studies in World Literature:
Special Topics** 3 Crs.

Course description varies each time the

course is offered. Prerequisite: En 012 or En 101.

**En 310 British Literature
to 1603** 3 Crs.

A 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 or En 101.

**En 312 Seventeenth Century
British Literature** 3 Crs.

As writer Douglas Bush notes, at the beginning 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 concentration 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, Burton, and Bunyan will also be dealt with. Prerequisite: En 012 or En 101.

**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, Wycherley) and early novelists (Defoe, Richardson, Fielding). Prerequisite: En 012 or En 101.

**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 or En 101.

En 315 The Victorian Period in British Literature 3 Crs.

The course explores the literature of Tennyson, Browning, Arnold, Dickens, Eliot, Newman, Ruskin, Pater, Swinburne, and others. The course focuses on major writers of the period (1830-1901) and their selected but representative texts. Beginning with the poetry and continuing with the prose, the course concludes with studies in the Victorian novel. It examines selected pertinent issues of the Victorian Age, such as the Woman Question, industrialization and its implications, imperialism and form, as well as significant movements—.. Oxford Movement and other Victorian phenomena, including the Pre-Raphaelites, Aesthetes, and the Victorian Theatre—ll expressive of the Victorian Muse. prerequisite: En 012 or En 101.

En 316 Twentieth Century British Literature 3 Crs.

Modernism as it is shaped and constructed the modern classic texts of Conrad, Woolf, Yeats, Joyce, Lawrence, and others receives emphasis in this course. The impact of World War I and II and other significant events also constitutes a large segment of this course. Prerequisite: En 012 or En 101.

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.

† Core Course

En 340-359 Studies in Fiction: Special Topics 3 Crs.

Course description varies each time the course is offered. Prerequisite: En 012 or En 101.

En 370-En 379 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 or En 101.

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 or En 101.

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. Required for all Elementary Education students. This course does not satisfy the literature elective component in the English major.

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. Required for all Secondary Education students in English. Prerequisite: En 012 and/or En 101.

En 390 Studies in Literary Criticism: Special Topics 3 Crs.

Course description varies. Prerequisite: En 012 and/or En 101.

En 391 British Literature Seminar 3 Crs.

This seminar will study the works of and criticism written on a single British author. Limited enrollment: permission of the department chairperson required.

En 392 American Literature Seminar 3 Crs.

This seminar will study the works of and criticism written on a single American author. Limited enrollment: permission of the department chairperson required.

En 398 Senior 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 chairperson will be granted to qualified English majors on the basis of a written prospectus. By special arrangement.

Finance

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.

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 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.

Fn 319 Financial Risk Management: Futures, Options and Swaps 3 Crs.

The course examines the proliferation of off balance sheet products—options, futures, and swaps—and how they can be used to manage interest rate and currency exposure. The history of each market is reviewed. Product description and transaction structures are examined. Case studies are used to work through simulations of real business world applications of these products. Prerequisite: Fn 315; completion of Fn 241 is suggested, but not required.

French

†Fr 011-012 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.

†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.

†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.

†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.

†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 newspa-

pers and magazines to suit individual interests.

German

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.

†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.

History

†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 development of business enterprise in America from colonial times to the present. Topics receiving 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 184 Japan's Economic Miracle: The Economic History of Japan from 1945 to the Present** 3 Crs.

Japanese economic development from 1945 to the present with an emphasis upon the evolution of modern Japanese business methods. Special attention will be paid to the interactions of traditional Japanese

values and practices with specific management strategies and the overall business environment in order to discern the relative contributions of each to the success of Japanese free enterprise.

†**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 America** 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.

Traces 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 19th 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 century, 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 222 The History of Government Regulation in America** 3 Crs.

An examination of the origins, growth, development, and modern day controversy over the role of government regulation of business in the United States. Anti-trust, consumer labor and conservation issues will be examined, and special attention given to consumer protection in contemporary Connecticut.

†**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.

† Core Course

†**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. Such 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 234 Polish History and Culture I** 3 Crs.

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 revolution 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, statesmen, 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 the World 3 Crs.

This course will delineate the influence of e Irish in the American Revolution and 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.

This course examines 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 281 Introduction to the Civilization of East Asia** 3 Crs.

An overview of the history of China and Japan from pre-historic times to the late traditional period (approximately 1800). It is intended to give students a firm grasp of the civilizations of East Asia and their unique characteristics.

†**Hi 282 East Asia in the Modern World** 3 Crs.

This course considers the history of China and Japan from approximately 1800 to the present, special consideration to each nation's development, rise to world prominence, and attitudes toward modernization.

†**Hi 283 The History of Modern China** 3 Crs.

This course considers the history of traditional civilization, the impact of the West, the triumph of communism.

†**Hi 284 The History of Modern Japan** 3 Crs.

This course considers Japanese history since 1800. Decline and fall of feudalism, the remarkable drive toward modernization, the thrust for domination in East Asia and its consequences, and the evolution of Japan as a major economic power.

†**Hi 285 The History of Chinese Communism** 3 Crs.

The history of the Chinese Communist movement from origins in the 1920's to the present. Major topics to be covered will be the foundations of the Chinese Communist Party, its struggle to develop a successful revolutionary strategy and its efforts to

transform China into a modern socialist state.

†**Hi 286 Contemporary China Study Tour** 3 Crs.

The centerpiece of this course is a 2- to 3-week tour of China. It will be organized in conjunction with a series of workshops and seminars designed to develop students understanding of China's recent history, the nature of its society.

†**Hi 287 The Holocaust** 3 Crs.

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 beginning 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 296 Patterns of Revolution** 3 Crs.

A study of the preconditions and circumstances which affected both the theory and the development of "Revolution." It trace the growth of revolutions from early stage in peasant insurrections of the late medieval period and shows how they evolved into more systematic forms by the contemporary 20th century world.

†**Hi 300 The Vietnam War, 1945-1975** 3 Crs.

The history of the war in Vietnam chronologically from the point of view of both the American and the Vietnamese sides. Special

attention will be paid to an assessment of the goals and strategies of American and Vietnamese decision makers, the impact of the war upon a Vietnamese community and the reasons for America's failures; attention will also be focused upon the moral implications of the war by studying its effects upon American military personnel and a Vietnamese community.

†**Hi 322 United States Foreign Policy** 3 Crs.

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 on 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.

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 391 Internship Program** 3-6 Crs.

The history internship program offers qualified students the opportunity of supervised field experience, 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 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.

Hi 399 Independent Study 1-3 Crs.

Directed study of a specific, well-defined topic, by special arrangement with an instructor and with the prior approval of the department chairperson.

Honors

†**Hn 201 Introduction to the Humanities** 3 Crs.

A rigorous examination of selected topics in the humanities, looked at from the perspectives of major works of literature, language, media, art, music, history, philosophy, and/or religious studies.

†**Hn 202 Investigations in the Social and Behavioral Sciences** 3 Crs.

Explores selected topics from the perspectives of the social and behavioral sciences.

†**Hn 203 Special Themes in the Humanities** 3 Crs.

An intensive study of special themes in the humanities that explores issues of the human condition, human identity, destiny, experience, morality or values; or that considers the inter-relationships of cultural

and historical conditions in society; or that looks at how forms of art and literature express central issues of the human condition; or that considers the issues of the human environment and natural or physical world.

†Hn 204 **Investigations in the Natural and Physical Sciences** 3 Crs.

Explores special topics from the perspective of the natural and physical sciences.

†Hn 301 **Honors Seminar** 3 Crs.

An interdisciplinary, team-taught seminar offered at the junior-senior level; provides an in-depth, intensive study of a topic which is not offered as part of the regular University curriculum.

†Hn 302 **Advanced Honors Course** 3 Crs.

An Advanced Honors Course is an in-depth investigation within a single discipline/major. It is not an interdisciplinary course and it is not team-taught.

Hn 303-304 **Honors Thesis Project** 6 Crs.

During Senior year a student may register for Hn 303-304 in order to do the research and preparation for the completion of an Honors Thesis Project. The Honors Thesis Project is a year long independent study project completed under the supervision of a faculty mentor and approved by the faculty chair as well as a committee selected by the student and including the faculty mentor and the Director of the Honors Program.

The student designs the project to fit his/her particular major requirements/needs/interests. The objective of the project is to provide academically talented students with an opportunity: to assume responsibility for their own educational process; to explore, in depth, a topic of interest to them; and to create/achieve/produce some work which demonstrates their scholarly, creative, and

† Core Course

intellectual abilities and efforts. The work may take the form of a long critical essay, works of fiction or poetry, a research or lab report, a field or case or experimental study, a musical or artistic composition, a theatrical production, or a film. Whatever the form, the Honors Thesis Project should demonstrate both the culmination of four years of intellectual growth appropriate to the field in which the student has majored, as well as the student's ability to move beyond ordinary undergraduate work. The student will be asked to present their project to members of their committee and faculty. (The Thesis Project may, with permission of the student's Department, be coordinated with Departmental senior level projects offered within a department.)

Human Resource

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 resources 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 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 bargaining, 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, selfstudy projects suited to their personal needs and interests. Research into recent developments, innovations, and issues in personnel administration. Prerequisite: Permission of instructor.

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.

†It 051-052 Intermediate Italian I, II 6 Crs.

Review and intensified study of structure, reading of short works, vocabulary building, composition, and conversation. Prerequisite: Contemporary It 012 or equivalent.

†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.

†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.

†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 "hira-gana" writing system. Additional language laboratory sessions required.

† Core Course

†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.

Legal Assistant

Lw 101 Criminal Law and Torts 3 Crs.

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. This course must be taken in conjunction with Lw 121 Legal Research I.

Lw 102 Contracts and Uniform Commercial Code 3 Crs.

A general survey of contract 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.

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 come, inheritance, estate and gift tax will be discussed.

**Lw/Po 213 Lobbying and the
Legislative Process** 3 Crs.

Factors which influence legislative decisionmaking, 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 Law of Evidence 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** 3 Crs.

Legal aspects that pertain to employment of personnel/human resources, including 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.

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.
pbxPrerequisites: Lw 101 and Sophomore standing.

**Lw 238 Litigation and
Civil Procedures** 3 Crs.

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 settlement, 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.

The development of sex discrimination as legal and social phenomenon. The law will be covered in terms of its historical perspective. Emphasis will be placed on the developments of the 1960s and 1970s 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 concept 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 product 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.

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, product 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.

Lw 352/Po 352 The First Amendment 3 Crs.

An examination of Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Attention is given to the balance between liberty and an ordered society. Casework is supplemented with debates regarding a variety of issues involving civil liberties.

Marketing**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.

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, element of style and fashion, pricing policies, customer relations, store location, and sources of supply. Retail mathematics including markup, markdown, and turn-over. Prerequisite: Mk 261.

Mk 265 Industrial Marketing 3 Crs.

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

Mk 286 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, product liability, pricing, con-

sumer 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 decisionmaking 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. Prerequisite: Mk 261.

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.

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.

Mathematics

Mt 005 Basic Mathematics (Formerly Mt 099) 3 Crs.*

Fundamental concepts of arithmetic, including whole numbers, fractions and decimals. Algebraic concepts including signed numbers, evaluating expressions, polynomials, linear equations and graphs. (Math Placement Test required.) *Credits do not count toward Baccalaureate degree.

Mt 006 College Algebra 3 Crs.*

Real number system, exponents and radicals, polynomials, rational expressions, linear and quadratic functions and their graphs. (Math Placement Test required.) *Credits do not count towards Baccalaureate degree.

†Mt 050 Modern College Mathematics I (Formerly Mt 001) 3 Crs.

Set theory, logic, systems of numeration, real number system, finite mathematical systems, algebraic concepts, consumer mathematics. Prerequisite: Mt 005 or Mt 006, C or better or equivalent.

†Mt 060 Modern College Mathematics II (Formerly Mt 002) 3 Crs.

Systems of equations and inequalities, matrices, probability and introductory

statistics. Prerequisite: Mt 050 C or better or equivalent.

†Mt 070 Discrete Mathematics
(Formerly Mt 020) 3 Crs.

A course for computer science majors. Topics include: functions algorithms, graphs and trees, formal logic, and matrix algebra. Prerequisite: Two years high school algebra or equivalent.

†Mt 080 Mathematics for Decision Making (Formerly Mt 008) 3 Crs.

Inequalities, functions, matrices, systems of equations, probability, and linear programming. Prerequisite: Mt 006, C or better.

†Mt 090 Probability and Statistics (Formerly Mt 005) 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 testing hypothesis.

†Mt 092 Statistics for Decision Making (Formerly Mt 023) 3 Crs.

This course will emphasize the use of computer software for the analysis of data and the performance of statistical tests.

†Mt 100 Precalculus (Formerly Mt 010) 4 Crs.

For the prospective mathematics, operations research or computer science major without the proper background to take Mt 151. Set theory and symbolic logic. Definition of function and algebra of functions. Polynomial and rational functions and analytical trigonometry.

†Mt 110 Calculus for Decision Making (Formerly Mt 014) 3 Crs.

Limits, differentiation, integration, and applications of the calculus. Prerequisite: Mt 080, C or better.

†Mt 151 Introductory Calculus (Formerly Mt 015) 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 100, C or better, or passing departmental test.

†Mt 152 Mathematical Analysis I (Formerly Mt 016) 4 Crs.

A continuation of Mt 151. 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 151, C or better.

†Mt 251 Mathematical Analysis II (Formerly Mt 104) 4 Crs.

A continuation of Mt 152, introduces 3-dimensional analytic geometry, multivariable calculus, real valued functions of several variables, limits and continuing in 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 152.

Mt 252 Advanced Multivariable Calculus (Formerly Mt 201) 3 Crs.

Mappings from E_n to 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 261 and Mt 251.

†Mt 261 Linear Algebra
(Formerly Mt 103) 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 eigenvalues. Prerequisites: Mt 151 and permission of the department.

Mt 262 Abstract Algebra
(Formerly Mt 221) 3 Crs.

Continuation of Mt 151. Algebraic systems. Group theory, subgroups, cyclic groups, and basic theorems. Quotient structure, isomorphism theorems, ring theory, and ideals. Integral domains. Prime fields and characteristics. Prerequisites: Mt 151-152.

Mt 267 Geometry
(Formerly Mt 222) 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 151.

†Mt 291-292 Mathematical Probability
and Statistics I, II
(Formerly Mt 106-Mt 107) 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 251.

Mt 341 Numerical Analysis
(Formerly Mt 231) 3 Crs.

Solution of equations. Functional interactions of non-linear equations. Polynomial approximations, interpolation, and quadra-

ture. Initial value problems for ordinary differential equations. Matrix inversion and matrix characteristic values. Prerequisite: Mt 152.

Mt 342 Applied Mathematics
(Formerly Mt 232) 3 Crs.

A course to illustrate the principles and basic styles of thought in solving physical problems by mathematical methods. Prerequisite: Mt 252.

Mt 351 Real Analysis
(Formerly Mt 313) 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 252.

Mt 352 Complex Analysis
(Formerly Mt 314) 3 Crs.

The algebra and geometry of complex numbers, metric spaces, analytic functions, integration, and Taylor and Laurent series. Contour integration, analytic continuation, conformal mappings, boundary value problems, and integral transforms. Prerequisite: Mt 351.

Mt 353 General Topology
(Formerly Mt 315) 3 Crs.

Introduction to general topology. Topological spaces, mappings of topological spaces. Compactness, product spaces. Nets and convergence. Prerequisite: Mt 351.

Medical Technology

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 Microscopy 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 applications 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.

Media Studies

†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 perceptive consumer of media output by exploring how each medium codifies reality.

† Core Course

†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.

Ms 195 Telecommunications: History, Principles, and Practices 3 Crs.

The course 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: Special Subjects 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. Classes focus on mastering technical elements of production and developing a familiarity with the grammar of the moving image. First semester requires students to conceive and produce individual final video projects using portable equipment; second semester is built around multi-camera studio productions. 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 8mm filming techniques. Some film will be provided. 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 Alternative Media 3 Crs.

Common experience of mass media typically excludes all but Hollywood films and network or other commercial television. But many films and videotapes are produced independently for artistic, social, political or other non-commercial reasons. This course examines a broad spectrum of such alternative media by means of class screenings and critical discussion.

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 I 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 groups of people and 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 310 Studies in Sound Environments 3 Crs.

Based on the concept that the sounds in which we live affect our perceptions and communications, this course offers introduction to the audio environments created by both natural and technological sources. Topics include soundscape study, noise pollution, basic field recording, and sound effects in mass communications. The work of B. Murray Schafer and Tony Schwartz is basic to the course.

Ms 325 Electronic Journalism II 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 television news magazine, 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 381 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 390 Television Genres 3 Crs.

A study of individual television forms, including the teleplay, the documentary, the docudrama, and the situation comedy. Emphasis is focused on the historical development of the genre, the particular characteristics of the genre which affect its content and style, and meaning of this kind of programming within a cultural context.

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 393 Film Directors 3 Crs.

An examination of individual film authors whose contributions to the history of the

cinema have been especially notable. Film directors will be studied for their stylistic and philosophical innovations, as well as for their historical place in the medium. Each semester a particular director will be chosen for study.

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.

Music

†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 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 study of music of the United States by genre, including folk, popular, jazz and fine art. Emphasis upon cultural context and aural analysis.

†**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 required.

Mu 132 Private Lessons 2 Crs.

Private instruction in selected instruments

or voice. One hour lesson per week. Fee required.

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 212 Topics in Music** 3 Crs.

Study of selected musical styles, genres, or themes. Emphasis on experiencing music through live performance. Topics vary each semester; may be repeated for credit.

Nursing

Nu 200 Foundations of Professional Nursing 3 Crs.

This course is designed as a bridge course to the nursing major and as a forum to facilitate comparison between the scope of practice of the R.N. and the baccalaureate nurse, exploration of selected conceptual frameworks for nursing practice, introduction to the conceptual system of this program and its relationship to the nursing process. Role behaviors of the baccalaureate practitioner will be analyzed and applied.

Nu 251 Health and Physical Assessment 5 Crs.

Utilizing the Dimensional Interaction conceptual framework of the program, this course focuses on the nursing process including comprehensive health assessment with individuals integrating techniques of interviewing, history taking, physical assessment and functional assessment. Adequate data collection and careful

evaluation for diagnostic and planning purposes are stressed.

Nu 253 Nursing Diagnosis and Planning 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 mechanisms of impact, and the health problems that ensue. Prevalent mechanisms of adaptation and pathophysiology will be analyzed to enhance students' assessment activity, diagnostic accuracy, and treatment evaluations for purposes of health-illness screening, health promotion and health teaching.

Nu 270 Power and Politics 3 Crs.

The purpose of this course is to increase the student's ability to utilize political action for affecting 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. Students will develop strategies to influence political bodies considering action which will directly impact the delivery of health care within the State of CT.

Nu 272 Management in Professional Nursing 3 Crs.

This course focuses on the decision-making role of the nurse manager. The emphasis is on the exploration of management, administrative and change processes, and the development of supervisory and leadership skills. In order to effectively influence standards of care and staff productivity, the nurse manager needs a working understanding of the mission, structure, and governance and fiscal management of health care organization. Through lecture discussion, individual reading and case analysis, students will explore the role of the nurse

manager in planning, organizing, staffing, directing and controlling in a group setting.

Nu 275 Working with Groups 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 351 Family and Community Nursing 7 Crs.

This course focuses on the family and community as consumers of health services. The scope of practice of Community Health Nursing includes the individual, family and community and is based on the knowledge from nursing, public health, and the social and behavioral sciences. The different perspectives, sensitivities, and application of knowledge unique to nursing in the home and the community will be identified. The effectiveness of nursing practice will be explored in relation to the problems, priorities, attitudes, and resources of the individual, family, and the community.

Nu 371 Women's Health 3 Crs.

This course will inform students about the broad range of health situations and concerns that most women face during their lifetime. Students will be assisted to recognize how their personal experiences influence professional nursing practice with female clients. Identification will be made of intrinsic and extrinsic factors which affect level of health and resources which can maximize health potential.

Nu 390 Nursing Research 3 Crs.

The purpose of this course is to prepare nurse students to incorporate research, its purposes, method, and outcomes into the practice of professional nursing. At the baccalaureate level, students are expected to critically review research studies and participate in clinical research endeavors. In

order to accomplish this purpose, the student will gain an understanding of the fundamentals of the research process including ethical and legal consideration, study design, use of computers, and how these relate to areas of research needed in nursing. Prerequisite: Nu 200 and Mt 092.

Operations Research

Or 151 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 sector. Prerequisite: Precalculus and permission of the faculty chair.

Or 221 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. Prerequisite: Or 151.

Or 223 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. Prerequisite: Or 221.

Or 381 Advanced Mathematical Programming I (Formerly Mt 401) 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. Prerequisite: Mt 252.

Or 382 Probabilistic Models in Operations Research (Formerly Mt 411) 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: Or 381.

Philosophy

†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. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†Ph 221 Historical Survey of
Philosophy I 3 Crs.

A study of the origin and growth of Western philosophy using the original writings of several philosophers from the ancient and medieval periods. The course will include a general consideration of the importance of the history of philosophy for modern life. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†Ph 231 Philosophy of Knowledge 3 Crs.

A study of the conditions which make knowledge possible and the criteria of truth and falsity. Prerequisite: Ph 101.

†Ph 250 Historical Survey of
Philosophy II 3 Crs.

Focusing upon texts from selected modern and recent thinkers, this course traces the development of Western philosophical thought from the birth of modern science to the twentieth century. Prerequisite: Ph 101.

†Ph 251 Ethics 3 Crs.

An introductory study of the problems, language, and reasoning appropriate to the inquiry into the nature of morality. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†Ph 256 The Philosophy of
Technology 3 Crs.

This course analyzes critically some representative views of the social role of technology. In doing so it addresses two fundamental questions: First, what are the nature and extent of technology's impact on social institutions and individual lives? Second, to what degree is this impact beneficial and to what degree harmful? Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†Ph 260 Woman In
Western Philosophy 3 Crs.

"All the pursuits of men are the pursuits of women also," says Plato. Aristotle insists, however, that woman is inferior to man, and that "this inequality is permanent." In this

course, we will examine critically the tensions between the two schools of thought, as they are reflected in the philosophical writings of the last 2500 years. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†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 reevaluation of classical and traditional morality, namely Marxism, psychoanalysis, and existentialism. An attempt is made to establish a dialogue and a synthesis of these trends. Prerequisite: Ph 101.

†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. Prerequisite Ph 101.

†Ph 306 **Existentialism** 3 Crs.

A study of 19th and 20th century existentialism, especially the thought of Kierkegaard, Nietzsche, Heidegger, and Sartre. Prerequisite: Ph 101.

†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 Heidegger, Merleau-Ponty, and Scheler. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†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. Prerequisite: Ph 101.

†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. Prerequisite 101.

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. Prerequisite: Ph 101.

Polish**†PI 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.

**†PI 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: PI 002 or equivalent.

**†PI 111-112
Conversational Polish I, II 6 Crs.**

Emphasis on conversation and pronunciation, vocabulary and common expression, with some reading and writing. Prerequisite: PI 052 or Departmental permission.

**†PI 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: PI 052 or Departmental permission.

Political Science**†Po 121 Introduction to
American Government 3 Crs.**

This course explores a variety of areas which collectively compose the American

† Core Course

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.**

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.**

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.

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.

The dimensions of presidential elections. Topics include political coalitions, campaign strategy, the role of media and money, conventions, and presidential debates. Problem-solving 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.

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.

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.

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.

A systematic analysis of Third World value systems and the U.S. foreign policy re-

sponse to them. The approach of the course will be based on 14 major reading assignments. Enrollment is limited to 12 with the permission of the instructor.

†Po 285 Future Politics 3 Crs.

An examination of the alternative futures which face America 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 303 Modern Political Ideologies 3 Crs.

An exploration of major political ideologies which guide and shape our thoughts and political lives as well as those of millions globally. Liberalism, conservatism, democracy, socialism, communism, and fascism are among topics addressed.

†Po 305 Political Profiles 3 Crs.

A study of the emergence, personality and impact of major 20th century political figures.

†Po/Lw 321 Public Administration 3 Crs.

A survey 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 Leadership in Organizations 3 Crs.

This course focuses upon the role of leadership in public and private 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. Intended for non-business majors.

†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 recruitments 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 /CJ 200 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 352/Lw 352/Cj 352
The First Amendment 3 Crs.

An examination of Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Attention is given to the balance between liberty and an ordered society. Casework is supplemented with debates regarding a variety of issues involving civil liberties.

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 government. 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.

Production

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 and Bu 201.

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.

Psychology

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 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 060.

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. Prerequisite: Ps 101.

Ps 181 Assertiveness Training 3 Crs.

Theory and applications of assertiveness training, an awareness of self, implications for personal growth. Topics include: theoretical development of behavior therapy, assertiveness training process, development of skills and abilities. Does not satisfy 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 195 Health Psychology 3 Crs.

How psychological factors influence physical health and illness. Discussion focuses on how attitudes and personality factors contribute to the maintenance and recovery of health, and to the development of diseases such as hypertension, coronary heart disease, and cancer. Coping mechanisms, stress management techniques, and behavioral change methods for health promotion and the treatment of illness are also considered. Prerequisite: Ps 101.

†Ps 215 Social Psychology: Microprocesses 3 Crs.

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.

Ps 261—Perception Ps 265—Cognition
Ps 262—Learning Ps 266—Social Psychology
Ps 263—Sensation
Ps 264—Emotions 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 Crs.

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 Crs.

A course aimed principally at the following factors: (1) identification and delineation of contemporary mental health problems and issues; (2) a critical reexamination 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 Crs.

A 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 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 Crs.

This course considers more serious types of disordered behavior, such as schizophrenia, brain damage, retardation, sexual devia-

tions, alcoholism, etc. Prerequisite: Ps 101 or permission of instructor.

†Ps 314 Psychology and Religion 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.

The course presents further dimensions of helping relationship and further theories and approaches to counseling. A major aspect of the course involves critiques of audio tapes of students' counseling efforts. Prerequisite: Ps 285.

Ps 322 Seminar in Interpersonal Relations 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 101.

Ps 331 Psychological Tests and Measurements 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 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 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 is 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. Prerequisite: Ps 101.

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.

† Core Course

Physics

†Py 015 Physics in Daily Life 4 Crs.

An elementary physics course designed for non-science majors. The course will stress application of physics to daily life. Specific topics will include astronomy, clear energy, earth science, satellites, medical applications, and physics in design r structures ranging from bridges to tires. three hours of lecture and two hours of laboratory per week.

†Py 090 Basic Astronomy 3 Crs.

An introductory course in descriptive astronomy for non-science majors. It surveys the universe briefly and focuses on the solar system and recent space explorations. Three hours of lecture. Observations of the sky and/or visit(s) to planetarium are part of the course.

†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, and 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.

†Py 111 General Physics I 4 Crs.

Vectors, forces, uniformly-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 060 or equivalent.

†Py 112 General Physics II 4 Crs.

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.

†Py 151 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 151 and Mt 152 or concurrent enrollment.

†Py 152 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. Prerequisites: Py 151 and Mt 152.

Religious Studies

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.

A 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* 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.

A critical interpretation of the Gospel of John. Prerequisite: Rs 101.

†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 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 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 Church's historical and dogmatic traditions 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* Constructing the Concept of God 3 Crs.

The development of a concept of God appropriate for modern life. The readings will reflect various approaches to the God question and students will be asked to critically dialogue with both the lectures and the reading. Prerequisite: Rs 101.

†Rs 248 Contemporary Protestant Thought 3 Crs.

Barth, Bultmann, Neibuhr, 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.

†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 installation 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 (for undergraduate students only).

†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 269 Computer Technology, Ethics, and Religion 3 Crs.

As the development and use of computer technology continues throughout our society, ethical questions pertaining to information possession, storage, retrieval, and processing are drawing increased concern. Along with these, tensions developing from increased automation continue to mount. Consequently, there is an emerging need for concentrated theoretical and applied ethical education to come to grips with these issues in their depth and complexity. Moreover, a combination of philosophical and religious inquiry is required for comprehensive, realistic treatment in our pluralistic culture. Prerequisite: Rs 101.

†Rs 270* Religion, Business, and Society 3 Crs.

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 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 revelatory dimensions of death to be. Course taken with the permission of instructor. Prerequisite: Rs 101.

†Rs 277 Religious Dimensions of 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 v between the various understandings of the T 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 Film Seminar: Religion In Film 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.

Respiratory Therapy**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 a technology of the profession is also given via lecture and demonstration.

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. Prerequisite: Rt 010.

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. 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. 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. 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. Prerequisite: Rt 020; Corequisite: 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. Prerequisite: Rt 020; Corequisite: 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. Prerequisite: Rt 070.

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. 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.

Detailed training concerning the technology and techniques used to provide critical care life support. Students receive "hands-on" experience with artificial airways, manual resuscitation and mechanical ventilators. This course is integrated with laboratory work and clinical experience. Prerequisite: Rt 060; Corequisite: Rt 110.

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. 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. 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. Prerequisite: Rt 030; Corequisite: Rt 120.

Rt 140 Cardiopulmonary Rehabilitation and Home Care 2 Crs.

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.

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.

Sociology

†So 101 Principles of Sociology 3 Crs.

An introduction to the study of human behavior as shaped by the contexts of groups, society, and culture. The basic terminology, concepts, theories, and methods of sociology as an empirical science are covered.

†So 121 Social Problems 3 Crs.

The practical merit of sociology is demonstrated as current problems, such as drug abuse in American society are explored in terms of sociological concepts, theories, and analyses. Potential solutions to the problems are discussed, as well as the social barriers for successful resolutions. prerequisite: none (not a major course).

†So 185 Social Stratification:
Wealth, Status and Power 3 Crs.

This course focuses on the unequal distribution of wealth, power and prestige in society. Theories of stratification and empirical research findings are analyzed from a critical perspective. Special emphasis is given to the American class structure and its dilemmas. Prerequisite: So 101.

†So 201 Women & Society 3 Crs.

The emphasis in this course is on the contemporary status of women in American society. A brief historical review of the social origins of gender roles is presented. The continued impact of gender differentiation on women's participation in the institutional structures of contemporary society is analyzed. Prerequisite: So 101.

†So 206 Society and
Economic Issues 3 Crs.

This course is designed for anyone interested in understanding the social impact of the capitalist system and the economics of our times. The following topics are discussed with an emphasis on their social dimension: inflation, unemployment, declining productivity, the shrinking of the middle class, poverty, economic factors behind pollution, and the Third World debt crisis. Prerequisite: So 101.

†So 215 Social Psychology:
Macroprocesses 3 Crs.

Emphasis in this course is on the social and cultural forms which influence individual social interaction. The course covers the components of individual social behavior such as self-identity, interpersonal social behavior such as aggression, and social behavior in groups such as discrimination. Prerequisite: So 101.

†So 219 Social Change 3 Crs.

This course examines the dynamics of contemporary social change through the analysis of such factors as the media, population distribution, technological advances, social, political, and religious movements. Changes in the world system are also analyzed. Prerequisite: So 101.

†So 228 The Corporate Society 3 Crs.

The 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.

The family is addressed in terms of structure, roles, and functions. Emphasis is given to understanding family life-cycles, change in motivation to marry, divorce and remarriage, non-traditional relationships, and parenting roles. Prerequisite: So 101.

†So 238 **Sociology of Health and Health Care** 3 Crs.

An introduction to the social nature of illness in contemporary society, the patchwork health care system in the U.S., and the changing roles of health care providers. Special attention is placed on problems associated with rising costs and the increasing unequal care in our medical system. Prerequisite: So 101.

†So 242 **Urban Sociology** 3 Crs.

This course offers an analysis of contemporary changes in urban and suburban patterns. Emphasis is given to issues such as the dislocation of people and work, deterioration, uncontrolled suburban growth, and urban sprawl. Contemporary processes such as gentrification, migration to nonmetropolitan areas, urban, and suburban problems, in housing, commuting, pollution, etc., are discussed. Prerequisite: So 101.

†So 243 **Political Sociology** 3 Crs.

How power, politics, and political movements are shaped by and shape other aspects of society. Topics studied include the connection between wealth, status, and power in the U.S., the birth and struggle of liberation movements, and the form and extent of domination under fascism, capitalism, and communism. Prerequisite: So 101.

†So 260 **American Minorities** 3 Crs.

A sociological analysis of minority status and the life chances of minority groups in the U.S. The course provides the theoretical

framework needed to understand the experiences and relationships of racial, ethnic, gender, age and emerging minorities with the dominant culture. The viability of cultural pluralism in the U.S. is explored. Prerequisite: So 101.

†So 271 **Criminology** 3 Crs.

An introduction to the field of criminology. This course involves an analysis of criminal behavior including a review of theories of crime causation, society's efforts to cope with criminal behavior, the public perceptions of crime and the impact of such perceptions on society's responses to crime and on those labeled criminals. Prerequisite: So 101.

†So 275 **Deviance and Social Control** 3 Crs.

The focal points of this course are: the creation of deviance, the process of becoming deviant, and society's reactions to such issues as civil disorder, crime, mental illness, addiction, sexual deviance, etc. Attention is also placed on the mechanisms for controlling deviant behavior and the degree to which these are effective. Prerequisite: So 101.

†So 276 **Juvenile Delinquency** 3 Crs.

This course examines the social meaning of juvenile delinquency and the diverse types of delinquent behavior such as alcohol and drug addiction, auto theft, violence and others. Theories regarding the causes of juvenile delinquency and the available data on juvenile delinquency are studied. Attention is also given to recent changes in the relevant laws and the juvenile justice system. Prerequisite: So 101.

†So 280 **Opinion Polling** 3 Crs.

This course is designed to give students practical experience in applied survey research. The focus of the course is on telephone interviewing. The rules and

guidelines for asking survey questions, constructing questionnaires, analyzing and presenting data covered. Prerequisite: 6 credits in Sociology (So 101 and permission of instructor.)

†So 281 Human Population Dynamics 3 Crs.

This course emphasizes the short- and long-term social impacts of the growth, distribution, and changing composition of the human population. Topics covered include changing fertility and birth rates, death rates, migration patterns, dependency ratios, sex ratios, and age make-up. These are examined at the local, national, and world levels. Prerequisite: So 101.

†So 291 Methods of Social Research I 3 Crs.

The scientific method as applied in social research. Field research, content analysis, experimental research, and evaluation research. Students review and assess previous studies, conceptualize variables, and analyze available statistics in preparation for the design of their own research. Prerequisite: 9 credits in Sociology (So 101 and two other sociology courses).

†So 303 Sociological Theories 3 Crs.

Analysis of the origins and development of sociological thought in Europe and the United States and its relation to contemporary sociological theory. The theoretical contributions of the major classical theorists up to the middle of the 20th Century are covered. Prerequisite: So 101 and Junior Standing.

†So 321 Contemporary Social Thought 3 Crs.

This seminar follows So 303 and is designed to introduce students to the main currents of contemporary sociological thought such as structuralism,

poststructuralism, critical theory and postmodernism. The major works of Giddens, Collins, Foucault, Habermas, Jameson and Baudrillard are discussed. Prerequisite: C or better in So 303.

†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.

†So 330 Aging in America 3 Crs.

Older Americans represent the fastest growing segment of the U.S. population. How economic and political institutions, families, the health care system, and American culture have responded or failed to respond to this group is explored. A critique of present programs designed for the aged is a key topic. Prerequisite: So 101.

†So 338 Global Health and Illness 3 Crs.

The great disparity of health between peoples of the world is studied. The disparity is explained in terms of the impact of the international economic and political system on the delivery of medical care, the developed nations control of medical technology, and the unequal distribution of food and medicine. The part that the U.S. health care system plays in the global network is also discussed. Prerequisite: So 101.

So 390 Data Analysis for the Social Sciences 3 Crs.

This course covers the techniques for summarizing, describing and analyzing social, behavioral, and criminal justice data. Interpretation rather than calculation is the substance of the course, along with the purposes and the limits of statistical procedures. Social science statistical

software is used in computer applications.
Prerequisite: C or better in Mt 060 (or equivalent), Cs 009.

So 391 Methods of Social Research II 3 Crs.

Continues where So 291 ends. Special emphasis is given to survey research and opinion polling. Sampling and measurement of variables, questionnaire design, data collection, coding and data processing, and use of computer software for statistical analysis are covered. The logic of univariate, bivariate, and multivariate analysis is studied. Students conduct their OWI survey, analyze the data, and write a research report. Prerequisite: So 291.

So 395 Internship in Social Research 3 Crs.

Participation in social research with supervision by faculty of the program. Prerequisite: So 391 and senior standing.

So 397 Senior Seminar in Sociology 3 Crs.

The senior seminar's aim is to give students an opportunity to synthesize their sociological knowledge through researching, writing and defending a sociological thesis. The theme for the seminar will vary from year to year. Prerequisite: Senior standing.

So 399 Independent Study 3 Crs.
Credits and work by special arrangement with sociology faculty.

Social Work

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 underlie this practice. It is the first required

course in the major but is open to all students. Prerequisite: So 101.

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; special needs of minority, ethnic, women, and rural elderly; and the resources for addressing such needs.

Sw 140 Human Sexuality 3 Crs.

This course is designed to explore the issues associated with human sexuality and how they relate to current factors in society. Specifically, the course will explore human

sexuality as an integral part of human functioning and the development of relationships. Content will focus on physiological aspects of sexual functioning; the range of sexual expression; values, attitudes, behaviors, dysfunction, and sexually transmitted diseases. The objectives emphasize self-awareness and comfort with sexual material as prerequisites to the helping process.

**Sw 150 Child Sexual Abuse:
Myths and Realities** 3 Crs.

The purpose of this course is to examine the problem of child sexual abuse in American Society from the historical, legal, moral, and treatment perspectives. Students will be introduced to the various aspects of sexual abuse including preconditions for sexual assault; the general characteristics of victims and perpetrators; and the short- and long-term effects on survivors of child sexual abuse. The class will explore the many forms of sexual abuse. Such as incest, pedophilia, exhibitionism, sexual assault, rape, child prostitution, and child pornography. Students will learn to recognize the indicators of sexual abuse, to formulate assessments and to plan for intervention. Throughout the course, members of the class will be expected to engage in examination of their own values, attitudes, and preconceived notions about child sexual abuse.

**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, Po 121.

**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 010 or Bi 033, Ps 101, So 101 and Sw 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 generalist 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 as a professional 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. Corequisite: 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 from Sw 275 with the examination of modalities which can be used in interventions with individuals, families, groups, communities, and service delivery systems. Emphasis is placed on the study and acquisition of practice, knowledge, values and skills necessary to implement planned change. Prerequisite: Sw 275. Corequisites: Sw 378 and Sw 379.

Sw 378-380 Senior Field Practicum I and II 8 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: evaluation for admission to degree candidacy status. Corequisites: Sw 379 and Sw 381.

Sw 379-381 Senior Field Practicum Seminar I and II 4 Crs.

These two seminars are taken also over a period of two semesters concurrently with Sw 378 and 380. 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 380.

**Sw 390 Research Methods
for Social Work 3 Crs.**

Development of research skills for evaluation of social work practice. Emphasis on familiarity with the language of 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: Junior standing.

Spanish**Sp 008 Spanish for
Health Care Professionals 3 Crs.**

Vocabulary and conversation for people who deal with the Spanish-speaking in hospitals and other health services.

**†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.

**†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.

**†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.

**†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.

†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 05 or equivalent.

†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.

†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.

†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.

†Sp 250 Teatro
Contemporaneo de Espana

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 Garcia-Lorca, Antonio Buero 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. Prerequisite: 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 in 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.**

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 under-

standing 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 is an important aspect of the audiolingual approach to the learning and teaching of the Spanish language. Prerequisite: Sp 241 or permission of the chairperson.

**†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.

**†Sp 361 The Spanish
American Fiction 3 Crs.**

A detailed study of poetry, novels, dramas 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" that is really new, and that has been borrowed and partially changed from the old Spanish-American novel.

Directory

Officers of the Corporation

Most Rev. Edward M. Egan, J.C.D.
Chairman
Robert J. Matura
Vice-Chairman
Anthony J. Cernera, Ph.D.
President
Robert L. Julianelle, J.D.
Secretary
Paul K. Madonna, Ed.D.
Treasurer
Victor R. Coudert, Jr.
Assistant Treasurer

Board of Trustees

The Hon. J. Edward Caldwell, J.D.
Bridgeport, CT
David E. A. Carson
Bridgeport, CT
Anthony J. Cernera, Ph.D.
Fairfield, CT
A. Joan Connor
Stamford, CT
James J. Costello
Wilton, CT
Victor R. Coudert, Jr.
Greenwich, CT
Most Rev. Edward M. Egan, J.C.D.
Bridgeport, CT
Fred C. Frassinelli, Jr.
Bridgeport, CT
Msgr. William Genuario, J.C.D.
Riverside, CT
Dean Gestal
Greenwich, CT
Romelee A. Howard, M.D.
New Canaan, CT
Robert W. Huebner
Fairfield, CT
Robert L. Julianelle, J.D.
Orange, CT
Thomas L. Kelly
Shelton, CT
William J. Kelly
Bridgeport, CT
Douglas L. Kennedy
Trumbull, CT
Most Rev. Basil H. Losten, D.D., S.T.L.
Stamford, CT
Robert J. Matura
Stamford, CT
Christopher McLeod
Stamford, CT
Janis A. Pataky
Stamford, CT
Mary Ann Reberkenny
Nichols, CT
William J. Riordan
Southport, CT

William V. Roberti
Southport, CT
Lois Schine
Westport, CT
Robert D. Scinto
Greenwich, CT
Lloyd Stauder
Trumbull, CT

Life Trustee

Most Rev. Walter W. Curtis,
S.T.D.,
Founder and Chairman Emeritus
Stamford, CT

Trustees Emeriti

Mercedes De Arango, Ph.D.
Greenwich, CT
Prescott S. Bush, Jr.
Greenwich, CT
Robert Delaney, J.D.
Easton, CT
Lester J. Dequaine, L.L.B.
Bridgeport, CT
Charles M. Grace
Santa Monica, CA
James R. Kerr
LaJolla, CA
John McGough
Dover, NJ
Manning Patillo, Ph.D.
Atlanta, GA
Carmen A. Tortora
Fairfield, CT

President Emeritus

Ambassador Thomas P. Melady,
Ph.D.
Rome, Italy

Administration

Office of the President

Anthony J. Cernera, Ph.D.
President
John T. Gerlach, M.B.A.
*Special Assistant to the President
and Director of the Center for
Policy Issues*
Kathleen P. Levin, M.A.
Executive Assistant to the President

Office of Provost & Vice- President for Academic Affairs

Thomas J. Trebon, Ph.D.
Provost & Vice President
Kristen Wenzel, O.S.U., Ph.D.
Interim Associate Vice-President
Alvin T. Clinkscales, M.S.
*Special Assistant for Minority &
Community Affairs*

Alfred J. Goodson, M.S.
*Coordinator of Student Academic
Support Services*
Caryl Ann Rice-Ehalt, M.E.
Director, Upward Bound Program

Office of Academic & Management Computer Systems

Vincent Mangiacapra, M.S.
Director
Paul Sebben, B.S.
Manager, Academic Systems
Shirley Canaan, B.A.
Manager, Administrative Systems

Office of Admissions

James M. Barquinerio, B.A.
Dean
Linda S. Beluk, B.A.
Associate Dean
Suzanne M. Young, B.A.
Assistant Dean
William K. Jenkins, A. B.
Director
Cathleen E. Donnelly, B.A.
*Director of Enrollment
Communications*

Office of Alumni Relations

Laurie A. Bellico, B.S.
Director

Plohn Art Gallery

Sophia J. Gevas, B.F.A.
Director

Office of Athletics

David A. Bike, B.A.
Director
Elizabeth G. Luckie, B.A.
Assistant Director

Office of Career Planning & Placement

Judith A. Filipek-Rittaler, M.S.
Director

Office of Campus Ministry

Rev. Eugene R. Kole, D.Min.
Director
Rabbi Jerome Wallin, M.S., M.A.
Assistant Campus Minister

Office of Counseling Services

Deborah A. Barton, M.S.
Director

Office of Finance & Administration

Paul K. Madonna, Ed.D.
Vice-President
Robert A. Black, B.S.
Controller
Frank E. Hutvagner, M.B.A.
Director of Administration

Office of Financial Aid

Julie B. Savino, B.S.
Director

Ethel P. Zahornacky, B.S.
Financial Aid Officer
Kevin Stevens, B.S.
Financial Aid Counselor

Office of Graduate Studies & Continuing Education

Richard E. Farmer, Ed.D.
Dean
Edward G. Donato, M.A.
Associate Dean, Continuing Education
James E. Brady, Ph.D.
Assistant Dean of Life-Long Learning
Mitchell J. Holmes, M.B.A.
Graduate Admissions Coordinator
Patricia Aquila Klauser, B.S.
Admissions Coordinator
Joseph Levanto, Ph.D.
Director, Sacred Heart University Programs at Lisbon
Michael S. Arnold, M.A.
Director, Sacred Heart University Programs at Stamford
Barbara S. Zuffa, Ed.D.
Coordinator, Sacred Heart University in the Valley

Office of Health Services

Lynn N. DeRobertis, B.S.N.
Director

Office of Human Resources

Edmund J. Garrick, B.S.
Director
Marion P. Warne
Assistant Director
Sofi H. Kapadia, M.S.
Benefits Manager
Kenneth D. Siegel, M.B.A.
Manager

Office of Institutional Advancement

George R. Chappa, B.S.
Vice President for Institutional Advancement and Public Relations
Virginia M. Harris, Ed.D.
Director of Grants
Robert J. Milanichus, M.A.
Director of Development

Library

Dorothy M. Kijanka, M.L.S.
University Librarian
Mary E. Rogers, M.A.
University Librarian
Roch-Josef diLisio, M.S.
Reference Librarian
Edward Farrell, M.L.S.
Reference Librarian
Robert M. Knapik, M.L.S.

Reference Librarian
Bing Li, M.L.S.
Reference Librarian
Donna E. Rhein, M.L.S.
Reference Librarian

Office of Maintenance

John Conway
Superintendent of Buildings and Grounds

Office of Public Affairs

William B. Kennedy, M.A.
Vice-President

Office of Public Relations

Ginny Apple, M.A.
Director
Martha Miller Byrnes, A.B.
Assistant Director, Publications
Donald Harrison
News Writer and Sports Information

Radio Station, WSHU-FM

George J. Lombardi, B.S.
General Manager
Suzanne E. Bona, B.M.
Program Director
Eunice M. McWherter, B.S.
Music Director
Lynn Southard, A. S.
Business Manager
Martha E. Williams, B.A.
Membership Director

Office of the Registrar

Douglas J. Bohn, M.S.
Assistant Vice President for Academic Affairs & University Registrar
Nancy Sidoti, B.S.
Assistant Registrar

Office of Security

[Vacant]
Director

Office of Student Services

Michael Bozzone, M.A.
Dean of Students
Kathleen A. Duggan, M.A.
Director of Student Residence
Margaret A. Farrell, M.A.
Director of Women's Center
Henry W. Krell, M.A.
Vice-President

Office of Student Activities

Thomas E. Kelly, B.S.
Director

Theatre

Fred W. Sailer, B.A.
Business Manager

Full-Time Faculty

* = Tenured Faculty

Rebecca L. Abbott
Associate Professor
Media Studies
B.A., Dartmouth College;
M.F.A., The School of the Art Institute of Chicago

Allana R. Adams
Assistant Professor
Computer Science
B.A., Albertus Magnus College;
M.S., University of New Haven

Darryl C. Aubrey
Chair, Faculty of Management and Computer Science
Assistant Professor
Management
B.Ch.E., Georgia Technical Institute;
M.B.A., Adelphi University

Violette R. Barasch
Assistant Professor
Mathematics
B.A., Montclair State College;
M.S., Rutgers University;
M.S.P.H., D.P.H., University of North Carolina

Anne M. Barker
Director, M.S.N. Program
Associate Professor
Nursing
B.S.N., University of Virginia;
M.S.N., Catholic University of America;
Ed.D., Teachers College, Columbia University

Douglas J. Bohn
Assistant Vice President for Academic Affairs & University Registrar
Assistant Professor
Mathematics
B.S., M.S., Marquette University

***Edward J. Bordeau**
Associate Professor
Philosophy
Ph.B., University of Montreal;
M.A., Ph.D., Fordham University

***Donald W. Brodeur**
Professor
Psychology
B.S., M.S., Ph.D., Fordham University

***Walter E. Brooks**
Associate Professor
Religious Studies
B.A., Boston College;
M.A., Ph.D., Fordham University

***Marian S. Calabrese**
Director, Freshman Communications
Associate Professor

English (Communications)
B.A., M.A., State University of
New York at Albany;
Ph.D., University of Connecticut

Douglas W. Campbell, III

*Assistant Professor
Management*
B.A., University of New Hamp-
shire;
M.B.A., University of Virginia

Patricia H. Carl

*Assistant Professor
Social Work*
B.S., Southern Connecticut State
University;
M.S.W., Ohio State University

***Nicole Xavier Cauvin**

*Professor
Sociology*
B.A., M.A., Ph.D., New York
University

Anthony J. Cerner

*President
Associate Professor
Religious Studies*
B.A., M.A., Ph.D., Fordham
University

Scott R. Colvin

*Assistant Professor
Accounting*
B.A., Westminster College;
M.B.A., Case Western Reserve
University

***Ralph L. Corrigan, Jr.**

*Associate Professor
English*
B.A., Iona College;
M.A., Ph.D., Fordham University

Thomas D. Corrigan

*Acting Chair,
Faculty of Financial Studies,
Government and Law
Associate Professor
Finance*
B.S., M.S., Rutgers University;
Ph.D., University of Maryland

***Robert W. Cuddihoe, Jr.**

*Assistant Professor
Chemistry*
B.S., University of Bridgeport;
M.S., Ph.D., University of
Louisville

Thomas B. Curran

*Assistant Professor
History*
B.A., University of Delaware;
M.A., M. Phil., Ph.D., Columbia
University

***David Curtis**

*Associate Professor
English*
B.A., Rhode Island College;
Ph.D., Brown University

***Raghunath Shashi V. Daté**

*Professor
Management*

B.Ch.E., Bombay University;
M.Ch.E., Oklahoma University;
M.S., M.Phil., Ph.D., Yale
University;
M.B.A., Sacred Heart University

Elaine B. Davis

*Director, Social Work Program
Associate Professor
Social Work*
B.A., Connecticut College;
M.S.W., University of Connecticut

John S. deGraffenried

*Instructor
Art*
B.A., University of Miami

Louis S. DeMichiel

*Director of Clinical Education
Respiratory Therapy
Instructor
Respiratory Therapy*
B.S., University of Hartford

***Raoul DeVilliers**

*Professor
Mathematics*
Ph.D., (Philosophy), Ph.D.,
(Applied Mathematics), University
of Havana, Cuba

***Roch-Josef di Lisio**

*Associate Professor
Art*
B.A., Universite Catholique de
Louvain Belgium;
M.S., Simmons College

Angela DiPace-Fritz

*Chair, Faculty of Communication
Studies
Associate Professor
English*
B.A., Quinnipiac College;
M.A., State University of New York
at Binghamton;
Ph.D., Washington State University

Edward J. Donahue

*Assistant Professor
Psychology*
B.S., Sacred Heart University;
M.A., Fordham University;
M.Phil., Brooklyn College, City
University of New York

Cynthia P. Eberhart

*Assistant Professor
Nursing*
R.N., St. Vincent's Hospital
B.S., M.S., Pace University

Rawlin A. Fairbaugh

*Director, MBA/EMBA
Associate Professor
Management*
B.A., Washington and Jefferson
University;
M.B.A., New York University

Dorothy J. Fishman

*Associate Professor
Nursing*
B.S., M.S., Ed.D., Boston
University

***Ramzi N. Frangul**

*Associate Professor
Economics and Finance*
B.A., University of Baghdad, Iraq;
M.S., Loyola University of
Chicago;
Ph.D., New York University

***Nancy S. Frydman**

*Assistant Professor
Management*
B.S., University of Florida ;
M.A., Southern Connecticut State
College;
Ed.D., Columbia University

***Babu George**

*Chair, Faculty of Science and
Mathematics
Professor
Chemistry*
B.Sc., M.Sc., University of Kerala,
India;
M.S., Niagara University;
Ph.D., University of New Mexico

***William T. Gnewuch**

*Associate Professor
Biology*
B.S., Marquette University;
M.A., Duke University;
Ph.D., University of New
Hampshire

***Sidney P. Gottlieb**

*Professor
English*
A.B., Bates College;
M.A., M.Phil., Ph.D., Rutgers
University

Charlotte M. Gradie

*Assistant Professor
History*
B.A., M.A., Ph.D., University of
Connecticut

***Joseph A. Grau**

*Professor
Religious Studies*
A.B., Ph.L., St. Louis University;
S.T.L., St. Louis University
Divinity School;
M.A., Marquette University;
Ph.D., (S.T.D.), The Catholic
University of America

***Rosemary Green**

*Associate Professor
Biology*
B.A., Trinity College;
Ph.D., Brown University

Richard M. Grigg

*Coordinator, Graduate Program in
Religious Studies
Assistant Professor
Religious Studies*
B.A., University of Iowa;
M.Div., Drew University;
Ph.D., University of Iowa

Frances S. Grodzinsky

*Assistant Professor
Computer Science*
A.B., University of Rochester;

M.A., Ph.D., University of Illinois

***Theodore Gutswa**

Associate Professor

Art

B.A., Jersey City State College;
M.F.A., Pratt Institute

***Dhia A. Habboush**

Professor

Chemistry

B.Sc., University of Baghdad, Iraq;
Ph.D., University of Southampton,
England

Saul Haffner

Associate Professor

Management

B.S., Polytechnic Institute of New
York;

M.B.A., Hofstra University

Barry E. Herman

Director, Program Development,

Graduate Education

Associate Professor

Education

B.S., Southern Connecticut State
College;

M.A., C.A.S., Ph.D., University of
Connecticut

***Thomas H. Hicks**

Associate Professor

Psychology

B.A., Cathedral College;

S.T.B., Catholic University of
America;

M.S.Ed., Iona College;

Ph.D., St. John's University

Sandra S. Honda

Assistant Professor

Computer Science

B.A., C.P.C., M.S., University of
Hawaii

Carolyn J. Humphrey

Assistant Professor

Nursing

B.S.N., George Mason University;

M.S., University of North Carolina

Pearl Jacobs

Director, Criminal Justice Program

Associate Professor

Criminal Justice

B.A., Hunter College;

M.P.A., Long Island University;

Ph.D., Fordham University

***John E. Jalbert**

Professor

Philosophy

B.A., The University of San
Francisco;

M.A., Ph.D., Duquesne University

Susan Jarzombek

Assistant Professor

Finance

B.A., George Mason University;

M.A., The George Washington
University;

M.B.A., New York University

***Robert M. Kelly**

Associate Professor

Accounting

B.B.A., Fairfield University;

M.B.A., University of Bridgeport

C.P.A., State of Connecticut

***William B. Kennedy**

Vice President for Public Affairs

Associate Professor

History

B.A., University of Bridgeport;

M.A., University of Pennsylvania

Dorothy Kijanka

University Librarian

Associate Professor

A.B., University of Illinois;

M.L.S., Rutgers University

***John F. Kikoski**

Associate Professor

Political Science

B.A., Wesleyan University;

M.A., Ph.D., University of
Massachusetts

Kathleen O. Kingston

Assistant Professor

Mathematics

B.S., M.S., Fairleigh Dickinson
University

Rose Marie B. Kinik

Instructor

Mathematics

B.A., Molloy College;

M.A., St. John's University

Estelle Kochavi

Instructor

Mathematics

B.A., Washington University;

M.A., University of Wisconsin

Michael G. Labet

Assistant Professor

Accounting

B.S., Central Connecticut State
College;

M.B.A., Babson College

Michael D. Larobina

Assistant Professor

Management

B.A., Pace University;

J.D., University of Bridgeport

Lois A. Libby

Supervisor of Fifth Year Program

Assistant Professor

Education

B.A., M.Ed., C.A.S., University of
Maine;

Ph.D., University of Connecticut

Stephen J. Lilley

Assistant Professor

Sociology

B.A., College of the Holy Cross;

M.A., Ph.D., University of
Massachusetts, Amherst

Ralph Lim

Associate Professor

Finance

B.S.E., Princeton University

M.B.A., Wharton School,
University of Pennsylvania

***Michelle Carbone Loris**

Director, Workshop Skills Center

Director, Honors Program

Associate Professor

English

B.A., Sacred Heart University;

M.A., University of Bridgeport;
Ph.D., Fordham University

***Edward W. Malin**

Chair, Faculty of Education and

Social Behavioral Sciences

Associate Professor

Psychology

B.A., University of Notre Dame;

M.A., Ph.D., Fordham University

Lawrence D. Mammone

Assistant Professor

Accounting

B.A., Sacred Heart University;

M.B.A., University of Bridgeport

***Robin L. McAllister**

Associate Professor

English

B.A., Wesleyan University;

M.A., Ph.D., Princeton University

***Claude I. McNeal**

Professor

English

B.S., Boston University;

M.F.A., Yale University

***George F. R. Miller**

Professor

Management

B.I.D., M.B.A., Syracuse University

Judith Davis Miller

Director Basic Studies

Associate Professor

English

B.A., Tufts University;

M.A., Western Connecticut State
College;

Ph.D., University of Connecticut

Diana D. Mrotek

Assistant Professor

Management

B.A., M.A., University of
Wisconsin;

Ph.D., Northwestern University

***Edward T. Murray**

Associate Professor

Education

B.S., M.S., Southern Connecticut
State College;

Ph.D., The University of Connecticut

***Lucjan T. Orłowski**

Associate Professor

Economics

M.A., Ph.D., Academy of
Economy, Katowice, Poland

Daniel A. Pannese

Associate Professor

Accounting

B.S., Sacred Heart University;

M.S., University of New Haven;
C.P.A., State of Connecticut

Edward A. Papa
Assistant Professor
Philosophy

A.B., Georgetown University;
Ph.D., State University of New
York at Stony Brook

Thomas J. Pepe
Director, Graduate Programs in
Education
Assistant Professor
Education

B.S., University of Connecticut;
B.A., Southern Connecticut State
University;
M.A., C.A.S., Teachers College,
Columbia University;
Ph.D., University of Connecticut

Domenick Pinto
Associate Professor
Computer Science

B.S., Fairfield University;
M.A., Fordham University;
M.A., Southern Connecticut State
University;
M.S., Polytechnic Institute of New
York

Thomas J. Powers
Assistant Professor
Media Studies

B.A., Yale;
M.A., San Francisco State
University

***Camille P. Reale**
Professor

Management and Graduate
Education
B.S., Central Connecticut State
College;
M.S., Fairfield University

Gerald F. Reid
Director, Center for Ethnic Studies
Assistant Professor

Sociology/Anthropology
B.A., M.A., Ph.D., University of
Massachusetts;
M.A., University of Chicago

***Leland R. Roberts**
Chair, Faculty of Humanistic
Studies

Director, Music Program
Professor
Music
B.Mus.Ed., M.Mus.Ed., University
of Kansas

Mary E. Rogers
Assistant University Librarian
Assistant Professor

B.A., Doane College;
M.A., University of Denver

John B. Roney
Assistant Professor
History

B.A., King's College, New York;
M.A., Wheaton Graduate School;
Ph.D., University of Toronto

***Gary L. Rose**
Associate Professor
Political Science

B.A., University of New Haven;
M.A., Kansas State University;
Ph.D., Miami University

***Mariann Russell**
Professor
English

B.A., St. John's University;
M.A., Ph.D., Columbia University

Dominick Sacco
Assistant Professor
Criminal Justice

B.S., M.P.A., John Jay College;
Ph.D., Fordham University

***Carol D. Schofield**
Director, Newcomer's Program
Associate Professor

Biology
B.S., College of Mount St. Vincent;
M.S., Fordham University;
Ph.D., University of Connecticut

***Christopher B. Sharrett**
Assistant Professor
Media Studies

B.A., LaSalle College;
M.A., Villanova University;
M.A., Ph.D., New York University

***Jean T. Sells**
Associate Professor
Mathematics

B.A., Nebraska Wesleyan
University;
M.A., Ph.D., University of
Minnesota

***Paul Siff**
Associate Professor
History

B.A., Brooklyn College;
Ph.D., University of Rochester

Joseph N. Sladek
Assistant Professor
Accounting

B.S., Fairfield University
M.B.A., Sacred Heart University

Penny A. Snetsinger
Assistant Professor
Chemistry

A.B., Brandeis University;
M.S., University of Illinois;
Ph.D., University of New
Hampshire

Frank Speiser
Assistant Professor
English

B.A., University of Bridgeport;
M.F.A., Yale University

***Roberta Lynne Staples**
Associate Professor
English

B.A., Russell Sage College;
M.A., University of Virginia;
Ph.D., University of Massachusetts

Cecelia K. Szokolczay
Program Director

Respiratory Therapy
Instructor
Respiratory Therapy
B.S., Quinnipiac College

***Christina J. Taylor**
Associate Professor
Psychology

B.A., Sacred Heart University;
M.A., University of Missouri;
M.Phil., Ph.D., The Graduate
School and University Center, City
University of New York

***Maria Teresa Torreira Tenorio**
Professor
Modern Languages (Spanish) and
Graduate Education

B.S., Na sra del Sagrado Corazon,
Madrid, Spain;
M.A., Social Institute Leo XIII,
Ph.D., University of Madrid, Spain

***Alfred G. Tufano**
Professor
Education

B.A., M.A., St. Michael's Seminary,
New Jersey;
M.S., Ph.D., University of
Wisconsin

Barbara S. Tulley
Supervisor of Elementary Student
Teachers

Assistant Professor
Education
B.A., State University of New York
College at Potsdam;
M.A.T., Sacred Heart University

***Christ J. Verses**
Director, Allied Health Sciences
Associate Professor

Biology
B.S., Valparaiso University;
Ph.D., University of Connecticut

***Glee I. Wahlquist**
Director of Nursing
Professor

Nursing
B.S.N., University of Bridgeport;
M.S.N., Ph.D., University of
Pittsburgh

***Grant Walker**
Associate Professor
Sociology

B.A., M.A., Ph.D., Fordham
University

***Laurence M. Weinstein**
Professor
Management

A.B., Bowdoin College;
M.B.A., Ed.D., Columbia
University

***James L. Wieland**
Associate Professor
Religious Studies

B.A., M.A., University of Notre
Dame

Scott Willison
Coordinator, Lisbon Program
Assistant Professor

Education

B.S., Ph.D., Indiana University

Pan G. Yatrakis*Associate Professor**Economics*

B.A., M.B.A., M.Intl.Aff.,

Columbia University;

Ph.D., New York University

Clarke D. Young*Development Assistant to the Vice President for Institutional Advancement**Professor**Management*

B.A., Pennsylvania State College;

M.B.A., Harvard University

Virginia F. ZicCoordinator, Art Program**Professor**Art*

Ph.B., DePaul University;

M.A., Villa Schifanoia Graduate

School of Fine Arts, Italy;

M.F.A., Syracuse University

Barbara S. Zuffa*Coordinator, Sacred Heart**University in the Valley**Associate Professor**Management*

B.S., M.S., University of Bridge-

port;

M.L.S., Southern Connecticut State

College;

Ed.D., University of Bridgeport

Adjunct Faculty**James V. Abate***Adjunct Associate Professor**Education*

B.S.S., M.A., Fairfield University

Roger Agatston*Adjunct Assistant Professor**Management*

B.A., Herbert Lehman College;

M.B.A., Iona College;

J.D., University of Bridgeport

Raymond J. Altieri*Adjunct Instructor**Mathematics*

B.A., Sacred Heart University

Arthur Amend*Adjunct Instructor**Chemistry/Physics*

B.S., Bates College;

M.S., Worcester Polytechnic

Institute;

6th Year, Fairfield University

Thomas R. Anastasio*Adjunct Instructor**Art*

A.F.A., Silvermine College;

B.S., M.A., University of

Bridgeport

Maria Elizabeth Antonini*Adjunct Instructor**Political Science*

B.A., M.A., University of

California, Santa Barbara

Andrzej Anweiler*Adjunct Instructor**Piano*

B.S., Hartt College of Music,

University of Hartford;

M.Mus., Manhattan School of

Music

Robert Austin*Adjunct Instructor**Education*

B.S., Eastern Connecticut State

University;

M.A., Fairfield University;

6th Year, University of Bridgeport

Anne T. Avallone*Adjunct Professor**Nursing*

Diploma, St. Vincent's School of

Nursing, New York;

B.A., Mercy College;

B.S., Seton Hall University;

M.S., St. John's University

Kent S. Baker*Adjunct Assistant Professor**Education*

B.S., Wharton School, University of

Pennsylvania;

J.D., University of Connecticut

School of Law

Richard V. Banks*Adjunct Associate Professor**Management*

J.D., New York Law School;

M.B.A., Fordham University

Edmund L. Barbieri*Adjunct Associate Professor**Education*

B.S., Southern Connecticut State

University;

M.A., M.S., University of

Bridgeport;

C.A.S., Fairfield University;

Ph.D., Union College

Claude Bartel*Adjunct Associate Professor**Finance*

B.S., M.B.A., New York University

Clarence Bastarache*Adjunct Instructor**Computer Science*

A.S., Quinnipiac College;

B.S., Sacred Heart University

Lucille J. Becker*Adjunct Associate Professor**Business (Legal Assistant)*

B.A., Newton School of the Sacred

Heart;

J.D., Fordham University;

Masters of Law, Georgetown

University

Barbara A. Benjamini*Adjunct Associate Professor**English*

B.A., M.A., University of

Bridgeport

David A. Bike*Director of Athletics**Adjunct Assistant Professor**Mathematics*

B.S., Sacred Heart University

Joel W. Block*Adjunct Assistant Professor**Chemistry*

B.S., The Citadel;

M.S., Southern Connecticut State

University;

C.A.S., Wesleyan University

Lenore U. Boles*Adjunct Assistant Professor**Nursing*

B.S., Teachers College, Columbia

University;

M.S., University of Connecticut

Peter Bowe*Adjunct Instructor**Biology*

B.S., Kansas State University;

M.S., University of Connecticut

Michael Bozzone*Dean of Students**Adjunct Associate Professor**English*

B.A., M.A., Fordham University

Pamela C. Bramble*Adjunct Instructor**Art*

B.F.A., University of Connecticut;

M.F.A., Columbia University

Joyce Brennan*Adjunct Instructor**Art*

B.S., M.S., Central Connecticut

State University;

M.B.A., University of Connecticut

Lois Brown*Adjunct Assistant Professor**Office Administration*

B.A., Hunter College;

M.B.A., Pace University

Robert B. Brown*Adjunct Professor**Respiratory Therapy*

B.A., New York University;

M.D., State University of New York

Roberta J. Cable*Adjunct Professor**Accounting*

B.A., Douglass College;

M.B.A., Pace University;

Ph.D., Teachers College, Columbia

University;

C.M.A., Institute of Certified

Management Accountants

Shirley Canaan*Adjunct Instructor**Computer Science*

B.A., Sacred Heart University

Daisy Caraballo-Abreu

Adjunct Professor

Spanish

B.A., M.A., University of Puerto

Rico;

Ph.D., Universidad Nacional

Autonoma de Mexico

Joseph G. Carter

Adjunct Instructor

Music

B.A., University of Bridgeport;

M.A., New York University

David Cattanach

Adjunct Associate Professor

Education

B.S., University of Houston;

M.Ed., University of Hartford;

Ph.D., University of Connecticut

Kon Swee Chen

Adjunct Associate Professor

Chemistry/Physics

B.A., Illinois Wesleyan University;

Ph.D., University of Kansas

Peter Chepya

Adjunct Assistant Professor

*Management/Legal Assistant
Program*

B.A., Loyola, Montreal;

M.A., York University, Toronto;

L.L.B./B.C.L., McGill University,
Montreal

Val Chevron

Adjunct Professor

English

B.S., M.A., New York University

Sidney Cholmar

Adjunct Associate Professor

Management

B.Chem., City College of New

York;

M.B.A., American International

College

Frederick Chryssikos

Adjunct Assistant Professor

Management

B.S., Rutgers University

Joseph J. Cincotta

Adjunct Associate Professor

Chemistry

B.S., Brooklyn College;

Ph.D., City University of New

York

Richard T. Coburn

Adjunct Associate Professor

English

B.A., University of Connecticut;

M.A., University of Bridgeport;

Ph.D., University of Connecticut

Nita S. Cohen

Adjunct Instructor

Education

A.B., Hunter College;

M.S., University of Bridgeport

Dennis Colwell

Adjunct Assistant Professor

Accounting

B.S., University of Bridgeport;

M.B.A., University of Hartford

James Conerty

Adjunct Associate Professor

Business Administration

B.A., St. John's University;

M.A., New School for Social

Research;

M.B.A., Sacred Heart University

David L. Damcott

Adjunct Associate Professor

Accounting

B.S., West Virginia Wesleyan;

M.B.A., Baylor University;

C.M.A., Institute of Certified

Management Accountants

Joseph S. Daniels

Adjunct Associate Professor

Accounting

B.A., Iona College;

M.B.A., University of Bridgeport

Betty Daror

Adjunct Instructor

Philosophy

B.A., Sacred Heart University;

M.A., Fairfield University;

Ph.D., Jewish Theology Seminary

David L. Dauplaise

Adjunct Professor

Chemistry

B.S., University of Rhode Island;

M.S., Ph.D., Cornell University

Rhea DelBuono

Adjunct Instructor

Education

B.A., Fairleigh Dickinson

University

Donna D. deRecinos

Adjunct Assistant Professor

Spanish

B.S., M.A., Southern Connecticut

State College

Anna Aporale DiCenso

Adjunct Instructor

Mathematics

B.S., Sacred Heart University;

M.A., Fairfield University

John M. Di Francesca

Adjunct Associate Professor

Education

B.S., Eastern Connecticut State

University;

M.S., C.A.S., University of

Connecticut;

M.S., Rensselaer Polytechnic

Institute

Lawrence DiPalma

Adjunct Instructor

B.A., Holy Cross College;

M.A., University of Bridgeport

Edward G. Donato, Jr.

*Associate Dean of Continuing
Education*

Adjunct Associate Professor

History

A.B., M.A., Providence College

Sara M. Donohue

Director, Legal Assistant Program

Adjunct Assistant Professor

Legal Assistant

A.S., B.S., Sacred Heart University

Andrew F. Dunaj

Adjunct Instructor

Mathematics

B.S., Sacred Heart University;

M.S., University of Bridgeport;

C.A.S., Southern Connecticut State

University

George Dunbar

Adjunct Assistant

Management

B.S., University of California,

Berkeley;

M.A., University of Pittsburgh

Richard J. Durrell

Adjunct Associate Professor

Media Studies

B.A., University of Minnesota

James Durso, Jr.

Adjunct Assistant Professor

Philosophy

B.A., University of New Haven;

M.A., Trinity College

Robert S. Edelman

Adjunct Instructor

Media Studies

B.S., State University of New York

Douglas R. Ehmann

Adjunct Assistant Professor

Management (MBA)

B.S., M.Eng., M.B.A., Cornell

University

Diane H. Feigenson

Adjunct Instructor

English

B.A., City College of New York;

M.A., Columbia University;

Ph.D., New York University

Alexander J. Fekete

Adjunct Assistant Professor

Chemistry

B.S., Fairfield University;

M.S., Boston College;

Ph.D., University of Connecticut

Lawrence Fenn

Adjunct Associate Professor

Education

B.A., University of Connecticut;

M.S., University of Bridgeport;

Ph.D., University of Connecticut

Russell J. Firlik

Adjunct Associate Professor

Education

B.A., M.Ed., Ed.D., State

University of New York at Buffalo;

C.A., Oxford University Institute,

England

John A. Florek

*Adjunct Associate Professor
Management*
B.A., University of Bridgeport
J.D., University of Connecticut

John A. Forbes, Jr.

*Adjunct Associate Professor
Business (Legal Assistant)*
B.A., Stonehill College;
J.D., University of Connecticut

Rosemary McCabe Ford

*Adjunct Assistant Professor
Art*
B.A., The College of White Plains;
M.A., University of Notre Dame

Richard Fowler

*Adjunct Associate Professor
Education*
B.S., University of Bridgeport;
M.A., Fairfield University;
C.A.S., University of Bridgeport

Maryellen K. Frele

*Adjunct Professor
Business Administration/Health
Administration*
B.S., Skidmore College;
M.B.A., Fordham University

Bernice Stochek Friedson

*Adjunct Instructor
Violin*
B.S., University of Bridgeport;
M.A.T., Sacred Heart University

Giuseppe N. Frieri

*Adjunct Professor
Italian*
B.A., The City College of New
York;
M.A., University of California at
Los Angeles

Deborah A. Fritz

*Adjunct Instructor
Education*
B.S., M.S., 6th Year, Southern
Connecticut State University

Brian Gagnon

*Adjunct Assistant Professor
Management*
B.S., Clarkson University;
M.B.A., University of Delaware

Joan M. Galla

*Adjunct Assistant Professor
Art*
A.B., College of Saint Elizabeth;
B.S., Danbury State Teachers
College;
M.A., C.A.S., Fairfield University

Russell Gaudio

*Adjunct Instructor
English*
B.A., Fairfield University;
M.A., New York University

Gary Gelmini

*Adjunct Instructor
Education*
B.S., Castleton State College;
M.S., Eastern Connecticut State

University;
6th Year, University of Connecticut

Mary Gentile

*Adjunct Instructor
Education*
B.S., Southern Connecticut State
University;
M.S., University of Bridgeport;
6th Year, Fairfield University

John D. Gerlach

*Adjunct Associate Professor
Finance*
B.S., Drexel University;
M.B.A., University of Pennsylvania

Sophia J. Gevas

*Adjunct Instructor
Art*
B.F.A., Miami University

Kenneth A. Graham

*Adjunct Associate Professor
History*
B.A., University of Bridgeport;
M.A., Northeastern University;
J.D., Suffolk University Law
School

Susan Granger

*Adjunct Instructor
Art*
B.F.A., University of Bridgeport

Donald P. Gray

*Adjunct Professor
Religious Studies*
B.A., St. Michael's College,
University of Toronto;
M.A., University of Notre Dame;
Ph.D., Fordham University/Union
Theological Seminary

Glenda S. Green

*Adjunct Instructor
Education*
B.A., Bennington College;
M.A.L.S., Southern Connecticut
State University

James Green

*Adjunct Associate Professor
Economics*
B.A., Southeastern Oklahoma State
University;
M.S., Ph.D., Oklahoma State
University

Thomas J. Greene

*Adjunct Assistant Professor
Accounting*
B.B.A., Manhattan College;
M.S., University of Wisconsin

Louis D. Grey

*Adjunct Associate Professor
Mathematics*
B.S., City College of New York;
M.S., New York University

Alan E. Gustafson

*Adjunct Associate Professor
Business Administration*
B.S., Babson College;
M.B.A., University of Bridgeport

Peter Gzowski

*Adjunct Associate Professor
English*
B.A., Fordham University
M.F.A., Tisch School of the Arts,
New York University

Douglas Handler

*Adjunct Assistant Professor
Economics*
A.B., Dickinson College;
M.A., Georgetown University

Virginia M. Harris

*Director of Grants
Adjunct Associate Professor
Biology*
B.A., Wheaton College;
M.A., Ed.D., Teachers College,
Columbia University

Eleanor R. Hetrick

*Adjunct Assistant Professor
Math*
B.A., Marist College;
M.A., St. John's University

Seymour Hirsch

*Adjunct Assistant Professor
Business Administration*
A.S., Housatonic Community
College;
B.S., M.B.A., Sacred Heart
University

Mitchell J. Holmes

*Graduate Admissions Counselor
Adjunct Instructor
Business Administration*
B.A., University of Utah;
M.A., The George Washington
University;
M.B.A., Sacred Heart University

William Hoss

*Adjunct Instructor
Education*
B.S., University of Rhode Island;
M.S., Montclair State College

Kathryn Hulbert

*Adjunct Instructor
English*
B.A., SUNY at Purchase;
M.A., Brown University

Carol Hurst

*Adjunct Associate Professor
Education*
B.S., M.Ed., Westfield State
College

Francis E. Hutvagner

*Director of Administration
Adjunct Instructor
Finance*
B.S., M.B.A., Sacred Heart
University

Benson Hwang

*Adjunct Instructor
Computer Science*
B.S., M.S., University of New
Haven

Harold E. Johnson, Jr.

Adjunct Professor

Psychology

B.A., University of Miami;
M.A., University of Bridgeport

Joan K. Johnson

Adjunct Assistant Professor
English

B.A., University of Connecticut;
M.A., Fairfield University

Gary Kasey

Adjunct Associate Professor
Education

B.A., St. Mary's Seminary and
University;
M.Ed., 6th Year, University of
Hartford;
Ph.D., University of Connecticut

May Kassim

Adjunct Professor
Chemistry/Physics

B.Sc., University of Manchester,
England;
Diploma, University of Oxford,
England;
A.M., Ph.D., Harvard University

Kay Keiser

Adjunct Assistant Professor
Management

B.S., Seton Hall University;
M.P.H., Yale University;
Sc.D., Harvard University

Lauren Kempton

Adjunct Instructor
Education

B.A., West Virginia Wesleyan
University;
M.A., Southern Connecticut State
University

Deborah S. Kennedy

Adjunct Assistant Professor
Psychology

B.S., M.S., University of Bridgeport

Sunny F. Khadjavi

Adjunct Associate Professor
French

A.B., Wagner College;
M.A., Ph.D., Columbia University

Glen A. Kindilien

Adjunct Associate Professor
English

A.A., Mitchell College;
B.A., University of Connecticut;
M.A., Pennsylvania State
University

Barbara Kmetz

Adjunct Associate Professor
Education

B.A., Albertus Magnus;
M.A., Fairfield University

Walter B. Kohler

Adjunct Assistant Professor
Management (MBA)

B.E., Stevens Institute of
Technology;
M.S., Rensselaer Institute of
Technology

Lorraine Koller

Reference Librarian
Adjunct Instructor

B.E.S., University of Bridgeport;
M.L.S., Southern Connecticut State
College

Richard J. Kravchuk

Adjunct Associate Professor
Computer Science

B.S., University of Connecticut

Franciszek Lachowicz

Adjunct Associate Professor
Polish

M.A., University of Warsaw,
Poland;
M.S., University of Bridgeport

Richard R. LaTorre

Adjunct Assistant Professor
Mathematics

B.A., Sacred Heart University;
M.A., Fairfield University

George J. Lawler

Adjunct Associate Professor
Management

B.S., Fordham University;
M.B.A., Sacred Heart University;
J.D., University of Bridgeport

William Leete

Adjunct Assistant Professor
Finance

B.S., Lehigh University;
M.B.A., University of Bridgeport

Martin Henry Levine

Adjunct Assistant Professor
Biology

B.S., M.S., Southern Connecticut
State University;
B.S./D.C., National College of
Chiropractic

Enid Lipeles

Adjunct Instructor
Chemistry

A.B., Hunter College;
M.S., University of Bridgeport

Edward E. Lisi

Adjunct Professor
Management

B.S., Rider College;
M.B.A., University of Connecticut

Ernie Lisi

Adjunct Associate Professor
Management

B.A., Sacred Heart University;
M.A., Fairfield University

Andrew S. Liskov

Adjunct Professor
Business (Legal Assistant)

B.A., Marietta College;
L.L.B., University of Connecticut

Patricia Lohotsky

Adjunct Assistant Professor
Accounting

B.A., Sacred Heart University;
M.B.A., University of Bridgeport

George J. Lombardi

General Manager, Radio Station
WSHU

Adjunct Instructor

Media Studies
B.S., Sacred Heart University

James Love

Adjunct Associate Professor
Management

B.A., Fairfield University;
J.D., Emory University School of
Law

Matthew S. Magda

Adjunct Instructor
History

B.S., Southern Connecticut State
University;
M.A., University of Connecticut

Vincent Mangiacapra

Adjunct Assistant Professor
Computer Science

B.S., Sacred Heart University;
M.S., Polytechnic Institute of New
York

Barry Manis

Adjunct Instructor
Computer Science

B.S.E.E., Polytechnic Institute of
Brooklyn

Panagiotis Mantos

Adjunct Instructor
Mathematics

B.S., Columbia University;
M.A., City University of New York;
M.B.A., Baruch School

Alfred J. Mariani, Jr.

Adjunct Assistant Professor
Management

B.A., M.B.A., Iona College

Carl Marino

Adjunct Assistant Professor
History

B.S., M.A., Boston College;
Ph.D., New York University

Jocelyn L. Master

Adjunct Assistant Professor
English

B.A., St. John's University;
M.A., Fordham University

Larry R. McCollum

Adjunct Instructor
Art

B.F.A., Art Center College of
Design Los Angeles

Rev. Joel McEachen

Adjunct Instructor
Computer Science

B.A., Rutgers University;
M.Div., University of Thessalonica,
Greece;
M.B.A., Sacred Heart University

Nancy Mehos

Adjunct Instructor
Education

B.A., National College of

Education;
M.A., Western Connecticut State
University

Norman F. Middendorf

Adjunct Instructor
Mathematics
B.S., Southern Connecticut State
University

John J. Mudry

Adjunct Instructor
Education
B.S., Quinnipiac College;
M.A., Fairfield University;
M.S., C.A.S., Southern Connecticut
State University

Sr. Anne Louise Nadeau

Adjunct Instructor
Religious Studies
B.A., Annhurst College;
M.A., Emmanuel College,
Massachusetts

David Nichols

Adjunct Assistant Professor
Education
A.S., Dean Junior College;
B.S., Castleton State College;
M.A., Fairfield University

Anthony Nicholson

Adjunct Instructor Chemistry
B.S., Stanford University;
M.S., Fisk University;
C.A.S., University of Bridgeport

Jacqueline J. Norcel

Adjunct Instructor
Education
B.S., Fordham University;
M.S., Brooklyn College;
6th Year, Southern Connecticut
State University

William G. O'Reilly

Adjunct Assistant Professor
Accounting
B.S., University of Rhode Island;
M.B.A., Bryant College;
C.P.A., State of Rhode Island

Ralph Palmesi

Adjunct Assistant Professor
Legal Assistant Program
B.A., University of Connecticut;
J.D., Georgetown University

John Panicker

Adjunct Associate Professor
Economics
B.A., Punjab University, India;
M.A., Agra University, India;
M.B.A., Fairleigh Dickinson
University

Carol A. Pappano

Adjunct Assistant Professor
Mathematics
B.A., Sacred Heart University

Frederick L. Pappano

Adjunct Assistant Professor
Mathematics
B.A., Sacred Heart University

David Parker

Adjunct Instructor
Philosophy
B.A., Sacred Heart University;
M.A., DePaul University

Paul E. Peknik

Adjunct Instructor
Mathematics
B.S., University of Bridgeport;
M.S., Texas A&M;
6th Year, University of Bridgeport

Louise C. Pempck

Adjunct Assistant Professor
Education
B.A., M.A., Ph.D., University of
Connecticut;
6th Year, Sacred Heart University

Lynne Penczer

Adjunct Assistant Professor
Anthropology
B.A., Mt. Holyoke College;
Ph.D., Yale University

Dianna Piazza

Adjunct Instructor
Education
B.S., M.A.T., Sacred Heart
University

Alan R. Plotnick

Adjunct Professor
Economics
B.A., Temple University
M.A., Ph.D., University of
Pennsylvania

Richard J. Pober

Adjunct Associate Professor
Management (M.B.A.)
B.A., The George Washington
University;
J.D., New England School of Law

Mary Porter-Price

Adjunct Instructor
Education
B.S., Central Connecticut State
University;
M.A., University of Connecticut

Susan G. Puglisi

Adjunct Associate Professor
Biology
B.A., M.S., University of
Bridgeport
Ph.D., Clark University

Joan Quilter

Adjunct Assistant Professor
Education
B.S., Boston University;
M.A., C.A.S., Fairfield University;
Ph.D., St. John's University

Mary K. Quinlan

Adjunct Instructor
Mathematics
A.B., Albertus Magnus College;
M.A.T., C.A.S., Fairfield University

Judith Randall

Adjunct Instructor
Art
M.F.A., Brooklyn College;

M.A.T., University of South
Carolina

Michael L. Raposa

Adjunct Associate Professor
Religious Studies
B.A., M.A.R., Yale University;
Ph.D., University of Pennsylvania

Charles H. Reed

Adjunct Assistant Professor
Management
B.S., University of Tennessee;
M.B.A., Sacred Heart University

Ann Reeves

Adjunct Assistant Professor
Psychology
B.A., Wheaton College;
M.S., University of Bridgeport

Frank J. Rinaldi

Adjunct Associate Professor
English
B.A., Georgetown University;
Ph.D., University of Massachusetts

Jacqueline P. Rinaldi

Associate Director, Freshman
Communications
Adjunct Associate Professor
English
B.A., Mount St. Vincent College
M.A., Fordham University;
M.A., Fairfield University

Richard Rizza

Adjunct Associate Professor
Management
B.S.I.E., M.B.A., University of New
Haven

Frank J. Roberts

Adjunct Assistant Professor
Education
B.S., M.S., Southern Connecticut
State University

John F. Roche, Jr.

Adjunct Associate Professor
Chemistry
A.B., M.A., Fairfield University;
C.A.S., St. Joseph College

Clement Russo

Adjunct Associate Professor
English
B.A., Fordham University;
M.A., Ph.D. Cornell University

Edward R. Rusczyk

Adjunct Instructor
Chemistry
B.S., Eastern Connecticut State
University;
M.S.T., Cornell University;
C.A.S., Wesleyan University

Jayne Marie Sardella

Adjunct Instructor
Education
B.S., American International
College;
M.A.T., Sacred Heart University

Chet S. Schoyen

Adjunct Assistant Professor

Computer Science

A.S., Norwalk State Technical College;
B.P.S., Pace University;
M.S., University of New Haven

Stephen J. Sedensky III

*Adjunct Associate Professor
Business (Legal Assistant)*
B.S., Plymouth State College;
J.D., Suffolk University

Mary Lou Skarzynski

*Adjunct Assistant Professor
English*
B.A., M.A., Sacred Heart University;
M.A.T., Fairfield University

Edward J. Sokolnicki, Jr.

*Adjunct Assistant Professor
Computer Science*
B.S., Quinnipiac College;
M.B.A., Pepperdine University

Algis E. Svelnys

*Adjunct Instructor
Mathematics*
B.S., Southern Connecticut State University;
M.S., University of Bridgeport

Michael P. Sweeney

*Adjunct Professor
English*
B.A., Salem State College;
M.A., University of Bridgeport

Sheela Tangirala

*Adjunct Assistant Professor
Economics*
B.S., ANR College Gudivada, India;
M.A., Andhra University, India;
Ph.D., Bombay University

Stephen A. Toth

*Adjunct Associate Professor
English*
B.A., University of Bridgeport;
M.A., University of Kansas;
C.A.S., Fairfield University

Gerald Tracey

*Adjunct Associate Professor
Management/Marketing/Health
Care Administration*
B.A., Wesleyan University;
M.A., Goddard College;
M.P.H., Yale University

Alan Trippel

*Adjunct Assistant Professor
Management*
B.S., State University of New York at Cortland;
M.B.A., University of Connecticut

Dawn Ann Tucker

*Adjunct Instructor
Art*
B.S., Sacred Heart University

Alice Tufts

*Adjunct Associate Professor
Education*

B.S., M.A., 6th Year, Western Connecticut State University;
Admin. Cert., Southern Connecticut State University;
6th Year (Administration), Ph.D., University of Connecticut

Willie J. Turey

Adjunct Instructor
B.A., University of Dayton;
M.A., Fairfield University

David Ullman

*Adjunct Instructor
Education*
B.A., University of Connecticut;
M.S., Southern Connecticut State University;
6th Year, Fairfield University

Donna Vaecarella

*Adjunct Associate Professor
Office Administration*
A.A., B.A., Sacred Heart University;
M.A., Fairfield University

Mary Ann Gentile Valovcin

*Adjunct Associate Professor
English*
B.A., Sacred Heart University
M.S., University of Bridgeport

Andre P. VanParys

*Adjunct Assistant Professor
Management (MBA)*
M.S., St. Joseph's University;
M.B.A., Drexel University

Albert Varner

Adjunct Associate Professor
B.S./B.A., Northeastern University

Cheryl Ann Veilleux

Adjunct Instructor Education
B.S., University of Hartford;
M.S., Eastern Connecticut State University;
6th Year, University of Connecticut

Susann Walens

*Adjunct Instructor
History*
B.A., Charter Oak College;
M.A., Western Connecticut State University

James M. Waters

*Adjunct Assistant Professor
Management*
B.A., Kansas State University;
M.B.A., University of Bridgeport

Sylvia A. Watts

*Adjunct Associate Professor
English*
B.A., College of Notre Dame of Maryland;
M.S., University of Bridgeport

Kathleen Weingoz

*Adjunct Instructor
Computer Science*
B.S., Central Connecticut State University

Eleanor M. Whitaker

*Adjunct Associate Professor
English*
B.A., M.A., Maryland University;
Ph.D., New York University

Gary M. Williamson

*Adjunct Instructor
Art*
California State Polytechnic Institute;
American River College;
Art Center College of Design

Pauline Yatrakis

*Director, ESL Program
Adjunct Associate Professor
English*
B.A., Brooklyn College;
M.A., Columbia University

Wei Yen

*Adjunct Associate Professor
Chemistry*
M.S., Ph.D., University of Maine

Eugenia Zavras

Adjunct Assistant Professor
B.A., M.S., University of Bridgeport;
Ph.D., University of Massachusetts

Margaret Zowine

*Adjunct Instructor
English*
B.A., Fairfield University;
M.A., Fordham University

Gerald D. Zuckerman

*Adjunct Professor
Business (Legal Assistant)*
B.A., City College of New York;
J.D., Brooklyn Law School

Jacqueline Zwick

*Adjunct Instructor
English*
B.A., American University;
M.A., Stanford University

FACULTY EMERITI Medical Technology Program Instructors

Elizabeth M. Kelly

Professor Emeritus
Psychology
B.A., M.A., New York University;
Ph.D., Fordham University
(1965, Ret. 1970)

Marcella C. Malloy

Professor Emeritus
Spanish
B.A., Northwestern University;
M.A., University of Chicago
(1963, Ret. 1975)

Amos Nannini

Professor Emeritus
Mathematics
B.A., Dottore in Mathematics,
University of Pisa, Italy
(1967, Ret. 1978)

Alice Przybylski

Professor Emeritus
Music
B.M., Alverno College of Music,
Wisconsin State Teachers College;
M.M. University of Notre Dame
(1964, Ret. 1976)

Maria S. Quintero

Professor Emeritus
Spanish
Bach. Ltr. and Sci., Official
Government Institute of Havana,
Cuba;
Ed.D., Ph.D., University of Havana,
Cuba
(1965, Ret. 1975)

Jacques M. Vergotti

Professor Emeritus
History and Political Science
B.S., Lycee Real, Mesota Brasov,
Romania;
M.A., Bucharest University,
Romania;
M.A., Columbia University;
Ph.D., University of Lausanne,
Switzerland
(1966, Ret. 1985)

Dr. Larry Bernstein

Medical Director
Medical Technology Program
Bridgeport Hospital

Patricia Clark, M.S., M.T. (ASCP)

Director
Medical Technology Program
Bridgeport Hospital

Dr. Ramon Kranwinkel

Medical Director
Medical Technology Program
Danbury Hospital

Moses K. Liberman, M.D.

Medical Director
Medical Technology Program
Waterbury Hospital

Dr. David Lobdell

Medical Director
Medical Technology Program
St. Vincent's Medical Center

Diana Luca M.S., M.T. (ASCP)

Director
Medical Technology Program
St. Vincent's Medical Center

Susan Regan O'Brien, M.S., M.T. (ASCP)

Director
Medical Technology Program
Waterbury Hospital

Carol Tully, M.S., M.T. (ASCP)

Director
Medical Technology Program
Danbury Hospital

Respiratory Therapy Program Instructors

Donna Barry, A.S., C.R.T.T.

Clinical Instructor in Training

John Barto, A.S., R.R.T.

Senior Clinical Instructor

Gaetano Bonanni, B.S., R.R.T.

Senior Clinical Instructor

Lisa Brousseau, A.S., C.R.T.T.

Clinical Instructor in Training

Patricia Burnes, B.E.S., R.R.T.

Senior Clinical Instructor

Lisa DiCocco, A.S., C.R.T.T.

Clinical Instructor in Training

Richard Downing, A.S., C.R.T.T.

Clinical Instructor in Training

Patricia Edgeworth, A.S., R.R.T.

Senior Clinical Instructor

JoAnn Elser, B.S.N., R.R.T.

Clinical Instructor in Training

Rose Marie Esposito, B.S., R.R.T.

Senior Clinical Instructor

Marilee Fleisch, A.S., R.R.T.

Senior Clinical Instructor

Julie Frischstein, B.S., C.R.T.T.

Clinical Instructor in Training

Patricia Henneby, A.S., R.R.T.

Senior Clinical Instructor

William Hurd, A.S., C.R.T.T.

Senior Clinical Instructor

Marylou Ivey, B.A., C.R.T.T.

Senior Clinical Instructor

Brian Laychak, A.S., C.R.T.T.

Clinical Instructor in Training

Richard Magruder, B.S., R.R.T.

Senior Clinical Instructor

Anne Marshall, A.S., R.R.T.

Clinical Instructor in Training

Lisa May, B.A., R.R.T.

Senior Clinical Instructor

Cheryl Morgan, B.S., R.R.T.

Senior Clinical Instructor

Andrew Napolitano, B.S., R.R.T.

Senior Clinical Instructor

Janet Nicholas, B.S., R.R.T.

Senior Clinical Instructor

Donna Pingel, B.S., R.R.T.

Senior Clinical Instructor

Ronald Ryan, B.B.A., R.R.T.

Senior Clinical Instructor

Heidi Sandrowski, B.S., R.R.T.

Senior Clinical Instructor

Rodney Seaman, A.S., C.R.T.T.

Senior Clinical Instructor

Holly Targowski, A.S., R.R.T.

Clinical Instructor in Training

Steven Tarnoczy, B.S., R.R.T.

Senior Clinical Instructor

Nicholas Wasko, B.S., R.R.T.

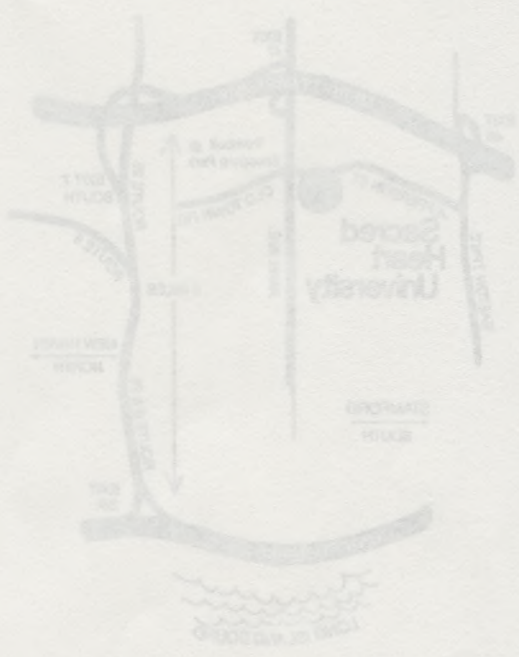
Senior Clinical Instructor

Index

Academic Appeals	64
Academic Calendar	Inside Front Cover
Academic Forgiveness	63
Academic Honesty	64
Academic Honors	64
Academic Policies and Regulations	62
Academic Programs and Resources	67
Academic Resources	73
Academics	23
Academic Year	62
Acceptance of Financial Aid Award	22
Accounting	26
Accounting Courses	81
Accreditation	4
Activities Office	79
Additional Facilities	76
Adjunct Faculty	170
Administration	165
Admissions	11
AICPA Exam, State of Connecticut	26
Anthropology Courses	82
Application for Graduation	65
Art and Design	27
Art Courses	82
Art Studios	73
Associate Degree Programs	53
Associate of Arts Curriculum	54
Associate of Science Curriculum	56
Athletics	79
Athletic Scholarships	20
Auditors	62
Baccalaureate Curriculum	24
Banking Program	56
Basic Studies Program	73
Biology	28
Biology Courses	87
Biology Education	29
Biology Laboratories	73
Board of Trustees	165
Business Administration	30
Business Management	29
Business Management Courses	92
Campus Ministry	78
Career Services	78
Center for Applied Ethics	76
Center for Ethnic Studies	76
Center for Policy Issues	76
Chemistry	30
Chemistry—Basic Program	31
Chemistry—Biochemistry Program	31
Chemistry Courses	95
Chemistry Laboratories	74
Class Attendance	63
College Level Examination Program (CLEP)	70
College Work Study Program	18
Communications Courses	93
Community Resources	76
Computer and Information Sciences	32
Computer Science Courses	100
Computer Science Facilities	74
Computer Science Program	57
Connecticut Independent College Student Grant	19
Co-Op Internship Program	71
Counseling Center	78
Course Descriptions	80
Course Withdrawal	62
Criminal Justice	33
Criminal Justice Courses	103
Curriculum	8
Curriculum, Change of	65
Dean of Students	78
Deferred Payment Plan Options	21
Directory	165
Early Entrance Program	11
Economics	35
Economics Courses	106
Education	35
Education Courses	108
Education Program	69
Elementary English Education Certification Program	40
Elementary School Certification Program	36
Endowed Scholarships	20
English	38
English Courses	110
English as a Second Language Program (ESL)	73
Equal Opportunity Statement	5
Expenses	14
Faculty	166
Faculty Emeriti	176
Family Discount Plan	21
Federally Funded Programs	18
Finance	40
Finance Courses	115
Financial Aid	16
Financial Aid Counseling	22
French	46
French Courses	117
Full-time Overloads	62
Full-Time Study	12
German Courses	117
Grades, System of	63
Graduate Grant-In-Aid	21
Grant-In-Aid	21
Guaranteed Student Loan	19
Health Services	78
History (Academic Program)	41
History Courses	117
History (University)	7

Honors Courses	123	Psychology	50
Honors Program	68	Psychology Courses	145
Human Resource Courses	124	Psychology Laboratories	76
Independent Study and Individual Instruction	69	Registration	62
Institute for Religion and Society	32	Religious Studies	50
Interdisciplinary Programs (biology)	29	Religious Studies Courses	150
International Students	11	Respiratory Therapy Courses	153
International Student Visa Certification	64	Respiratory Therapy Program	58
Italian	46	Respiratory Therapy Program Instructors	176
Italian Courses	125	Russian Courses	155
Japanese Courses	126	Secondary School Certification	37
Legal Administration	41	Secondary English Education Certification Program	40
Legal Assistant Program	57	Security	79
Legal Assistant Courses	126	17/62 Program	70
Library	75	SHU-String Community Music Center	76
Life/Work Experience (LWX) Program	71	Social Work	51
Location	8	Social Work Courses	159
Marketing Courses	129	Sociology	52
Mathematics	42	Sociology Courses	156
Mathematics Colloquium	42	Spanish	46
Mathematics Courses	130	Spanish Courses	162
Media Studies	43	Special Academic Programs	68
Media Studies Courses	133	Stafford Loan	19
Media Studies Facilities	75	State-Funded Programs	19
Medical Technology	44	State Scholarships	19
Medical Technology Courses	132	Student Life at Sacred Heart	79
Medical Technology Program Instructors	176	Student Services and Student Life at Sacred Heart	77
Memberships	4	Student Standing	63
Mission	7	Supplemental Educational Opportunity Grant	18
Modern Foreign Languages	45	Taking Courses at Other Institutions	64
Modern Language Laboratory	75	Transcripts	66
Music	46	Transfer Students	11
Music Courses	136	Trustees	165
National Direct Student Loan Programs (now called Perkin's Loan)	18	Tuition and University Fees	15
Non-academic Counseling	80	Tuition Remissions	20
Non-paid Internship Program	73	Unified Nursing Program	70
Notations	4	University Center for Women	78
Nursing Program	47, 70	University Counseling Center	78
Nursing Courses	137	University History and Mission	6
Operations Research Courses	139	University Programs (Financial Aid)	20
Other Sources of Support	22	Undergraduate Admissions	10
Part-Time Study	12	Vice-President for Student Services	78
Payment of Tuition and Fees	15	Waiver Policy	65
Pell Grant	18	Withdrawal	62
Perkin's Loan	18	Work Study Program	18
Philosophy	48	Workshop Skills Center	72
Philosophy Courses	139		
Physics Courses	149		
Polish Courses	142		
Political Science	49		
Political Science Courses	142		
Pre-Professional Programs	69		
President Emeritus	172		
Presidential Scholarships	20		
Production Courses	145		
Program Changes	62		

How to Get to Sacred Heart University



Directions to Main Fairfield Campus

3151 Park Avenue
Fairfield, CT 06424

From Connecticut Turnpike (I-95) in Bridgeport, take exit 27A (North or South). Continue straight ahead on Connecticut Route 8 and 25 to Park Avenue. Take Exit 47 off Merritt Parkway. At end of ramp turn left onto Park Avenue and proceed 1 block to Sacred Heart University.

From Merritt Parkway Exit 47 (North or South): At end of ramp turn left onto Park Avenue and proceed 1 block to Sacred Heart University.

Directions to Valley

Edward O'Brien Regional Vocational Technical School
141 Phoebe Avenue, Ansonia, CT

Take the Merritt Parkway to Route 8. Get off Route 8 at Exit 16 - Parking Drive. Bear right and go to second light. Turn right (Banger King on corner). Go to the top of the hill. Cut across to Elm Street (Rt. 243E). Follow 243 to top of 2 more hills. 243E will bear right but you go straight onto Phoebe Avenue.

Directions to Stamford

MBA Classes
Champion Building
Champion Plaza, Stamford, CT

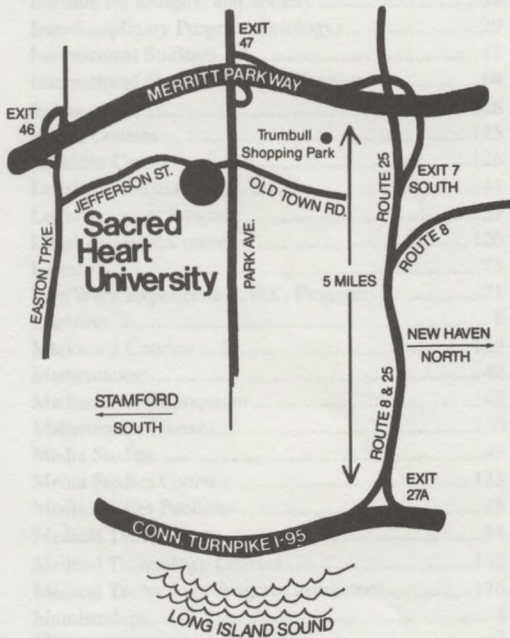
South on I-95 to Exit 7. Travel parallel to I-95 to second light. Make right. Turn right second light onto Treveser Boulevard. (Champion is on corner). Turn right into first driveway. Guard will tell you where to park. Take elevator up one floor to Court yard. Walk to Main Entrance. Security will direct you after entering the building.

Directions to Stamford

Forrest St. Bart's Prep School Building
34 Crowley Road
Greenwich, Stamford, CT 06870

From Westport, take I-95 to Exit 9. At exit ramp (right) take a right turn to Main St. Continue down Main St. to RR bridge. Immediately after RR bridge take a right (Crowley St.). Bear left up the hill. Follow street to the first light (about 2 blocks). At light make a right. First street on your right is Crowley Road. School is half-way down Crowley Road on the right.

How to Get to Sacred Heart University



Directions to Main Fairfield Campus

5151 Park Avenue
Fairfield, CT 06432

From Connecticut Turnpike (I-95)

In Bridgeport, take exit 27A (North or South). Continue straight ahead on combined Routes 8 and 25 to fork. Bear left onto Route 25 to exit 7 (Merritt Parkway South). Take Exit 47 off Merritt Parkway. At end of ramp turn left onto Park Avenue and proceed 1 block to Sacred Heart University.

From Merritt Parkway

Exit 47 (North or South). At end of ramp turn left onto Park Avenue and proceed 1 block to Sacred Heart University.

Directions to Stamford

Former St. Basil's Prep School Building
39 Clovelly Road
Glenbrook, Stamford, CT 06902

From Westport, take I-95 to Exit 9. At exit ramp (light) take a right (this is Main St.). Continue down Main St. to RR bridge. Immediately after RR bridge take a right (Crystal St.). Bear left up the hill. Follow street to the first light (about 2 blocks). At light make a right. First street on your right is Clovelly Road. School is half-way down Clovelly Road on the right.

Directions to Stamford MBA Classes

Champion Building
Champion Plaza, Stamford, CT

South on I-95 to Exit 7. Travel parallel to I-95 to second light. Make right. Turn right at second light onto Tresser Boulevard. (Champion is on corner). Turn right into first driveway. Guard will tell you where to park. Take elevator up one floor to Courtyard. Walk to Main Entrance. Security will direct you after entering the building.

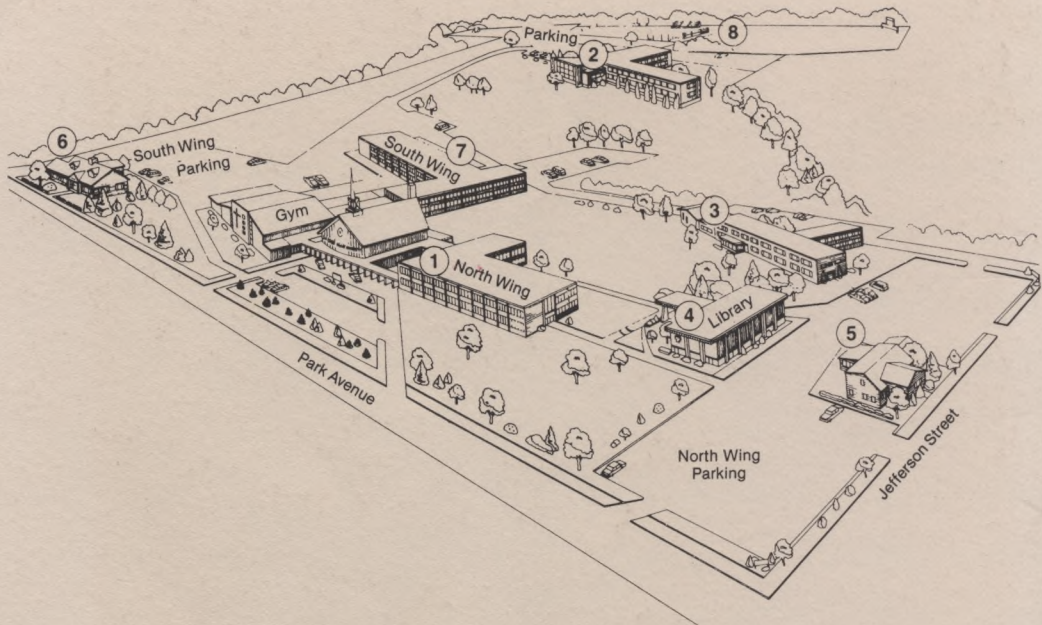
Directions to Valley

Emmett O'Brien Regional Vocational Technical School
141 Prindle Avenue, Ansonia, CT

Take the Merritt Parkway to Route 8. Get off Route 8 at Exit 16 - Pershing Drive. Bear right and go to second light. Turn right (Bruger King on corner). Go to the top of the hill. Cut across to Elm Street (Rt. 243E). Follow 243 to top of 2 more hills. 243E will bear right but you go straight onto Prindle Avenue.

University Telephone Numbers

- (203) 371-7910 Provost and Vice-President for Academic Affairs
- (203) 371-7880 Admissions
- (800) 333-8934 Admissions**
- (203) 371-7861 Alumni
- (203) 371-7975 Career Services
- (203) 371-7913 Dean of Students
- (203) 371-7980 Financial Aid
- (203) 371-7830 Graduate Studies & Continuing Education
- (800) 288-2498 Graduate Studies & Continuing Education**
- (203) 371-7937 Housing
- (203) 371-7860 Institutional Advancement
- (203) 371-7700 Library
- (203) 371-7900 President
- (203) 371-7970 Public Relations
- (203) 371-7890 Registrar
- (203) 371-7925 Student Accounts
- (203) 371-7999 Switchboard
- (800) 496-8869 Switchboard**
- (203) 365-7609 Fax Number



The Campus

1. Academic Center

Graduate Studies and Continuing
Education Office
Registrar's Office
Campus Ministry
Student Government
Cafeteria
Student Services Office
Nurse

2. Campus Center

Admissions Office
Financial Aid Office

3. Administration Building

Student Accounts
President's Office

4. Library

5. Jefferson House

6. Park Avenue House

7. Bookstore

8. Athletic Fields



SACRED HEART UNIVERSITY

Where personal attention leads to personal achievement

5151 Park Avenue
Fairfield, CT 06432-1000