

BARRY UNIVERSITY

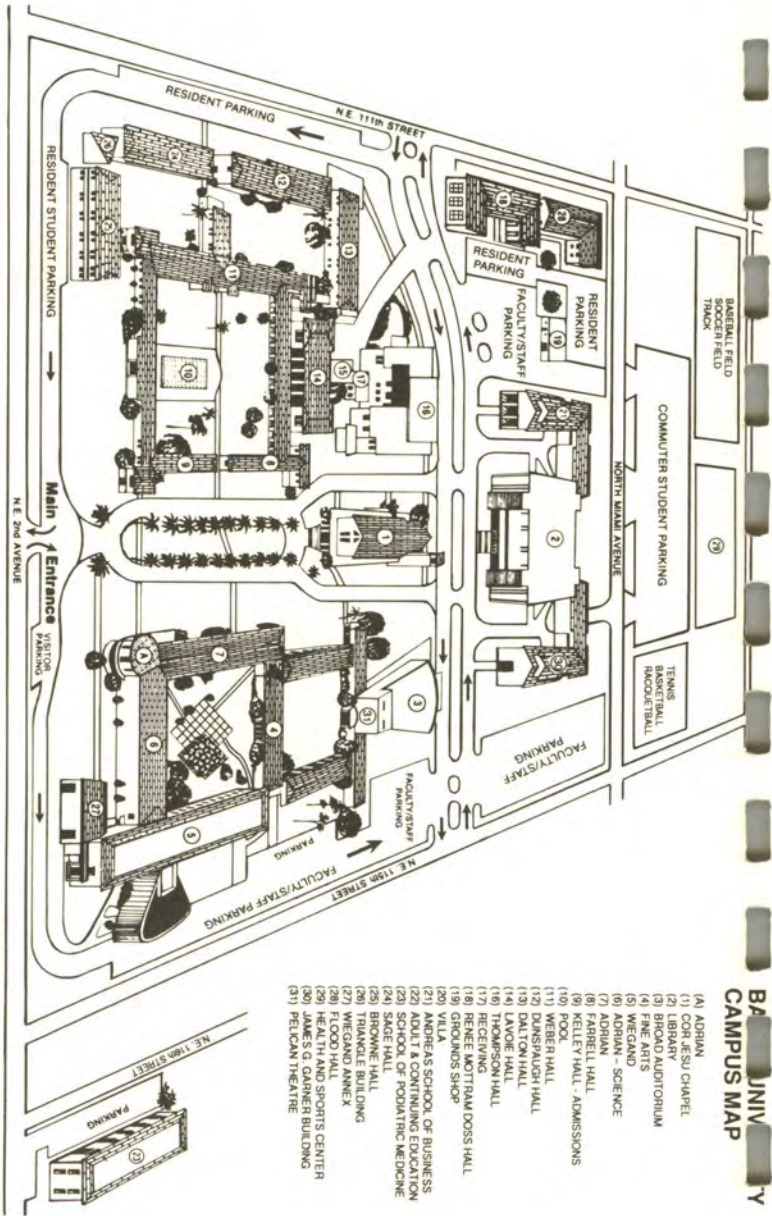


Undergraduate Catalog

1991-1992

Florida's Oldest and Largest Catholic University

BALDWIN UNIVERSITY CAMPUS MAP



- (1) AORIAN
- (2) CHURCH CHAPEL
- (3) BROAD AUDITORIUM
- (4) FINE ARTS
- (5) WEGAND
- (6) AORIAN - SCIENCE
- (7) AORIAN HALL
- (8) KELLY HALL - ADMISSIONS
- (9) POOL
- (10) WEBER HALL
- (11) DALTON HALL
- (12) DALTON HALL
- (13) DALTON HALL
- (14) LAVOIE HALL
- (15) RECEIVING HALL
- (16) RENEE MOTTTRAM DOSS HALL
- (17) GROUND SHOP
- (18) VILLA
- (19) ANDREA'S SCHOOL OF BUSINESS
- (20) SCHOOL OF FOUNDATIONS EDUCATION
- (21) SCHOOL OF FOUNDATIONS EDUCATION
- (22) SAGE HALL
- (23) BROWNE HALL
- (24) TRIANGLE BUILDING
- (25) WEGAND ANNEX
- (26) HEADLAND SPORTS CENTER
- (27) HEADLAND SPORTS CENTER
- (28) JAMES G. GARNER BUILDING
- (29) PELICAN THEATRE
- (30) PELICAN THEATRE
- (31) PELICAN THEATRE

FACULTY/STAFF PARKING (F/S DECAL)
 RESIDENT STUDENT PARKING (R/S DECAL)
 COMMUTER STUDENT PARKING (C/S DECAL)
 → TRAFFIC FLOW



BARRY UNIVERSITY



1991-92 Undergraduate Catalog

Barry University accepts all qualified candidates for admission without regard to race, sex, religion, creed, color, national or ethnic origin, age or physical handicap.

ACCREDITATION

Barry University is accredited by the Southern Association of Colleges and Schools. The School of Nursing is accredited by the National League for Nursing and is approved by the Florida Board of Nursing. The School of Education is approved by the Department of Education of the State of Florida as a standard teacher training program, and because of Florida's reciprocal certification agreement, is in a position to graduate students eligible for teacher certification in most states. The School of Social Work's MSW program is accredited by the Council on Social Work Education. The School of Podiatric Medicine is accredited by the Council on Podiatric Medical Education.

NOTICES

Barry University does not discriminate on the basis of race, religion, sex, national or ethnic origin, or physical limitation. This includes policies and procedures related to membership on the Board of Trustees, the educational program, employment and personnel practices, admissions, scholarships/grants/loans, and participation in athletic, and other student activities. This institution is authorized to enroll non-immigrant alien students.

While this Catalog is a description of the undergraduate academic programs and regulations as of the date of publication, it is for information only and its provisions do not constitute an offer for a contract which may be accepted by students through enrollment at the University. The University reserves the right to change any provisions, requirements, or fees at any time during the student's period of study. The University further reserves the right to dismiss a student from the University for cause at any time. It also reserves the right to impose probation or suspension on any student whose conduct or achievement is unsatisfactory. When a student is dismissed or suspended for cause, there will be no refund of tuition or fees paid. Neither will there be any refunds in the event the operations of the University are temporarily suspended as a result of any act of God, strike, riot, disruption, or any other reason beyond its control.

The information in this Catalog supersedes all previous regulations, including tuition and fees previously published.

Inquiries, applications, and credentials should be addressed to:

Barry University
11300 NE 2nd Avenue
Miami Shores, Florida 33161
(305) 899-3000 Local General University Number
(800) 852-6775 In State Toll-Free General University Number
Office of Admissions
Undergraduate (Local) (305) 899-3100
Graduate (Local) (305) 899-3120
In State (800) 551-0586
Out of State (800) 621-3388
Fax: (305) 899-3104
School of Adult and Continuing Education
(305) 899-3300 * (800) 842-1000

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Academic Calendar 1991-92

Fall 1991

Assembly
Labor Day Holiday
Orientation/Testing
Registration
Classes Begin
Fall Holiday
Thanksgiving Holiday

Tuesday, August 27
Monday, September 2
Tuesday, September 3
Wednesday, September 4
Thursday, September 5
Friday, October 25
Thursday-Sunday, November 28-
December 1
Friday, December 13
Monday-Friday, December 16-20
Sunday, December 22

Classes End
Final Exams
Commencement

Spring 1992

Assembly
Registration
Classes Begin
Spring Break
Easter Holiday
Classes End
Final Exams
Commencement
ACE Commencement

Friday, January 10
Monday, January 13
Tuesday, January 14
Saturday-Sunday, March 7-15
Thursday-Sunday, April 16-19
Friday, May 1
Monday-Friday, May 4-8
Sunday, May 10
Sunday June 21

Summer School 1992

Summer I
Summer II

Tuesday May 12 - Friday June 19
Monday June 22 - Friday July 31

Weekend Occupational Therapy Program

Fall Term 1991
Spring Term 1992
Summer Term 1992

August 24 - December 15
January 4 - April 12
May 2 - August 2

School of Adult and Continuing Education

Fall Term 1991
Winter Term 1992
Spring Term 1992
Summer Term 1992

October 7 - December 14
January 13 - March 21
April 13 - June 20
July 13 - September 19

THE MISSION CONTINUES

NATURE

Barry University is an independent, coeducational Catholic institution of higher education which fosters academic distinction in the liberal arts and professional studies within the Judeo-Christian and Dominican tradition.

Founded in 1940, the University is sponsored by the Dominican Sisters of Adrian, Michigan, and is governed by an independent, self-perpetuating Board of Trustees.

ENVIRONMENT

Barry University is a comprehensive university located in Miami Shores, with programs throughout South Florida. We seek to attract a diverse student body, from a variety of geographic, ethnic, religious, and socio/economic backgrounds. We seek to recruit and retain faculty members who are dedicated to teaching and advising; to the search for and dissemination of truth through scholarship, research, and creative activities; and to service both the University and the larger community. We seek to maintain a staff that supports institutional needs in order to enhance the quality of university life. We seek to provide a learning environment which challenges students to accept intellectual, personal, ethical, spiritual, and social responsibilities.

PURPOSE

The general purpose of Barry University, as stated in the Charter, is to offer quality education, to assure a religious dimension, and to provide community service and presence within a more caring environment.

Barry University strives

- to help its students to understand that God is experienced and encourage them to seek a fitting response to the presence of God in their lives.
- to afford the opportunity to examine the fundamental questions of human experience and the response to these questions proposed, in the liberal arts tradition, by theology, philosophy, the humanities, the natural sciences, and the social sciences.

- to provide programs in the liberal arts and professional studies at the undergraduate and graduate levels, giving students a basis for continued personal and professional development.
- to contribute to international understanding, world peace, and community self-awareness by providing an international dimension to its student body and educational curricula.
- to demonstrate concern for the individual in an atmosphere in which students, conscious of their own dignity as persons, become aware of the attendant responsibility toward other persons and toward the environment.
- to encourage its students to assume community leadership in religious, social, economic, and political affairs as a means of effecting needed social change.

GENERAL INFORMATION

HISTORY

Originally conceptualized by the Most Reverend Patrick Barry, Bishop of St. Augustine, and Reverend Mother Mary Gerald Barry, Prioress General of the Dominican Sisters of Adrian, Michigan, plans for Barry College received active support from Reverend William Barry, Pastor of St. Patrick's Church of Miami Beach, and John Thompson, Mayor of Miami Shores, Florida. In June 1940, a forty-acre tract of tropical vegetation located in residential Miami Shores, was transformed into the campus of Barry College. By action of the Board of Trustees, the college became Barry University on November 13, 1981. Today's University community is comprised of approximately 6,000 students, served by well over 500 administrators, faculty members and support staff representing diverse religious, cultural, and ethnic backgrounds. Barry is coeducational and fully accredited.

Since Barry first opened its doors in 1940, the faculty and administration have combined efforts to develop high quality academic programs so that needs of both the students and the local community would be served. Examples of this development include the inauguration and accreditation of such programs as Nursing, Teacher Education, Medical Technology, and Social Work. Needs of the local community led Barry to begin graduate programs for men and women in 1954, a Continuing Education Program in 1974, a School of Business in 1976, a Division of Biological and Biomedical Sciences in 1983, and a School of Podiatric Medicine in the Fall of 1985.

Barry University has had five Adrian Dominican Sisters serve as president since its inception: Mother Gerald Barry, 1940-1961; Mother Genevieve Weber, 1962-63; Sister M. Dorothy Browne, 1963-1974; Sister M. Trinita Flood, 1974-1981; and Sister Jeanne O'Laughlin, 1981 to the present.

Continued development and expansion of the Barry community are promoted to keep pace with the growth and excellence of the educational programs and to meet the needs of the ever-increasing student population. The physical plant includes 26 buildings, spread over the

University's 90-acre campus and adjacent areas. The tropical beauty of the campus, its excellent educational facilities, and the ideal south Florida climate combine to create an atmosphere conducive to learning and to continued personal development.

UNIVERSITY LIFE

The measure of a special university is more than the size of its student body, its faculty, its campus, or its longevity.

Although Barry University is relatively small and young, it is emerging as a truly special institution of higher education.

Barry's mission transcends the statistics by which many universities measure themselves. As a Catholic institution, it goes beyond the traditional emphasis on academic excellence to embody a human quality, with personal attention to a student's social, moral, physical, emotional and religious growth.

Above all, the purposely intimate scale of the campus and student body, the careful selection of faculty and staff, and the Judeo-Christian religious dimension combine to create a caring environment.

BUILDINGS & FACILITIES

ACADEMIC COMPUTING RESOURCES – The Academic Computing Center is housed in the Garner Building on the main campus. It provides computer services to the campus via an Ethernet network that connects all academic buildings and offices on campus.

ADRIAN HALL – Originally named Angelicus, Adrian Hall houses classrooms, science labs, the Administrative Data Center, and the Offices of Registrar, Controller, Credit and Collections. It was constructed in 1940.

BROWNE HALL – Built in 1985 as East Hall, Browne is located on the southeast corner of the campus. It houses 90 students in double air-conditioned suites. Browne Hall was named after Sr. M. Dorothy Browne, Barry's third President.

COR JESU CHAPEL – Built in 1940 through a donation from Margaret Brady Farrell, the Cor Jesu Chapel is the center of many activities of the campus ministry as well as the office of the Director of Religious Affairs. Masses are celebrated here on a daily basis.

DALTON-DUNSPAUGH HOUSE – Originally known respectively as Regina Caeli and Regina Mundi, Dalton-Dunspaugh was built through the Dunspaugh Foundation in 1962. It serves as a female residence hall, housing 144 women in double air-conditioned rooms.

D. INEZ ANDREAS SCHOOL OF BUSINESS BUILDING – Constructed in 1984 and named in honor of Barry's Chairman of the Board of Trustees, the D. Inez Andreas Building houses the School of Business. It contains ten traditional classrooms, two of which have been

specifically designed to be used for accounting classes, two large executive training classrooms, thirty-eight faculty offices and the administrative offices of the School.

FARRELL HOUSE — Farrell House, dedicated to Margaret Brady Farrell in recognition of her generous contributions to Barry University, was built in 1940. Farrell, originally named Maris Stella, houses faculty offices for the Social Science Department and administrative offices for the School of Arts and Sciences.

FLOOD HALL — Built in 1987 as West Hall, Flood Hall is located on the southwest corner of the campus. It houses 96 students in double air-conditioned suites. Flood Hall was named after Sr. Trinita Flood, fourth president of Barry.

GARNER BUILDING — Funded through a grant from the Federal Aviation Administration, the Garner Building was opened in the Fall of 1989. Designed as a "high-tech" facility, this building houses the Academic Computing Center, the Learning Center, the School of Education, the Department of Communication, and the Department of Mathematics and Computer Science.

FINE ARTS QUADRANGLE — The Fine Arts Quadrangle contains art and music studios, lecture rooms, theater dressing rooms, an outdoor stage, and the Shepherd & Ruth K. Broad Performing Arts Center — a 1,000 seat capacity auditorium. The departmental Office of Fine Arts is located here. Adjacent to the Broad Center is the Pelican Theatre, a 74-seat facility which offers an intimate theatre experience.

FRANK J. ROONEY SCHOOL OF ADULT AND CONTINUING EDUCATION — Acquired in 1983 and named in honor of a long-time friend of Barry University, the Frank J. Rooney School of Adult and Continuing Education houses departmental offices and a student lounge for adult students.

INTERCOLLEGIATE ATHLETIC FACILITIES — The intercollegiate sports complex includes baseball, soccer, softball, track and tennis facilities. Our new Health and Sports Center accommodates basketball, volleyball, a weight training room, an athletic training room complete with modalities and hydrotherapy, locker rooms for all sports, and administrative offices.

KELLEY HOUSE — Originally named Rosa Mystica, it is dedicated to Mabel Kelley for her generous contributions to Barry University. Kelley House accommodates the Office of Admissions, Enrollment Services and Financial Aid.

LAVOIE HALL — Originally the site of the Department of Family and Consumer Science and Calaroga dining hall, LaVoie was built in 1940. It now serves as administrative offices for the University.

LIBRARY — The Monsignor William Barry Memorial Library provides materials and services in support of the educational and cultural

objectives of the University. Students have access, in open stacks, to a collection which exceeds 550,000 items. This includes over 2,000 periodical titles. The Barry Library participates in a number of library networks. The Southeast Florida Library Information Network (SE-FLIN) provides by courier service and telefax access to more than nine million items and to 30,000 periodical titles held by the larger academic and public libraries of Dade, Broward and Palm Beach counties. Materials not readily available at this level are obtained through the Florida Library Information Network (FLIN), which provides for the delivery of materials based in the major libraries of the State of Florida including those of the state university system. The resources of the libraries of the southeast and midwest through the Southeastern Library Network (SOLINET) cap the library exchange program. Faculty and students have access to audio and video taping facilities. Bibliographic instruction and reference service, including structured assistance in the use of CD-ROM and manual indexes, are an integral part of the library support of classroom teaching. The library building contains classrooms and departmental offices.

PENAFORT POOL — Built in 1941 through a donation from Margaret Brady Farrell, Penafort Pool serves as both a recreational and educational facility for students of Barry University.

RENEE MOTTRAM DOSS HALL — Barry's newest residence hall includes twelve undergraduate residences containing 48 bedrooms for a maximum of 96 students. Limited accommodations are also available for graduate students in this hall.

THOMPSON HALL — Built in 1962, Thompson Hall presently houses Student Services and activity areas, including the Rathskellar, cafeteria, dining rooms, administrative offices, post office, campus store and dance/fitness studio.

SAGE HALL — Built in 1984 as South Hall, on the south side of campus, this apartment-style hall provides quad air-conditioned rooms with private baths. Named after Robert F. Sage, one of Barry's benefactors, Sage Hall houses 91 students.

SCHOOL OF PODIATRIC MEDICINE BUILDING — This building at 11600 NE 2nd Avenue, houses classrooms and administrative offices for the School of Podiatric Medicine.

VILLA — In 1953 Barry University acquired a motel to be used as a residence. The Villa houses sisters as well as other campus staff personnel.

WEBER HALL — Named for former Barry University President, Mother Genevieve Weber, Weber Hall houses male and female students. The largest residence hall on campus, it contains both single and double air- and non-air-conditioned rooms as well as the campus infirmary. Weber was built in 1946 and was originally known as Stella Matutina.

WIEGAND CENTER — Built in 1970 through a donation from Edwin L. Wiegand, Wiegand Center contains classrooms, science labs, and an auditorium. The administrative offices for the School of Natural and Health Sciences, Department of Physical Sciences, and the School of Nursing are located here. In 1987, a four-classroom wing was added to Wiegand Center.

ADMISSIONS

Requirements for Freshman

THESE ARE THE REQUIREMENTS:

1. A high school diploma or GED certificate from an approved institution.

2. A minimum grade point average of 2.0 on a 4.0 scale.

3. Completion of the following courses with a grade of C or better:

4. A minimum SAT score of 1000.

5. A minimum ACT score of 18.

6. Completion of the following courses with a grade of C or better:

7. A minimum ACT score of 18.

8. Completion of the following courses with a grade of C or better:

9. A minimum ACT score of 18.

ADMISSIONS

Requirements and Procedures

TYPES OF ADMISSION

There are 5 types of undergraduate admissions:

FRESHMEN – Applicants who have never attended any college or university as a regular student. Also, applicants who have attended college but who have earned less than 12 hours of credit are considered freshmen.

TRANSFER STUDENTS – Applicants who have at least 12 hours of college credit at one or more colleges or universities.

INTERNATIONAL STUDENTS – Applicants who are not U.S. citizens. For purposes of admission and academic placement, applicants who have received their education outside the continental United States or whose native language is not English will also be included in this category.

NON-DEGREE STUDENTS – Applicants who wish to earn credit but not pursue a degree from Barry.

READMISSION STUDENTS – Applicants who have previously been regularly enrolled at Barry.

All applicants are required to submit a complete application form and a nonrefundable application fee. The University has a commitment to admit only qualified students. For details on admission read the information below as it applies to your particular situation.

FRESHMEN STUDENTS

- official high school academic record, or equivalent, from an accredited high school.
- test results from the SAT (Scholastic Aptitude Test) or ACT (American College Test). Foreign students should refer to the International Students' Admissions section.
- positive recommendation of guidance counselor or principal.

The official high school academic record should show: (1) graduation, or satisfactory progress toward graduation if applying prior to completion of 12th grade; (2) course work, including English, Social Studies,

Mathematics, and Natural Science. The minimum number of specific units required in these areas will vary depending on the major program pursued at Barry.

Students planning to major in Nursing must present two units of laboratory science, including chemistry and biology, and satisfactory completion of Algebra II.

Students planning to major in Mathematics must present three and one-half units of mathematics (including 2 years of algebra, geometry, and trigonometry.)

Students planning to major in Chemistry must present at least three or four units of mathematics, and one unit of high school chemistry with laboratory science.

Students planning to major in Education or to be certified to teach must present an SAT score of 840 or an ACT score of 17.

Students planning to major in Biology or any Allied Health area must present three and one-half units of mathematics (including algebra, geometry, and some background in trigonometry), as well as two units of laboratory science (including biology and chemistry). Satisfactory completion of these requirements for admission and successful completion of 30 semester hours, including freshman biology, chemistry and mathematics, will qualify the student to continue in the Division.

For students planning to major in Biology - Physical Therapy Track a personal interview will be required before the first professional year.

The Cardiovascular Perfusion Program requires a personal interview before initial acceptance into the program.

Early Decision

Students may apply during their junior year in high school to receive an early decision from Barry University. In order to do so, students must take the Scholastic Aptitude Test (SAT) or American College Test (ACT) by May of their junior year in high school and submit all of the admission requirements listed under Freshmen Students.

Early Admission

Exceptionally well-qualified students may be considered for admission prior to graduation from high school. Ordinarily, students are admitted only after they have been graduated from an approved high school. However, students recommended by their counselors for outstanding achievement may be considered for admission upon the completion of their third year in high school.

The bases of selection for early admission are as follows:

1. Recommendation of the high school counselor and three teachers.
2. Outstanding quality of the applicant's high school record.
3. Satisfactory performance on the Scholastic Aptitude Test or American College Test.
4. Personal qualifications.

The procedure for making application for early admission is basically the same as for regular admission to the freshman class, except that the applicants must submit in writing their reasons for wishing to enter the University before graduation from high school.

The first year of credit completed with satisfactory grades (C or above) will apply toward degree requirements at Barry University. The credits also may be used to complete high school requirements, and when approved by high school authorities, earn a diploma. In order for Barry University to forward a student's transcript of credits to the high school principal, a signed form authorizing the release of credits must be submitted to the Office of the Registrar. When the high school diploma and final transcripts are issued, copies should be filed with the Office of the Registrar at Barry University.

TRANSFER STUDENTS

- two copies of official transcripts from each college previously attended.
(Incomplete transcripts must be updated as soon as all coursework is completed.)
- Transfer Reference Form completed by the Dean of Students or Faculty Advisor at the last college attended.
- copy of high school academic record if applicant is under 21 years of age.

Applicants must present a minimum cumulative grade point average of 2.00 in all previous college work, and be in good standing at the last institution attended in order to be considered for acceptance into the University.

In accordance with the policy outlined below, Admissions Counselors prepare a Tentative Evaluation of Transfer Credit for all courses taken prior to admission to the University. This evaluation is generally received at the same time a student is notified of acceptance into the University, or shortly thereafter.

Transfer credits from regionally accredited colleges or universities are transferable to Barry in semester hour equivalents. A maximum of 64 credits will be accepted by the University from a regionally accredited two-year (junior) college. No course work in which a grade below C is earned will be accepted in transfer. Neither will credit be allowed for vocational courses or for courses taken below the acceptable college

level. Grades and grade point averages will not be transferred, nor will they appear on the Barry transcript.

Credit for experiences which appear to have been assigned and supervised by the academic institution while the student was matriculated (such as Internship, Field Placement, Co-op Education Work Experience, Field Experience, and Practicum) may be acceptable in transfer when the credits have been transcribed with a course number, title, number of credits, and a grade, and with permission of the Dean.

Credit for prior college-level learning attained outside a formal institution setting but assessed by the academic institution during the student's matriculation (such as Life Experience, Prior Learning Assessment, Experiential Learning Assessment, and Portfolio Assessment) are not normally acceptable in transfer. Exceptions may be made with permission of the Dean, when such credits have been transcribed with a course number, title, number of credits, and a grade.

Transfer students who expect to qualify for a baccalaureate degree must complete thirty uninterrupted credits of course work at Barry and must fulfill all requirements of the program which they elect to follow and the University distributive requirements for graduation.

Acceptance of transfer credit as fulfilling specific distribution requirements in English and mathematics will be determined by the achievement of satisfactory scores in the placement examinations given prior to first enrollment. Specifically exempt from this policy are second bachelor's degree candidates, students in the School of Adult and Continuing Education, RN's in the BSN Option, and students who have passed the CLAST exam.

Transfer students entering the University with less than sophomore status (30 semester hours) and planning to major in Allied Health, Biology, Chemistry, Mathematics, Music or Nursing must meet the high school requirements of freshmen applicants (refer to Freshmen Students.)

Transfer students planning to enter the Education program or to be certified to teach must present an SAT score of 835 or an ACT score of 17.

Once enrolled, students wishing to take additional courses at another college or university for the purpose of transferring the credits back to Barry University *must obtain prior written approval from the appropriate school dean*. Also it should be noted that no more than six (6) credits may be transferred and once a student has attained junior status (60 credits), no transfer credits are acceptable from a community or junior college.

Any concealment by a transfer applicant of previous college registration or previous academic or disciplinary record in college will immediately cancel and nullify the admissions process at Barry University.

ARTICULATION AGREEMENT BETWEEN BARRY UNIVERSITY AND MIAMI-DADE COMMUNITY COLLEGE

Barry University and Miami-Dade Community College entered into an agreement in the summer of 1986 that governs the matriculation at Barry University of Associate of Arts graduates from Miami-Dade.

Students should seek assistance from Miami-Dade's Advisement and Graduation Information System (AGIS) in order to be informed of suggested and required courses that they should take as part of their Associate of Arts Degree program at Miami-Dade and to satisfy requirements for transfer to Barry.

INTERNATIONAL STUDENTS

As an international university, Barry has always welcomed students, faculty, and visitors from other countries.

Eligibility for Admission

International students may be admitted to Barry University if they meet the University's admission requirements. For the purpose of admission to Barry University, an international student is: a student who has received high school and/or university level education outside of the United States and/or a student who requires a Student Visa. The basic admission requirement for students from other countries is determined by the University and varies with the experience and background of the applicant. The minimum academic requirements for students from some countries are given below. These requirements are intended only as a guide to applicants; they are subject to further qualitative evaluation. All applicants must provide official transcripts with English translation and counselor recommendation.

Undergraduate Applicants

- Argentina-Bachillerato
- Bahamas-5 Academic GCE "O" Level Subjects or CXC exams
(Grade I or II)
- Barbados-5 Academic GCE "O" Level Subjects or CXC exams
(Grade I or II)
- Bolivia-Bachillerato
- Brazil-Certificado de Conclusao de 2' Grau
- Canada-Grade 12 High School Diploma or 1st year of C.E.G.E.P.
- Chile-Licencia Secundaria
- China, Republic of - High School Graduation
- Colombia-Bachillerato
- Dominican Republic-Bachillerato
- Ecuador-Bachillerato
- Egypt-General Secondary Certificate of Education
- El Salvador-Bachillerato
- Finland-Matriculation Certificate

France-Baccalaureat
Germany-Maturity Certificate
Greece-Apolytirion
Guatamala-Bachillerato
Haiti-Baccalaureat Partie II
Honduras-Bachillerato
Hong Kong-5 Subjects on Hong Kong Certificate of Education
India-Higher Secondary School Certificate, Division I and
Division II
Indonesia-Idjazah S.M.A. Diploma
Iraq-Baccalaureat
Israel-Matriculation Certificate (Bagrut Examination)
Italy-Diploma Di Maturita
Jamaica-5 Academic GCE "O" Level Subjects or CXC exams
(Grade I or II)
Japan-High School Graduation
Jordan-General Secondary Certificate of Education
Korea-High School Graduation
Kuwait-General Secondary Certificate of Education
Lebanon-Baccalaureat Part II
Libya-General Secondary Education Certificate
Malaysia-5 Subjects on Malaysian Certificate of Education
Mexico-Bachillerato
Morocco-Baccalaureat
Netherlands and Netherland Antilles-VWO or HAVO
Nicaragua-Bachillerato
Nigeria-5 Academic Credits on the WASC
Norway-Examen Artium
Pakistan-Higher Secondary Certificate, Division I and II
Pakistan-Higher Secondary Certificate, Division I and II
Panama-Bachillerato
Paraguay-Bachillerato
Peru-Certificate of Completion of Secondary Studies
Philippines-High School Graduation and NCEE results
Saudi Arabia-General Secondary Certificate of Education
Singapore-5 Academic GCE "O" Level Subjects
Sweden-Matriculation Certificate
Switzerland-Maturity Certificate
Syria-General Secondary Certificate of Education
Thailand-Matayom Suksa V
Trinidad-5 Academic GCE "O" Level Subjects or CXC exams
(Grade I or II)
Turkey-State Lycee Diploma
United Kingdom-5 Academic GCE "O" Level Subjects
Uruguay-Bachillerato
Venezuela-Bachillerato

Certification of Eligibility (Form I-20 A) – United States Department of Justice Immigration and Naturalization Service Certificate of Eligibility (Non-Immigrant “F-1” Student Status) will be provided to admitted students upon student request following completion of all admission requirements and receipt of verification deposit. A financial statement (needed prior to issuing an I-20 Form) must also be submitted. The University does not award financial assistance to international students. Payment of tuition and fees is required at the beginning of each term. All checks should be made payable to: Barry University. The financial statement should include:

1. A notarized letter of support or government sponsorship letter guaranteeing payment of tuition and fees, books, room and board, medical insurance, and personal expenses for an academic year.
2. A bank letter stating that the student or his sponsor has the funds available to pay the total cost associated with attending Barry.

International students should be familiar with the regulations of their governments about sending money to the United States and should make arrangements to have the necessary funds available at the designated times of enrollment. Documentary evidence of means of financial support must be attached to the Certificate of Eligibility when applying for the student visa at the United States Embassy or Consular Office.

Students must fulfill the following conditions:

- Pursue a degree course of study as a full-time student. International students may not enroll as non-degree students.
- May not transfer schools or work off-campus without Immigration and Naturalization Service permission. Normally employment is not permitted by Immigration Services.
- Keep a current passport that is valid for at least six months into the future.

Arrival-Departure/School Transfer – Non-Immigrant alien visa students are required to attend Barry University as indicated on the Arrival-Departure Record (Form I-94) by immigration officials at the U.S. port of entry. They are expected to complete at least one semester at this institution prior to requesting transfer to any other educational institution.

Permanent Resident Status – When a student has permanent resident status the “Alien Registration Receipt Card” (“green card”) must be presented to the International Student Office at the time of registration.

Admission Procedures

1. Application for Admission must be filled out completely and accurately.
2. Non-refundable application fee of U.S. \$25 must accompany application.

3. Educational Documents

a. Diplomas, Certificates

Copies should be enclosed with the application. Students from countries following the British educational system must submit the originals along with photocopies, and a stamped, self-addressed envelope for their return, or ask the examinations council to mail confidential results to Barry University.

Reports of scores in school-leaving examinations (e.g. Baccalaureat) must also be submitted.

b. Transcripts, Statements of Marks

A transcript must contain the following information: subjects studied; marks (grades) awarded; length of class periods; number of periods per week for each subject; grading scale with minimum passing mark.

Year-by-year records of marks should be sent to Barry University directly from U.S. institutions. Certified and notarized records from foreign institutions may be submitted by applicants, but the University sometimes insists that such transcripts be sent directly to Barry University from the issuing institutions.

4. English Translations

Documents in language other than English must be accompanied by certified English translations. Translations supplement but do not replace original documents. Please remember to send both.

5. Syllabus of university study (description of each course or subject studied, grading scale showing the minimum passing mark, length of class periods and number of periods per week for each subject, accompanied by certified English translations.)

6. A current (within the past six months) bank or government sponsorship letter (declaration of finance) guaranteeing payment for tuition and fees, books, room and board, medical insurance and personal expenses of one calendar year (two semesters and two summer sessions) is required.

Examinations

All international applicants whose native language is not English, including those applying for transfer from U.S. institutions, are required to submit the results of the Test of English as a Foreign Language (TOEFL). Applicants who submit a TOEFL score of at least 550 will not be required to take courses in English as a Second Language. Academically qualified applicants whose TOEFL score is less than 550 may be admitted to the Cross Cultural Program—Applicants with scores less than 475 will be required to improve their English proficiency.

Also accepted as satisfactory proof of English proficiency is the College-Level Academic Skills Test (CLAST) reflecting a passing score in the

English portion. **For TOEFL application write to: The TOEFL Program, Box 899, Princeton NJ 08540, U.S.A.**

The Scholastic Aptitude Test (SAT) or the American College Test (ACT) are not required of international students. However, international students are advised to take the SAT or ACT, if possible, for it can often establish admissibility for an applicant when his/her foreign records alone do not, or can qualify him/her for one of the University merit scholarships.

For SAT information and application forms, applicants in Japan, Taiwan, Australia, or the Philippines should write to: College Entrance Examination Board, 800 Welch Road, Palo Alto, California 94194. Other applicants should write to: The Educational Testing Service, Admissions Testing Program, Princeton, New Jersey 08540.

For ACT information and application forms all applicants should write to: The American College Testing Program, Registration, P.O. Box 414, Iowa City, Iowa 52243.

NON-DEGREE STUDENTS

The University recognizes that some applicants may wish to take courses at Barry for the purpose of personal enrichment, teacher certification, or to secure credits to transfer to a college where they are already enrolled in a degree program (guest student). Undergraduate students must present proof of high school diploma, or equivalent, as an admission credential. Guest students are required to present a letter from the dean of the college in which they are enrolled stating that they are in good standing in all respects. Undergraduate students admitted to non-degree status are limited to 30 credits in this category. Non-degree seeking students who wish to change their status to degree seeking must meet all the requirements for degree seeking applicants.

PLACEMENT TESTING FOR ALL UNDERGRADUATES

All new undergraduate students (freshmen, transfer, non-degree) must take placement tests in writing and mathematics at the time of their first enrollment. Students must complete coursework indicated by placement exams in order to maintain enrollment at Barry University. Acceptance of transfer credit as fulfilling specific distribution requirements in English and mathematics will be determined by the achievement of satisfactory scores in these examinations. Specifically exempt from this policy are second bachelor's degree candidates, students in the School of Adult and Continuing Education, RN's in the BSN Option, and students who have passed the CLAST exam UNLESS they have English or Math courses to complete at Barry.

RE-ADMISSION AND CHANGE OF STATUS

The process of re-admission must be completed by students who were once enrolled at Barry University, but whose schedules have been inactive for at least a calendar year. The Request for Change of Status

or Re-Admission Form must be completed by the student and returned to the Office of Admissions at least 30 days prior to the expected date of matriculation. This same procedure is also to be completed by students who were enrolled on a non-degree-seeking basis, and who now wish to enter an undergraduate degree program at Barry.

Students returning to the program after suspension or a leave of absence are bound by the regulations in place at the time of readmission.

ALL APPLICANTS FOR ADMISSION

It is the responsibility of the applicant to take required tests and have the results forwarded to Barry University, and to make sure all credentials required are supplied to the Office of Admissions. No action will be taken by the Admissions Committee on any application until all application credentials have been received by the Office of Admissions. Applications must be processed and acceptance verified no later than 10 days prior to the published date of registration for the semester in which the student wishes to matriculate.

Acceptance to the University does not mean acceptance to some of our clinical or professional programs, i.e., Nursing, Medical Technology, Social Work. Refer to these programs for specific information on admission to clinical/professional status.

The University reserves the right of final decision. All credentials submitted in support of an application become the property of the University and will not be returned.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The College Level Examination Program, an activity of the College Entrance Examination Board, makes available examinations through which a student may earn credit toward the bachelor's degree outside the regular classroom situation. Two types of examinations are offered: Five general examinations (English composition, humanities, mathematics, natural science and social sciences) and a number of subject examinations.

The granting of credit is contingent upon the following conditions and limitations:

1. Each score is acceptable to Barry University according to current University criteria.
2. A maximum of 30 credits will be accepted through CLEP, and all CLEP credit must be earned prior to achieving junior status (60 credits).

3. A student may not receive credit for a general examination if he or she has already earned college credit in a discipline covered by the appropriate general examination.
4. The student may not receive credit for a subject examination which covers the same subject area in which the student has already earned college credit.
5. Credit will not be awarded in cases of duplication nor will equivalencies be changed to remedy such duplication.
6. Maximum CLEP credits in any one discipline may not exceed six.
7. A fee of \$20.00 per credit must be paid to cover administrative costs.
8. Up to six credits in French or Spanish will be granted for CLEP upon completion of at least six credits in Spanish or French beyond the elementary level taken at Barry University.

Some departments are unwilling to accept CLEP credit as part of a major or minor, and all departments within the University reserve the privilege of review in these cases. If CLEP credit interferes with a major or minor and the department is unwilling to accept the credit to satisfy a course requirement, the CLEP credit will be accepted as an elective or as a distributive requirement. For newly accepted degree-seeking students the award of CLEP credit is made by the Office of Admissions; for enrolled students, the award of credit is processed through the Office of the Registrar. All CLEP credit is accepted on a credit/no credit basis. A maximum of 30 credits will be accepted through approved testing programs.

ADVANCED PLACEMENT PROGRAM (AP)

The Advanced Placement Program, an activity of the College Entrance Examination Board, provides for the establishment of college-level courses in secondary schools. Students who take such a course or courses may then take special examinations prepared by the College Entrance Examination Board.

Credit for Advanced Placement examinations is based on the one-year AP experience. Credit is given only in cases of scores of 3 or better. Credit varies from 3-8 semester hours, depending on equivalencies available at Barry University. In no case will credit be given for more than one year's work. AP credit cannot be duplicated either in regular courses or through CLEP. A maximum of 30 credits will be accepted through approved testing programs. Credits are accepted on a credit/no credit basis. The award of AP credit is made by the Office of Admissions.

STUDENT LIFE

STUDENT LIFE POLICIES

The University, in recognizing that each member of the campus community possesses certain rights and responsibilities, seeks to aid in the development of an atmosphere of respect and responsibility.

In order to coordinate the needs of the individual and the goals of the University, a committee of students, faculty and administrators has established Student Life Policies. These policies are viewed as directives, guidelines and limits set to assure equality, respect and concern for individual rights and community living. These policies are published in the University's *Student Handbook*.

HOUSING

On-campus accommodations within the residence halls are available to full-time degree-seeking, undergraduate students. Air- and non-air-conditioned single, double and quad rooms with baths are available within the residence halls.

All students desiring to live on campus must request housing applications from either Admissions or the Residential Life Office. Acceptance by the University does not assure a student of on-campus housing unless the student completes the application for housing.

Before being assigned a room, each resident must pay a \$200.00 room/security deposit. This payment reserves the room for the length of the housing agreement. It may also be used as restitution for damages assessed, should any occur during the student's stay in the residence halls. This deposit will remain in a separate account and carry over from year to year while the student is residing on campus. If no damage has been assessed after a room has been properly checked out, the \$200.00 deposit will be returned.

A resident, moving out of the residence halls during his/her agreement period, will forfeit his/her deposit.

Housing applications must also be accompanied with a proof of health insurance or an indication of a desire to purchase university health insurance.

The residence hall and dining facilities are closed during the Christmas holidays and during the periods between the end of the summer session and the opening of the fall semester.

Off-campus housing listings are available through the Office of Residential Life for students interested in pursuing living accommodations in the community.

COUNSELING SERVICES

The Student Development Center provides confidential, personal, social, academic, and career counseling to all students. Assertiveness training and other developmental workshops are offered. Students are encouraged to visit a counselor and are assured that confidentiality is maintained. When requested, or when appropriate, referrals are made to the University consulting psychiatrist, physicians, and/or community agencies.

CAREER COUNSELING AND STUDENT DEVELOPMENT

The Student Development Center seeks to encourage personal responsibility on the part of students in life and career planning. Exploration of educational and career opportunities is facilitated to assist students' personal development. Our goals are:

1. to support and encourage each student who is attempting to make career/life choices and
2. to help each student recognize his/her unique abilities, interests and skills, and to combine these creatively into a desirable career alternative.

To accomplish this developmental task, the Center for Student and Career Development provides the following services:

1. Career counseling
2. Credential (placement file) service
3. Part-time job listings
4. Full-time career positions listings
5. On-campus interviews
6. Workshops of resume writing, interviewing and other job seeking and career skills
7. Career Library containing occupational and organizational information
8. Computer assisted guidance program
9. Internship Program

Students are encouraged to begin their career search during the freshman or sophomore year by becoming familiar with the Student Development Center and its services. Candidates for Barry University degrees are urged to file their credentials at least one semester prior to graduation.

GORDON RULE

Students who plan to transfer to a college or university in the Florida State system should fulfill the Gordon Rule relative to writing and math requirements 1) Four courses (12 credits) that each include a minimum of 6,000 written words 2) Two math courses (6 credits) at or above the level of college algebra.

TESTING SERVICES

Testing is offered to assist students with academic, vocational, or personal problems. The student may be self-referred simply by request, or may be referred by faculty advisors and/or counselors.

Reliable, valid, and current interest, personality, and aptitude tests are provided. The service is available to all Barry students free of charge, with the exception of a minimal fee for the computerized scoring of the Strong Campbell Interest Inventory and the Myers-Briggs Test.

The results of all tests are interpreted to the student, and the final report becomes the property of the student.

Institutional examinations such as the Miller Analogies Test are also administered as a service to those wishing to pursue graduate study.

ORIENTATION

An orientation period is conducted by Barry University prior to registration to aid the incoming student to adjust to University life.

Students meet faculty advisors, members of the staff, counselors, fellow students and administrative officers so that all phases of the University are made familiar to them. Campus tours are conducted to acquaint new students with the facilities of the University.

Placement testing, group discussions and individual conferences on traditions, purposes, rules and regulations, study habits, academic standards and counseling are undertaken during this period.

Parents and guardians are invited to attend an opening session.

ORIENTATION 100

Orientation 100 (ORI 100) is a one semester, one credit course open to all freshman and new students. The objectives are to help students adjust to Barry University and to encourage positive attitudes about themselves and the learning process. Skills essential for academic and personal success will be presented. All new students are encouraged to register for this course.

CAMPUS STORE

The Campus Store is open for the services and needs of the students of Barry University. Books, supplies, and other sundries are available for purchase. The bookstore is located in Thompson Hall, first floor.

FOOD SERVICE

Food service is available in Thompson Hall, second floor, on a cash basis. Students on a meal plan will present appropriate ID card. Meals are served cafeteria-style seven days per week and include, Monday – Friday, breakfast from 7:00 am to 9:30 am, lunch from 11:30 – 1:15 pm, and dinner from 4:45 – 6:45 pm. On Saturday, breakfast is served from 8:30 am – 10:00 am, and the Sunday brunch is served from 10:30 am – 1:15 am.

There is a Canteen located on the first floor of Thompson Hall which is also available to all students.

HEALTH SERVICES

Students have access to a health program offered through the campus clinic, where a registered nurse is on duty. Services provided include:

- (1) First aid and emergency assistance
- (2) Evaluation of episodic illness
- (3) Health resource information and anticipatory guidance in health education
- (4) Referral to community health professionals. Payment is the responsibility of the student.

All students must be covered by some type of health insurance. The University offers a group insurance program to which students must subscribe if they do not have similar coverage. All resident and international students are required to have proof of health insurance, 2 MMR vaccines, tetanus diphtheria vaccine in the last ten years and a Physician's Report in the Health Center.

INTERNATIONAL STUDENT SERVICES

Barry University recognizes that a great university ideally builds and extends its services, its potential, its scholarly standing by providing an international dimension through its curriculum and the composition of its student body. It actively promotes international cultural/educational interchange.

The services of the International Student Advisor are available in matters related to government regulations, Immigration and Naturalization Services (INS), housing, employment, academic, athletic and personal matters. This attempts to participate in the process of adjustment which faces international students as they experience new cultural and academic phenomena. The University wishes to provide sensitive and understanding support for those who are in need of assistance.

SPORTS ACTIVITIES

Barry offers a comprehensive sports program at both the intercollegiate and intramural levels.

Intercollegiate Athletics

At the intercollegiate level, Barry University competes as an active member school in the National Collegiate Athletic Association (NCAA), Division II and the Sunshine State Conference. Planned intercollegiate sports for academic year 1991-92 include: men's baseball, basketball, cross country, golf, soccer and tennis; women's basketball, cross country, soccer, softball, tennis, and volleyball.

The 1991-1992 academic year will be our eighth year of competitive intercollegiate athletics. As an NCAA member school, Barry University extends a traditional role of academic excellence and identity into an intercollegiate athletic program which offers national recognition for the student-athlete. All full-time undergraduate students are welcome to "try-out" for any intercollegiate sport. Everyone is welcome to **BACK THE BUCCANEERS!**

Coaching Staff

Men's:	Baseball	Bruce Barclay
	Basketball	William Mims
	Cross Country	Joseph Whitehead
	Golf	TBA
	Soccer	Ian Martin
	Tennis	George M. Samuel
Women's:	Basketball	TBA
	Cross Country	Joseph Whitehead
	Soccer	Michael Covone
	Softball	TBA
	Tennis	George M. Samuel
	Volleyball	TBA

Intramural Sports

The general purpose of the Intramural Sports Program at Barry is to provide students, faculty, and staff with opportunities to participate and compete in various sports and recreational activities for personal enjoyment, social fulfillment, and lifetime fitness.

Available team and individual sports and recreation activities will be primarily determined by student interest. On-campus facilities accommodate all intramural sports activities. Planned activities include: men's flag football, men's basketball, women's basketball, co-ed softball, tennis, billiards, ping pong and racquetball tournaments.

STUDENT GOVERNMENT ASSOCIATION

The Student Government Association serves as a liaison between the undergraduate student body and the administration and faculty. All full-time undergraduate students are members of the Association, which is governed by an Executive Board consisting of sixteen elected

representatives. Ten members are elected during the spring semester with the remaining six places filled early in the fall semester. A chairperson (or co-chairperson), a secretary, and a treasurer are elected from the membership of the Executive Board.

CAMPUS ORGANIZATIONS

A number of clubs and departmental organizations offer membership to the student body in general:

Accounting Association, Ambassadors, American Marketing Association, Art Club, Bahamian Club, Barry Education Association, Barry Soviet Exchange Council, Black Student Organization, Circle K, Computer Club, College Entrepreneurs, Cheerleaders, Danceline, Delta Phi Epsilon, Delta Sigma Phi, Economics Club, French Club, Golden Z, Haitian Club, Honors Student Society, Intramurals Club, International Student Organization, Phi Kappa Tau, Jamaican Association, Phi Alpha Delta, Political Science Association, Psychology Club, Public Relation Student Society of America, Rathskeller Committee, Republican Club, Residence Hall Association, Respect Life, Rugby Club, Science Club, Students for the Advancement of Management, Student Government Association, Soccer Booster Club, Spanish Club, Tau Kappa Epsilon, Trinidadian Club, Varsity Club, Volleyball Club, and Young Democrats.

FRATERNITY/SORORITY

Omega Chi Phi fraternity and Delta Phi Epsilon sorority are socially oriented service organizations open to students after they have completed the first semester of their freshman year. These organizations provide Barry students with an outgoing spirit of friendship and unity through various service projects and social functions held throughout the year.

HONOR SOCIETIES

Lambda Sigma is a Barry University campus honor society open to all undergraduate students, second semester freshman and above, and requires of its members a 3.00 (B) grade point average and active leadership in service on the Barry campus. Kappa Gamma Pi (National Catholic Women's Honor Society) is open to graduating seniors who have a 3.50 grade point average and an outstanding record of leadership and service. Delta Epsilon Sigma National Scholastic Honor Society for Men and Women is open to juniors and seniors who hold a 3.50 grade point average and demonstrate leadership in their respective fields. Alpha Chi is a national, coeducational honor society open to graduating seniors with a 3.70 grade point average and exemplary character. Sigma Theta Tau International, the honor society of nursing is open to juniors, seniors, and RN-BSNs in the top third of their class.

Seniors who have a grade point average of at least 3.00 (B) and a good leadership record may also be chosen to be listed in WHO'S WHO AMONG STUDENTS IN AMERICAN COLLEGES AND UNIVERSITIES.

Barry also holds memberships in the following national honor societies: Sigma Tau Delta (English), Alpha Mu Gamma (foreign languages); Beta Beta Beta (biology); Kappa Delta Pi (education); Phi Alpha Theta (history); Psi Chi (psychology); Theta Alpha Kappa (religious studies), and Delta Mu Delta Epsilon (business administration).

THEATRE

The University Theatre Department produces a diversified program of dramatic presentations. Throughout the year, theatre majors produce plays in traditional mime, experimental and puppet theatre. Students have the advantage of two performance areas, including the main auditorium and the Pelican Theatre. Barry's theatre companies are frequently called upon to perform for outside local organizations.

BARRY UNIVERSITY CHORALE AND BARRYTONES

The Barrytones is a performing group comprised of students who qualify for membership through auditions. The University Chorale is an organization dedicated to singing all styles and periods of music. It is open to students and interested community participants. No audition is required.

RECITALS AND EXHIBITS

Students specializing in instrumental and vocal music, as well as members of the Music and Theatre faculty, present studio recitals and public concerts. The Art faculty schedules exhibitions by contemporary artists throughout the year, in addition to student exhibitions and faculty exhibitions. Barry University points with pride to art objects executed by senior art majors and displayed throughout campus buildings.

CAMPUS MINISTRY

Campus Ministry is a service of faith and love offered by priests, religious, ministers of many faiths, faculty, staff and students who strive to build and support a vital, caring community, open to God in worship and prayer, alive to the human and spiritual needs of our own academic community and to the needs of society at large. It does this by enabling personal growth and development within our community by care and concern for persons; by celebrating the life of the community, by proclaiming the Gospel and its values; by building and strengthening a community of faith; by promoting participation and education in the work of social justice; and finally, by loving concern for students of all faiths, respecting their freedom to maintain and express their own religious convictions and facilitating access to and encouraging the availability of their own ministers or rabbis for worship, study or counsel.

PUBLICATIONS

University publications include the BARRY BUCCANEER, the university student newspaper; THE TORCH AND SHIELD, the university yearbook; and THE FLAME, published four times a year; the BARRY BULLETIN; and the CALENDAR OF WEEKLY EVENTS, all published by the Office of University Relations.

ALUMNI ASSOCIATION

The Board of Directors of the Alumni Association is a national Board representing seven geographic regions which meets annually on the Barry campus to plan the yearly business of the Association. The Association and its regional chapters help with student recruitment, reunions, receptions for new students, and special alumni events.

The Alumni Office and director of Alumni Relations are located in LaVoie Hall. With the support of the Association, the Office conducts an annual Alumni Fund Drive, including a phonathon, and coordinates a variety of alumni programs such as dinner/theatre parties, reunions, picnics, lectures.

TUITION, FEES AND FINANCIAL AID

At Barry University, the purpose of the Credit and Collection Department and the Office of Financial Aid is to act in partnership with students and their families to provide the necessary guidance in financial planning related to attendance. Students are encouraged to contact the Financial Aid Office, phone (305) 899-3660, or the Department of Credit and Collections, phone (305) 899-3591, for information and assistance.

The estimated cost per student is listed below. All students are assessed tuition and fees on a semester basis. All rates given are subject to change without notice.

1991-92

TUITION:

Undergraduate, full-time 12-18 credits, per semester	\$ 4,625.00
Undergraduate, part-time per credit	265.00
Credits in excess of 18, per credit.	265.00
Barry/St. George's Pre Med., per semester	5,130.00
Cardiopulmonary Perfusion Program (16 months)	\$15,000.00
BEC Undergraduate per credit	25.00
*Adult & Continuing Education, per credit.	145.00

***DISCOUNTED TUITION - NO FURTHER
DISCOUNT APPLIES**

FEES:

Orientation Fee (for new full-time undergraduate students)	50.00
Application fee, payable once.	30.00
Registration fee, payable each semester	10.00
Special Course fee	Variable
Graduation fee	40.00
Parking fee	10.00

Student Activities fee	
(full-time students)	90.00
(part-time students) per credit	7.00
(Podiatry students)	140.00
Portfolio Evaluation fee	Variable
Deferred Payment Plan fee	25.00
Health Insurance (8/15/90 to 8/15/91)	
Student only	283.00
International Students	293.00
Dependent spouse	425 to 1,700.00
Dependent child	213.00
Room Damage Deposit	200.00
(Refund determined by condition of room)	
Room and Board, per semester 20 meal plan	
(14 meal plan	\$25 less)
Triple/Quad Non-Air Conditioned Room	1,770.00
Triple/Quad Air-Conditioned Room	2,300.00
Double Non-Air-Conditioned Room	1,880.00
Double Air Conditioned Room	2,480.00
Private Non-Air-Conditioned Room	2,000.00
Private Air Conditioned Room	2,680.00
Drop/Add fee	10.00

TOTAL EXPENSES FOR EACH SEMESTER MUST BE PAID PRIOR TO COMPLETION OF REGISTRATION. STUDENTS SHOULD COME TO REGISTRATION PREPARED TO PAY THE DIFFERENCE BETWEEN ESTIMATED FINANCIAL AID, IF ANY, AND THE TOTAL CHARGES FOR THE SEMESTER.

DISCOUNT POLICIES DO NOT APPLY TO ALREADY DISCOUNTED COURSES.

STUDENTS WHO APPLY FOR GRADUATION AFTER THE GRADUATION REGISTRATION DATE WILL PAY A LATE FEE OF \$10.00

REFUND POLICY

Total Withdrawal from the University

Students who register but do not attend classes, or who withdraw for any reason after attending classes, will not receive credit unless they withdraw officially by submitting a written notice of withdrawal to the Office of the Dean of their respective School. The effective date of withdrawal will be the date on which the notice is received by the respective Dean and the percentage of credit will be determined by this date.

Student Dismissal

A student dismissed for academic or disciplinary reasons at any time shall not be entitled to any claim or refund. **Tuition, Room and Board Fees will be Credited on this basis:** If the student leaves within the first two weeks of the semester, 80% of the full semester charge is credited; within the first three weeks, 60% is credited; within the first four weeks, 40% is credited; within the first five weeks, 20% is credited. After the fifth week there is no credit. Refundable credit must be claimed within one calendar year. For purposes of determining the percentage of credit, the first week of classes will be considered the start of the semester, upon which credits will be based. The above percentages apply to students who have paid their tuition and fees in full prior to the day of withdrawal.

Summer School Refunds

If the student leaves within the first week of the summer session, 60% of tuition, room and board is credited; within the second week, 20% is credited. After the second week, there is no credit. Refundable credit must be claimed within one calendar year. For purposes of determining the percentage of credit, the first week of classes will be considered the start of the Summer Session.

All fees, outside of tuition and room and board, are non-refundable.

TUITION PAYMENT PLAN

Barry University offers the services of several private companies to provide an alternative method of paying for tuition and fees. Each company will assist students in budgeting monthly payments for tuition and fees. The companies offer a wide range of financing alternatives. Since many of these plans require enrollment during the summer preceding the student's first semester at Barry University, interested students and their families are urged to contact either the Financial Aid Office or the Department of Credit and Collection for additional information.

WITHDRAWAL POLICY FOR INDIVIDUAL COURSES

Students who drop individual courses after the Period of Schedule Adjustment and are still enrolled in the University are NOT ENTITLED to any refund or credit.

CHANGES MADE DURING THE PERIOD OF SCHEDULE ADJUSTMENT

Students dropping courses during the Period of Schedule Adjustment will receive total credit for the course and special course fee, if applicable, as long as the student remains enrolled in the University.

STUDENT DISMISSAL

A student dismissed for academic or disciplinary reasons at any time shall not be entitled to any claim or refund.

GRADES, TRANSCRIPTS AND DIPLOMAS

No student may receive a diploma, transcript of credits or final grade report until his/her financial account has been settled. This also includes delinquent amounts of loans.

PARKING

Parking on campus is available only with permit. A Barry University Parking Permit may be purchased at the time of registration.

HEALTH INSURANCE

Health insurance coverage is required for all students, intercollegiate athletes, and international students. The insurance is available for students taking six or more hours. The insurance fee will be charged if proof of insurance is not available in the Health Center for all resident and International students. It is the responsibility of the student to make sure insurance has been charged.

FINANCIAL AID

The purpose of the Office of Financial Aid at Barry University is to provide service to students who need financial assistance in order to enroll, or to continue at the University, in the form of financial aid and financial planning for their education. The commitment of Barry University to providing financial assistance to its' students is generous, personal and on-going. The Office of Financial Aid fulfills this commitment by following established procedures and practices which ensure the equitable and consistent treatment of all financial aid applicants.

The programs are administered in accordance with nationally established philosophies of financial aid for post-secondary education. The basis of these philosophies is the belief that the family is the primary resource for meeting educational expenses and financial aid is available for bridging the gap between those resources and college costs. The total cost of attending college will include not only tuition and fees, room and board, books and supplies, but also personal and travel expenses.

The Financial Aid Form (FAF), issued by College Scholarship Service (CSS), is the document used by Barry University to collect confidential information from parents and students for the purpose of determining a student's need for financial aid. This information is processed by CSS and the results are sent to Barry at the request of the student.

DETERMINING ELIGIBILITY FOR FINANCIAL AID

A student is eligible for financial aid when he or she meets all of the following criteria:

- Enrollment, or acceptance for enrollment, as at least a half-time student, in a degree-seeking program of study.
- U.S. citizenship, or qualification as an eligible non-citizen.
- Satisfactory academic progress.
- Completion of the necessary financial aid applications by the appropriate deadlines.

In order to qualify as an eligible non-citizen, students must be permanent residents with an Alien Registration Card, Form I-551 or Form I-551C, with a currently valid expiration date. Passports stamped "Processed for I-551" with a valid expiration date are also acceptable. Students may also present a "Temporary Resident Card," Form I-688, with a valid expiration date to qualify as eligible non-citizens. Note that the I-688A and I-688B do not qualify the student as an eligible non-citizen. No financial aid is available to International Students.

For federal financial aid purposes, "satisfactory academic progress" is defined as successfully completing 24 credit hours each academic year, and achieving a cumulative grade point average of 2.00 or above, if the student is registered as full time.

APPLYING FOR FINANCIAL AID

After applying for admission, students submit the completed packet of financial aid forms, available through Barry's Financial Aid Office. This packet includes: the Financial Aid Form (FAF), the Barry University Financial Aid Supplement Form, the Verification Statement, the Florida Tuition Voucher Application (Florida residents only), Financial Aid Transcripts (if the student attended prior institutions), parent and student income tax return and accompanying schedules for the prior year. In the 91-92 year, for example, the 1990 income tax returns would be submitted.

The Financial Aid Form (FAF) should be forwarded to the College Scholarship Service, Princeton, New Jersey, with the request that the results be forwarded to the Barry University Office of Financial Aid. The remainder of the supporting applications and documentation should be sent directly to the Office of Financial Aid at Barry. The priority deadline for receipt of these forms is April 1. Preference in awarding institutional funds is given to the students who apply by April 1, but financial aid applications are accepted year round.

Incoming freshmen who apply for financial aid, and whose files are complete by April 1, can expect to receive notification of their financial aid awards in May. Returning students whose files are complete by

April 1 will be notified of their financial aid awards in June. Students who apply for financial aid after the priority deadline will receive their notifications of aid in July and August.

TYPES OF FINANCIAL AID

Barry University participates in all federal and state financial aid programs. In addition, Barry provides institutional funding to supplement federal and state funding. There are three types of financial aid. They are gift-aid, work-aid, and loan-aid. Gift-aid is comprised of scholarships and grants from a variety of sources. Work-aid, in the form of jobs on campus, is both federally and university funded. Loan-aid can come from federal, private and university sources.

GIFT-AID does not have to be repaid. There are two types of gift-aid: scholarships and grants. Scholarships are awarded to students based on academic promise, and grants are awarded on the basis of financial need. **WORK-AID** awards allow students to work on campus to help defray the cost of education, while at the same time gaining valuable work experience. **LOAN-AID**, unlike scholarships and grants, is money that must be repaid. Repayment of these student loans usually begins after the student leaves school.

FEDERAL PROGRAMS

PELL GRANT. The Pell Grant serves as the foundation to which other sources of aid are added. Students enrolled for at least 6 credits per semester may be eligible for Pell. The awards range, depending on the need of the student, from \$200 to \$2400. Once a student receives a Bachelor's Degree, he/she is no longer eligible for the Pell Grant.

STAFFORD STUDENT LOAN (FORMERLY GUARANTEED STUDENT LOAN). Funds for this program are provided directly by banks, credit unions, and other lending institutions. Stafford Loans are need based. The maximum amount available per academic year for freshmen and sophomores is \$2625. Juniors and Seniors may borrow up to \$4000 per academic year. The interest rate on these loans is currently 8% for new borrowers through the first four years of repayment, and 10% thereafter. Repayment begins six months after leaving school, and students have up to 10 years to repay.

SUPPLEMENTAL LOAN FOR STUDENTS (SLS). These loans, also provided directly by banks, credit unions, and other lending institutions are available to independent students. SLS loans are non-need based and students may borrow up to \$4000 per academic year. The interest rate is variable, not to exceed 12%. Repayment begins within 60 days after loan disbursement, however, the lender may defer the student's payments while the student is enrolled full time. Students have up to 10 years to repay.

PARENT LOAN FOR UNDERGRADUATE STUDENTS (PLUS). Parents of dependent students may borrow the PLUS loan which is

made available by various lending institutions. The maximum amount parents may borrow is \$4000 per academic year, per student. The interest rate is variable, and will not exceed 12%. Repayment begins within 60 days after loan disbursement. Some deferments are available to parents. Parents have up to 10 years to repay.

COLLEGE WORK-STUDY PROGRAM (CWS). This federally funded, need based program enables students to work part-time on campus to help defray educational expenses. Through the assistance of the CWS Coordinator, students are assigned to available jobs based on their skills and abilities, and are paid on a monthly basis. College Work-Study gives the student a unique opportunity to earn money for college while at the same time gain invaluable work experience for the future.

PERKINS LOAN PROGRAM (FORMERLY NATIONAL DIRECT STUDENT LOAN). This low-interest (5%) loan, made by Barry University but federally subsidized, is awarded to students based on financial need. A student must complete and sign a promissory note with the school. Repayment begins 9 months after leaving school.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG). Students with exceptional financial need may qualify on a first-come, first served basis for this federally subsidized grant. Only students who are Pell recipients may receive SEOG. Awards range from \$200 to \$2000 per academic year. Once a student receives their Bachelor's Degree, they are no longer eligible for this grant.

STATE OF FLORIDA PROGRAMS

FLORIDA TUITION VOUCHER FUND (FTV). This program provides tuition assistance to full-time undergraduate students from Florida attending private, independent colleges and universities located in the state. Students who have been residents of Florida for at least twelve consecutive months are eligible for the voucher. This program provides up to \$1200 per academic year, subject to state budget appropriations. Applications are available from the Financial Aid Office and must be submitted each academic year. Students may continue to receive funds from the program **only** if they participate in the College-Level Academic Skills Test (CLAST). The CLAST must be taken **prior to the end of the semester** in which 60 credit hours are earned.

FLORIDA STUDENT ASSISTANCE GRANT (FSAG). This grant, also based on financial need, ranges from \$200 to \$1300 per academic year. Students must use the Florida FAF to apply, and the application must be received by April 15. A new application must be submitted each year.

Students from Barry University also participate in the Florida Undergraduate Scholar's Fund, Paul Douglas Teacher Scholarship Loan Program, Jose Marti Scholarship Challenge Grant Fund, "Chappie" James Most Promising Teacher Scholarship Loan Program, and the Critical

Teacher Shortage Student Loan Forgiveness Program, as well as other state programs. Information on any of these programs may be obtained from high school guidance counselors or by contacting the Office of Student Financial Assistance, Florida Department of Education, Tallahassee, Florida, 32399-0400.

STATE GRANT PROGRAMS OUTSIDE FLORIDA

Incoming students from Alaska, South Carolina, Delaware, the District of Columbia, Massachusetts, Vermont, Rhode Island and Pennsylvania should know that their state grants are "portable." Students from these states who qualify, based on financial need, can use these grants to attend a college or university outside their state. These grants can, therefore, be applied towards a student's cost of education at Barry University.

UNIVERSITY PROGRAMS

Academic Scholarships Provided by the University

PRESIDENTIAL AND ACADEMIC MERIT SCHOLARSHIPS. Presidential and Academic Merit Scholarships are awarded annually on a competitive basis to students with high scholastic achievement, demonstrated extracurricular activities, and good character. These scholarships are available to incoming freshmen and transfer students applying for full-time status, and they are awarded without consideration of family income. Scholarships are renewable provided the recipient maintains a grade point average of 3.25 or above for the Presidential, and 3.0 or above for Academic Merit Scholarships. Students must also be in good disciplinary standing. Qualified students should request a scholarship application from the Office of Admissions.

FOCUS ON EXCELLENCE SCHOLARSHIPS. Barry University's Focus on Excellence Scholarships recognize outstanding students from all Florida high schools. Only one student will be selected for receipt of this scholarship from each respective high school. In order to be considered, students must be superior high school seniors who have a minimum combined score of 1100 on the Scholastic Aptitude Test, a 3.5 or higher grade point average on a 4.0 scale, and rank in the upper ten percent of their graduating class. These are full tuition scholarships and are renewable provided the student maintains a 3.3 grade point average. Students must contact the Office of Admissions to apply.

CLINTON D. HAMILTON SCHOLARSHIP. This scholarship, named in honor of the Executive Vice-President of Broward Community College, is awarded to one Honors Program Graduate of BCC who has achieved a cumulative grade point average of 3.6 or above. This scholarship is valued at the full tuition cost of the University for one academic year. It may be renewed if a 3.0 cumulative grade point average is maintained.

ROBERT McCABE SCHOLARSHIP. This scholarship, named in honor of the President of Miami-Dade Community College, is awarded to one Honors Program graduate of MDCC who has achieved a cumulative grade point average of 3.5 or above. This scholarship is valued at the full tuition cost of the university for one academic year. It may be renewed for one more year if a 3.5 cumulative GPA is maintained.

ARCHDIOCESAN SCHOLARSHIPS. Each parish in the Monroe, Broward, Dade tri-county area may recommend a \$2000 scholarship for a high school student from their parish who has at least a minimum combined score of 1000 on the SAT or a composite score of 24 on the ACT. The recipient must also have 3.0 (4.0 scale) or higher grade point average in high school, and demonstrate exemplary volunteer service in the parish to which they belong. At least two letters of recommendation must be submitted by parish representatives, in support of the applicant, and one letter must be from the pastor. This student may be eligible for other academic scholarships. One Archdiocesan scholarship is available to each parish in the tri-county area. Contact the Office of Admissions for additional information.

PRE-MARC/MARC SCHOLARSHIPS. Barry University provides Minority Access to Research Careers (MARC) through a long term renewable grant awarded to the University's Division of Biological and Biomedical Sciences by the United States Department of Health and Human Services. This scholarship is provided to increase the number of well-prepared minority students who can compete successfully for entry into graduate programs leading to a doctorate in a biomedical science. Students must be Biology, Chemistry, Mathematics or Psychology majors. For more information contact Sr. John Karen Frei, O.P., Ph.D., Project Director, Division of Biological and Biomedical Sciences, Barry University.

GOLDEN DRUM SCHOLARSHIP. Golden Drum is the name chosen by the Achievers of Greater Miami to identify this program designed to reward outstanding high school seniors in Dade and Broward counties. In addition to recognizing the talents, academic achievement, and community service contributions of students participating in the Golden Drum competition, the program includes full tuition scholarship awards to students attending participating universities and colleges like Barry University. Applications are distributed to public and private high schools in Dade and Broward counties annually during the month of September. Students interested in applying for the Golden Drum competition should contact the guidance counselor or the CAP (College Assistance Program) counselor in their respective schools. Eligible applicants must be high school seniors of African decent, a citizen or permanent resident of the United States and meet admission requirements of the university to which they apply.

Professional Scholarships Provided by the University

The following professional scholarships are valued at 30% of tuition:

SOCIAL WORKERS. Scholarships are available for part-time students enrolled in the evening Social Work program employed as full-time social workers, unless tuition is paid through a grant or subsidy. Scholarships apply only to the period of study in evening part-time classes.

NURSES. Scholarships are available for students employed as full-time registered nurses, unless tuition is paid through some type of grant or subsidy.

TEACHERS. Scholarships are available for students employed full-time as teachers in Florida, unless tuition is paid through some type of grant or subsidy.

RELIGIOUS ORDERS. Scholarships are available for students who are members of a religious community.

UNIVERSITY STUDIES. Scholarships are available for students enrolled in the University Studies Program.

Grants Provided by the University

ATHLETIC GRANTS. Barry University offers athletic grants to students who show outstanding ability in any one of the intercollegiate sports programs offered by the University. Interested students should contact the appropriate Head Coach or the Director of the Athletic Department.

BARRY GRANTS. Funds are provided by the University to assist students who demonstrate academic promise and exceptional financial need. Awards range from \$500 to \$2000 per year. These awards are made on a first-come, first-served basis.

PARISH GRANTS. Incoming freshmen may be eligible for a grant through their parish or church, worth up to \$1000 per academic year. Students must contact their church for sponsorship. If the church or parish is willing to support the student, Barry will match that contribution up to \$500 per year.

FAMILY TUITION REDUCTION PLAN. Families having more than one full-time undergraduate student enrolled at Barry University during the same time period pay full tuition for the first student, then receive a \$500 per year reduction for the second student, a \$1000 per year reduction for the third student, and a \$1500 per year reduction for the fourth student. Students eligible for this grant must file a written request for this grant with the Office of Financial Aid.

SUMMER SCHOOL TUITION REDUCTION. Reduced tuition rates are in effect during the summer sessions, thus affording the full-time undergraduate student an opportunity for earlier graduation by taking summer classes at a reduced rate.

Work Programs Provided by the University

BARRY EMPLOYMENT PROGRAM (BEP). The purpose of this program is to promote part-time, on-campus employment of students who need employment earnings to help meet their cost of attendance. Students must be enrolled full time to be eligible. Payment for work performed is made monthly in the form of a credit to the student's tuition account. Students will be considered for this program regardless of their financial need. Awards range from \$250 to \$900 per semester.

INTERNATIONAL BARRY EMPLOYMENT PROGRAM (IBEP). As with the Barry Employment Program, IBEP provides part-time, on-campus employment to International students not eligible for any other form of financial aid. Payment is made in the same manner as noted above for the Barry Employment Program. Students must also be enrolled full time. Awards range from \$500 to \$1100 per semester.

Scholarships Subsidized by Friends of the University

Funding for the following scholarships may change from year to year. Please contact the Office of Financial Aid for information on availability and for applications, unless otherwise noted.

MONSIGNOR WILLIAM BARRY SCHOLARSHIP. This scholarship, funded in loving memory of Monsignor William Barry by Mrs. Ucola Katzentine, is awarded to a student who demonstrates superior academic achievement and involvement in extra-curricular activities and who is financially needy.

FORREST J. FLAMMANG SCHOLARSHIP. Under the will of Forrest J. Flammang, a trust fund was established to distribute funds to private higher educational institutions located in Dade County. The funds are used to provide scholarships for needy students.

ADELAIDE FREY MEMORIAL. This scholarship, funded by the Frey family in loving memory of Adelaide Frey, is used to assist undergraduate women who demonstrate financial need. Several awards are available each year.

MIAMI HEAT SCHOLARSHIP. Students who graduated from high schools in the Overtown area are eligible for this scholarship. Two scholarships are available each year, worth \$5000 each. Recipients are chosen by the Executive Vice President of the Miami Heat Organization.

PAUL & MARY MINNAUGH THEATRE SCHOLARSHIP. This scholarship is available to students who are Theatre majors. Students must contact the Theatre Department for further information.

PILOT INTERNATIONAL MIAMI SHORES CHAPTER SCHOLARSHIP. This scholarship is available to sophomore, junior and senior women majoring in business, education or nursing. Applicants must demonstrate financial need, strong leadership qualities, strong potential and academic accomplishments. In addition, the applicant must be

a Florida resident and be enrolled as a full-time student. Applications, recommendations and financial statements should be submitted prior to November 1, to the Miami Shores Chapter Scholarship Committee.

SISTER ELAINE SCANLON SCHOLARSHIP. This scholarship was established by the Barry Auxiliary in honor of Sister Elaine Scanlon, O.P., who served as Auxiliary President from 1986 to 1989. The scholarship was established to assist undergraduate students who need financial assistance in order to continue their studies. Recipients are chosen at the discretion of the Auxiliary.

SISTER M. DOROTHY BROWNE, O.P., ALUMNI SCHOLARSHIP. This scholarship was established by the Alumni Association in honor of Sister M. Dorothy Browne, O.P., President of Barry College from 1963 to 1974. Awards are made to children of the alumni. This award is \$1000 and may be renewed annually if a 3.0 cumulative grade point average is maintained.

GRACE R. SOUTHMAYD SCHOLARSHIP. The recipient of this \$800 scholarship will serve an internship in the Alumni Office, providing needed service to Barry University while developing interest and commitment to the Alumni Association.

EVELYN AND PHIL SPITALNY SCHOLARSHIP. The purpose of this scholarship is to provide encouragement for the Music Department and Music students at Barry University. Three Music scholarships will be awarded annually as a result of this endowment. The recipients will be chosen by the head of the Music Department in consultation with the Dean of Arts and Sciences.

AVERILL STEWART SCHOLARSHIP. James Stewart, a member of the Barry University Board of Trustees, established this scholarship in memory of his wife, Averill Stewart. It is valued at full tuition plus room and board. To apply, a student must have a 3.5 high school average, and have been actively involved in extracurricular activities. The scholarship can be renewed annually if the recipient maintains a 3.25 cumulative grade point average, therefore, it may only be available once every four years.

EDWARD A. TOMESKI SCHOLARSHIP. A \$1000 scholarship is available each year in loving memory of Dr. Edward Tomeski, a former Professor of Management in the School of Business at Barry University. This scholarship was established through the generosity of the Tomeski family. The student recipient must be a Business major, in their sophomore, junior, or senior year of study, and must have financial need. The recipient will be chosen by the Dean of the School of Business.

CHERYL GOVORCHIN WISEHEART MEMORIAL SCHOLARSHIP. This scholarship was established by Dr. Gerald G. Govorchin and Lillian Govorchin in memory of their daughter, a versatile and talented musician whose career was tragically cut short. The scholarship is awarded to students majoring in music. Selection is on the basis

of need, academic achievement, and potential, with preference given to students studying piano or harp. A grant of \$500 is available each semester.

Loan Programs Subsidized by Friends of the University

Funding for the following loan programs may change from year to year. Please contact the Office of Financial Aid for information and applications, unless otherwise noted.

GEORGE AND AMELIA COURY LOAN. Through the generosity of George and Amelia Coury, low-interest loans are available to students from Dade County.

MABEL SCOLLIN KELLEY LOAN. A loan fund of \$5000 was willed to Barry University by Mrs. Mabel Kelley, who expressed the desire that a revolving fund be established in her memory, and be made available to worthy students needing to borrow money to meet college expenses.

LYNNE WAX MEMORIAL LOAN. Established in 1977, this program enables full-time students to receive short-term loans with no interest. The period of repayment cannot exceed 12 months from the date the promissory note is signed.

WYOLENE NEAL LOAN. This loan fund, with awards up to \$800, was founded in 1961 by the parents of Wyolene Neal, and is available to a commuting student from the Miami area.

JORDAN DAVIDSON FOUNDATION LOAN. Through the generosity of Mr. Jordan Davidson, loans of varying amounts are offered to students who demonstrate financial need.

BAL HARBOUR ROTARY LOAN. Loans are awarded by the Bal Harbour Rotary Club to students who are Nursing majors. To be eligible, students must demonstrate financial need, academic potential, be residents of Dade County and be registered in their junior or senior year.

SISTER ALICE JOSEPH MOORE, O.P., LOAN. This fund provides loans for tuition on a ninety-day repayment basis. The fund is restricted to graduate, senior or junior students in teacher education programs. The student must have a grade point average of 3.0 or above and must have financial need. The Dean of the School of Education must approve recipients of this loan.

SCHOOL OF NURSING PROGRAMS

Students enrolled in the School of Nursing are eligible for many scholarships, loans and grants for both undergraduate and graduate study. Interested students may obtain further information on the following programs from the School of Nursing. Only Nursing majors are eligible for these programs.

Scholarships

BLACK NURSES ASSOCIATION, INC., MIAMI CHAPTER. Black students who are U.S. citizens, Florida residents, have a 2.5 GPA or higher and who have financial need are eligible to apply for this \$1000 scholarship.

NATIONAL STUDENT NURSES' ASSOCIATION, INC. This professional organization serves as a clearinghouse for numerous organizations offering scholarships to Nursing students. Qualifications include scholastic achievement and financial need. Award amounts vary. Students complete one application for all scholarships for which they are eligible.

FLORIDA NURSES ASSOCIATION, DISTRICT 32. Nursing students who have been residents of Broward county for at least one year, have at least a 2.0 GPA, and have financial need, may be eligible for this \$400 scholarship. Students may be part-time, but must carry at least 3 credit hours in Nursing.

BREVARD HEART FOUNDATION, INC. Brevard County residents are eligible for this scholarship. Awards range from \$500 to \$1000 and students in all the nursing program options are eligible to apply. Priority is given to students in their senior year.

BUSINESS/PROFESSIONAL WOMEN'S FOUNDATION. The Foundation serves as a clearinghouse for 3 scholarships. Undergraduate Nursing students who are U.S. citizens, women, 25 years of age or older, and who are in their junior or senior year may apply for these need-based scholarships of \$100 to \$1000. Students do not need to be full-time.

FLORIDA NURSES ASSOCIATION, DISTRICT 21. Nursing students who live in Broward County, have financial need, and at least a 2.5 GPA are eligible to apply for this \$300 scholarship.

ASSOCIATION OF OPERATING ROOM NURSES, SOUTH FLORIDA. Senior Nursing students in their final semester who have a 3.0 GPA and who plan to work in the operating room setting after graduation may apply for this scholarship.

AMERICAN ASSOCIATION OF CRITICAL CARE NURSES. The Association provides scholarships to registered nurses pursuing the BSN degree and carrying at least a 50% academic load in their junior or senior year. The student must maintain a 2.0 GPA, be a member of AACN, be currently employed, and have worked one year of the last three in a critical care area.

LETTIE PATE WHITEHEAD FOUNDATION. Scholarship funds are available for female nursing majors who have financial need and are residents of one of the following states: Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee or Virginia. Information may be obtained from the School of Nursing.

NURSE EDUCATIONAL FUNDS. This scholarship is for U.S. citizens who are registered nurses pursuing the BSN degree. The nurse must belong to the American Nurses Association, be a full-time student, and have financial need. The award ranges from \$2000 to \$5000.

ONCOLOGY NURSING FOUNDATION. To be eligible, the student must be a registered nurse pursuing the BSN or MSN degree and have an interest in oncology nursing. The award for undergraduate study is \$1000, and \$2500 for graduate study.

NURSING TUITION REDUCTION. This tuition reduction plan, supported by the Florida Department of Education, allows 20 students in the Accelerated Nursing Option to enroll at the tuition rate of the State University System. To qualify, the student must be a Florida resident and demonstrate financial need.

Loan Programs

HANDSEL FUND. This fund provides loans to students with financial need enrolled in the School of Nursing. Loans from this fund are repayable at 3% interest at the time of graduation or when the student ceases enrollment.

DADE COUNTY MEDICAL ASSOCIATION AUXILIARY. Nursing majors are eligible for this \$1500 to \$2000 loan. Receipt of the loan is based upon financial need and academic achievement. The student recipient agrees to practice in Dade County for one year after graduation. The loan is interest free if repaid within two years of graduation.

LOAN REPAYMENT PROGRAM. Graduates who have unpaid educational loans and who work 3 years in a qualified health facility may be eligible to have 85% of their loans forgiven. These facilities include federal, state, regional and county hospitals, and community health centers.

Service Payback

ARMY/AIR FORCE R.O.T.C. To qualify for an R.O.T.C. Scholarship, Nursing students must be U.S. citizens, under 25 years of age, have a 2.5 GPA or higher. They must also have at least 2 years of college left, and must be able to meet additional Army requirements. R.O.T.C. Scholarships cover tuition, books, fees and a subsistence allowance for 2 to 4 years in return for 4 years of active duty or 8 years of reserve duty as a nurse in the Army or National Guard.

NAVY. Junior nursing students with a 3.0 GPA are eligible for 2 years of pay allowance as a seaman. In return, the graduate will serve 4 years with the Navy.

VETERANS ADMINISTRATION HEALTH PROFESSIONAL SCHOLARSHIP PROGRAM. U.S. citizens, enrolled in Nursing full time in their junior or senior year, are eligible for this scholarship which

pays tuition, books, fees, and a stipend. One year of employment in a VA hospital after graduation is required for each year of funding.

PARALYZED VETERANS ASSOCIATION OF FLORIDA, INC. Each year, 2 senior nursing students at Barry receive \$3000 scholarships from this organization. In return, they agree to work for 1 year at a V.A. Medical Center in the spinal cord injury service.

In addition to the sources listed above, many hospitals offer programs which provide money for tuition in return for employment at that hospital, usually 1 year for every year of tuition support. Hospitals frequently provide support for their employees pursuing the BSN or MSN degree. Contact your hospital of employment for further information.

VETERANS AND ELIGIBLE DEPENDENTS EDUCATIONAL ASSISTANCE

The Federal Government has programs which provide financial assistance for veterans and eligible dependents of certain veterans. Information may be obtained from the local or regional Veterans Administration Offices or by calling the Office of Financial Aid, Veterans Coordinator.

STANDARDS OF PROGRESS POLICY FOR VETERANS. Satisfactory progress for a student receiving veterans educational benefits is indicated by a Satisfactory Progress Average (SPA), a variation of the Quality Point Average (QPA). An SPA of 2.0 or greater for an undergraduate student is satisfactory; less than 2.0 is not satisfactory. Any time a student's SPA is not satisfactory, s/he will be certified, in a probationary status, for only one additional semester. If, at the end of this additional semester, the student's SPA is still below the satisfactory level, the Veterans Administration (VA) will be notified of the unsatisfactory progress and the student's veterans educational benefits will be terminated. A student whose educational benefits have been terminated by the VA for unsatisfactory progress may petition the University for recertification. A University official will discuss the problems relating to the unsatisfactory progress with the student. If the cause of the unsatisfactory progress has been removed, s/he will be recertified for veterans educational benefits.

CREDIT FOR PREVIOUS TRAINING. Students eligible to receive educational benefits from the U.S. Department of Veterans Affairs with previous post-secondary training/experience must request official transcript(s) be sent to Barry University. If the transcript(s) is not received by the end of the first semester, the student's educational benefits will be terminated until the transcript(s) is received. Should credits be accepted, the student's training time and total tuition costs* will be reduced proportionately. The VA and the student will receive a written notice of credits allowed.

*This reduction refers to total costs involved in obtaining the degree. Costs are reduced since credits at another institution are applied toward this degree. This does not imply a credit reduction allowance for veterans or eligible dependents.

OUTSIDE SOURCES OF SCHOLARSHIPS AND ASSISTANCE

Many organizations not affiliated with the University, such as local civic groups and fraternal organizations, offer grants and scholarships for which many students are eligible. Students are encouraged to inquire about these potential sources of assistance by visiting the Office of Financial Aid. Updated reference materials are always maintained to research possible sources of scholarships and grants. It is important to note, however, that it is usually unwise to subscribe to scholarship-finding services that charge a fee. Many of these companies have been found to be fraudulent. The information that most students seek is always available through the Office of Financial Aid, and is always free of charge.

ACADEMIC INFORMATION

GENERAL

Knowledge of Regulations

Students are responsible for compliance with the regulations of the university and should familiarize themselves with the provisions of this bulletin distributed by the Office of Admissions; the Student Handbook, distributed by the Office of Student Affairs; posted official notes, and official instructions given to students. While Barry University provides academic advising, the responsibility for planning individual programs rests with the students. Students are expected to become familiar with the requirements of the University, of the Schools in which they are enrolled, and of their major disciplines.

Policy on Release of Information

Barry makes every endeavor to keep the student's educational records confidential and out of the hands of those who would use them for other than legitimate purposes. All members of the faculty, administration and clerical staff respect confidential information about students which they acquire in the course of their work. At the same time, Barry tries to be flexible enough in its policies not to hinder the student, the institution, or the community in their legitimate pursuits.

Documents submitted by or for the student in support of his application for admission or for transfer credit cannot be returned to the student, nor sent elsewhere at his request. In exceptional cases, however, where another transcript is unobtainable, or can be secured only with the greatest difficulty (as is sometimes true with foreign records), copies may be prepared and released to prevent hardship to the student. The student should present a signed request. Usually the copy, marked as a certified copy of what is in the student's file, is released. In rare instances the original may be released and the copy retained, with a notation to this effect being placed in the file.

Advisors

Prior to registration, students are assigned faculty advisors. Students and advisors meet periodically to plan programs and evaluate progress. Each semester the registration form with the choice of courses must

be approved and signed by the faculty advisor. The School Deans supervise the academic advising program and are available for consultation with students.

Attendance

Students are expected to attend classes and laboratory sessions. At the beginning of the semester, all instructors will define specific requirements for attendance in their classes as they relate to the course grade.

Summer Sessions

Summer sessions are held every year, one during May and June, the other in June and July. A student may earn six credits each session. Requirements for admission to the summer sessions are the same as for the regular academic year. Students matriculated at another college must have written permission from their Dean to take specific courses at Barry. No other academic credentials are needed for guest students.

Withdrawals

Students withdrawing from the University must do so officially by submitting a written notice of withdrawal to the Office of the Dean of their respective School. The effective date of withdrawal will be the date on which the notice is received by the Dean. Students withdrawing from course(s) must do so officially by obtaining the course withdrawal form from either their advisor or the Office of the Registrar. The withdrawal form must be signed by the advisor and sent to the Office of the Registrar for final processing. An unauthorized withdrawal results in failure in course(s).

Class Adjustments

After registration, any changes in schedule (adding, dropping, or changing a section of a class) must be authorized by the student's advisor.

Grade Reports

Grade reports are issued at the end of each term. Any error in designation or omission of course should be reported to the Registrar within two weeks of receipt. No student may receive a transcript of credits or final grade report until his or her financial account has been settled.

Academic Grievance and Appeals

Students who have academic grievances are to follow the normal chain of command in seeking resolution of disagreements. For example, students having problems with faculty members must meet personally with the faculty member concerned. If an agreement cannot be reached, the student may then see the appropriate Dean. Failing resolution with the Dean, a student may file a Grade Appeal Form with the Chair of the Committee on Grades. It should be noted that letter grades

(A,B,C,D,F) are the sole province of the course instructor and cannot be changed to another letter grade by any administrator. A charge of bias or capriciousness in grading must be in writing and must be substantiated by reasonable evidence.

Distribution Requirement Objectives:

Distribution requirements are intended to achieve a wide range of learning outcomes in general studies. Specifically, they are designed to fulfill the following instructional objectives:

- To explore diverse modes of religious experience and expression with emphasis on Judeo-Christian tradition.
- To inquire into classic philosophic concepts in order to gain perspective into human issues, judgment and understanding.
- To demonstrate correct and effective writing.
- To demonstrate competence in organizational patterns, outlining, and research.
- To develop clear and persuasive oral expression.
- To develop an understanding of scientific concepts with emphasis upon scientific observation, scientific methods, and analytical thinking.
- To develop understanding of mathematical concepts and competence in quantitative skills.
- To develop the ability to analyze historical, political, or economic data with emphasis upon interrelatedness of events and processes.
- To examine and understand theoretical and applied aspects underlying individual and group behavior.
- To develop an appreciation and understanding of a genre or period of literature, or to develop skill in a foreign language.
- To develop an appreciation of the fine arts (art, music, theatre) from either a historical or creative viewpoint.

Graduation Requirements:

(1) Satisfactory completion of at least 45 credits of distributed coursework, including 9 credits in each of the following curricular divisions with a minimum of 3 credits in each of the ten subdivisions:

- | | |
|-----------------------------------|-------------|
| 1. Theology and Philosophy | - 9 credits |
| 2. Written and Oral Communication | - 9 credits |
| 3. Science and Mathematics | - 9 credits |
| 4. Social and Behavioral Sciences | - 9 credits |
| 5. Humanities and Arts | - 9 credits |

Total Distribution Requirements 45 credits

The above distributed coursework must be selected from an approved list of courses from the areas below:

- | | |
|-------------|--|
| Fine Arts: | Art, Music, Theatre |
| Humanities: | English, French, Humanities, Spanish,
Chinese, Italian, Russian |

- Mathematics: MAT 101 or above
- Sciences: Biology, Chemistry, Physics
- Behavioral Sciences: Anthropology, Criminal Justice, Psychology, Sociology
- Social Sciences: Economics, Geography, History, Political Science

- (2) Satisfactory completion of a minimum of 120 credits with a cumulative average of 2.00 (C). Of the total, a minimum of 48 credits must be in courses numbered above 299. The last 30 credits and the majority of the major coursework must be completed at Barry University.
- (3) Individual schools may require satisfactory completion of an integrative experience in the major field(s) during the semester immediately preceding graduation. Students planning to attend graduate school may submit GRE scores to fulfill this requirement. Other examples of integrative experiences are written or oral comprehensive exams, internships, and field work.
- (4) Completion of a major. Specific requirements are given in the introduction to each of the 50 majors, and at least four major plans are available:
- (a) A Single Major (40-60 credits)
 - (b) One Major (30-40 credits) and one or two Minors (20-30 credits in each)
 - (c) Two majors (30-40 credits in each) with or without a Minor (20-30 credits)
 - (d) One Major and Core Curriculum (60 credits) in the School of Business

Credits in the area of the major or minor beyond the maximum number of credits specified above will not fulfill the 120 credits required for graduation.

All requirements for the degree must be completed before students take part in a graduation ceremony.

DEGREES AND MAJORS

In its undergraduate programs, the University offers the degrees of Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Fine Arts (B.F.A.), Bachelor of Science in Nursing (B.S.N.), Bachelor of Professional Studies (B.P.S.), Bachelor of Liberal Studies (B.L.S.), and the Bachelor of Science in Technology (B.S.T.).

The University offers over 50 undergraduate majors:

Accounting (B.S.)
Art (B.F.A.)
Art Management (B.A.)
Biology (B.S.)
 Applied Biology
 Marine Sciences
 Medical Lab Technology Track
 Physical Therapy Track
 Pre-Dental Medicine
 Pre-Medicine
 Pre-Podiatric Medicine
 Pre-Veterinary Medicine
Broadcast Communication (B.A.)
Chemistry (B.S.)
 Pre-Pharmacy
Communication Arts (B.A.)
Computer Science (B.S.)
Criminal Justice (B.S.)
Cross-Cultural Program
Cytotechnology (B.S.)
Diagnostic Medical Ultrasound Technology (B.S.)
Economics/Finance (B.S.)
Elementary and Early Childhood (Primary) Education (B.S.)
English (B.A.)
 Journalism
 Literature
 Professional Writing
French (B.A.)
History (B.A.)
Hospitality Management (B.S.)
International Studies (B.A.)
Liberal Studies (B.A.) (Liberal Arts)
Management (B.S.)
Management Information Systems (B.S.)
Marketing (B.S.)
Mathematical Sciences (B.S.)
Medical Technology (B.S.)
Nuclear Medicine Technology (B.S.)
Nursing (B.S.N.)
 Basic Option
 R.N. to B.S.N./M.S.N. Option
 Accelerated Option
 Two-Year Transfer Option
 L.P.N. to B.S.N. Option
Occupational Therapy (B.S.)
Philosophy (B.A.)

Photography (B.A.)
 Physical Education (B.S.)
 Political Science (B.S.)
 Pre-Engineering Program
 Pre-Law (B.A.)
 Professional Studies (B.P.S.)
 Psychology (B.S.)
 Public Relations (B.A.)
 Recreational Diving Management (B.S.)
 Sociology (B.S.)
 Spanish (B.A.)
 Sport Management (B.S.)
 Sports Information (B.S.)
 Sports Medicine (B.S.)
 Athletic Training Track
 Exercise Science Track
 Technology (B.S.T.)
 Telecommunication (B.S.)
 Theatre (B.A.)
 Theatre Management (B.A.)
 Theology (B.A.)
 Undecided

CHANGE OF MAJOR

Students wishing to change their academic major or add another major to their academic program must submit a Request for Change of Major form with the office of the dean of the school in which the student is enrolled.

MINORS

Minor concentrations are available in specific subject areas, as well as the following interdisciplinary areas: Peace Studies and Women's Studies.

Additional courses offered in the following area of study:

- | | |
|-----------------|---------------------------------------|
| 1. Anthropology | 5. Physics |
| 2. Geography | 6. Secondary Teacher
Certification |
| 3. Humanities | 7. Speech |
| 4. Nutrition | |

A number of courses and programs at Barry University provide for an inter-disciplinary approach to education. Examples include Bio-Medical Ethics, Humanities, Liberal Studies, Pre-Law, and International Studies.

STUDENT CLASSIFICATION AND STATUS

An undergraduate student's classification is determined by the number of credits earned as follows:

Freshman	1 to 29 credits earned
Sophomore	30 to 59 credits earned
Junior	60 to 89 credits earned
Senior	90 credits or above earned

An undergraduate student's status is determined by the number of credit hours attempted in a given semester/term as follows:

Full-time	12 credits or above
Part-time	11 credits or below

DECLARATION OF MAJOR

All students, including transfers, must declare a major at the completion of 60 credit hours.

CLASS LOAD

The recommended academic load is 15-17 credits during a regular semester and 6 credits during a summer session. To attempt more than 18 or 6 credits, respectively, requires the recommendation of the faculty advisor, written approval of the appropriate Dean, and a 3.00 (B) average.

DEPARTMENTAL PROFICIENCY EXAMINATIONS

Students who believe that they are qualified in any course offered by the University and are interested in placement and/or credit may petition to take a departmental examination covering the course, with the approval of the Dean, providing such an examination is offered. These examinations do not satisfy residency requirements. A fee of \$20.00 per credit must be paid to cover administrative costs.

INDEPENDENT STUDY

Independent study may be an option for degree-seeking students in certain academic areas. Students must have plans for the research project approved by the academic advisor, the faculty member who will supervise the project, and the Dean. Students may register for no more than one such project each semester. Regular tuition charges are applied to independent studies.

TUTORIAL

In unusual circumstances, an academic Dean may approve the offering of a course listed in the catalog on a one-to-one (tutorial) basis. Regular tuition charges apply to coursework taken as a tutorial.

SPECIAL TOPICS

Contents of Special Topics classes will be determined by the individual departments as requested by faculty and/or students to fill specified needs or interests. Special Topics are designated by the course number 300.

GRADING SYSTEM

Barry's undergraduate grading system, based on class work and examination, follows:

Superior achievement	A	4.00 honor points per credit
Above average	B	3.00 honor points per credit
Average.....	C	2.00 honor points per credit
Below Average.....	D	1.00 honor points per credit
Failure	F	No honor points
CR.....	Credit	Credit awarded for achievement at or above the D level; no honor points; not computed in GPA; equivalent to passing grade, A-D.
Progress	PR	No credit awarded; it indicates progress but does not mean satisfactory completion; not computed in GPA.
No Credit	NC	No credit awarded; achievement below D level; not computed in GPA; equivalent to F grade.
Incomplete	I	An incomplete grade must be made up within the semester following its receipt. It is the student's responsibility to arrange with the instructor for satisfactory completion of course requirements. Incomplete grades assigned in the semester of graduation will result in postponement of graduation. Upon completion of the course, the student must re-apply for the next graduation.

Withdrawed..... W Granted to students who officially withdraw before the last five (5) weeks of a regular semester or the last two (2) weeks of the summer session. If a student officially withdraws within the last five weeks prior to final examinations of a regular semester and within the last two weeks of the summer session, a grade penalty is earned. Grade penalty means an F grade and the credits are computed in the grade point average.

CHANGES IN WITHDRAWAL POLICY FOR FULL SEMESTER CLASS

Weeks..... 2nd week to the 5th = W
 6th week to the 10th = WP or WF
 11th week to the 15th = F

CREDIT/NO CREDIT

Students may select one course per semester, in addition to Instructional Activities in Sports and Recreation courses, subject to the usual maximum load limitations, for which the official record of performance shall indicate only whether or not course requirements are completed satisfactorily. A student on academic probation may not elect the CR/NC option.

This option may not apply to courses in the student's major/minor or to courses required for professional preparation. The student must elect the option at the time of registration; any changes must be made within the regularly-scheduled period for class adjustments. A student may not repeat a course under the CR/NC option for which the previously earned grade was other than W.

A maximum of twenty-four (24) credits, in addition to physical education courses, may be taken under the CR/NC option (CLEP and Proficiency Examinations excluded). Credits earned under this option are applicable to the number of credits needed to fulfill degree requirements. Students must enroll for the Credit/No Credit option in all physical education courses; no letter grades are issued.

GOOD STANDING – PROBATION – SUSPENSION

A student is in Good Academic Standing if the cumulative grade point average (GPA) is 2.00 or above.

A student is on Academic Probation if the cumulative grade point average (GPA) falls below 2.00. The dean of the appropriate School

may require a student on probation to register for a limited course load.

A student will be suspended who

- a) receives less than a 1.00 GPA during either of the first two semesters of attendance at Barry University;
- b) has completed fewer than 60 credits and receives a cumulative GPA below 2.00 for 3 consecutive semesters;
- c) has completed more than 60 credits and receives a cumulative GPA below 2.00 for 2 consecutive semesters.

A student who has been suspended for academic reasons generally may not petition the Registrar for readmission until one year has elapsed. The Registrar's Office must have the approval of the dean of the appropriate School to readmit a student following suspension.

A student suspended for any reason will be subject to those criterion and guidelines as specified in the university catalog in effect at the time of readmission.

OFF-CAMPUS ENROLLMENT/TRANSFER OF CREDITS

Barry University students who wish to take courses at another college or university for the purpose of transferring the credits back to Barry must obtain prior written approval from the appropriate School Dean. Students who have attained junior status (60 credits) may not transfer credits from a community or a junior college. Once a student is enrolled as a degree-seeking student at Barry, no more than six (6) credits may be transferred toward a Barry degree. Courses taken through consortia are resident credits and are not counted as transfer credits. Only credits are transferred, not grades or grade point averages.

GRADUATE CREDIT FOR QUALIFIED UNDERGRADUATE SENIORS

Undergraduate students at the senior level with a high academic average in their field may be authorized to enroll in six graduate credits while completing undergraduate requirements. Such course work will require the written approval of the Dean. This approval does not presume automatic admission into a graduate program. Undergraduate students who wish to enroll in graduate courses must follow the steps below:

- (1) Have a faculty advisor certify to the Dean that all undergraduate graduation requirements will be met.
- (2) Have the Dean file a letter with the Registrar prior to registration stating that the student will meet all requirements for a bachelor's degree and that the graduate credits (3 or 6) are over and above all undergraduate requirements.

REPEAT COURSES

With prior written authorization from the appropriate Advisor and Dean, a student may repeat a course to improve the cumulative grade point average.

If a student has an F and repeats the course and receives an A, only the A counts. Quality points and credits attempted and earned for the second attempt are counted in lieu of those earned for the initial attempt. Though both attempts remain part of the student's permanent record, the cumulative grade point average will reflect only the grade earned on the second attempt. The Credit/No Credit Option cannot be exercised during the second attempt to remove a previous letter grade.

DEAN'S LIST

To be eligible for the Dean's List, students must have achieved a grade point average of 3.50 taking at least twelve credits on a graded basis with no incomplete grades or grade lower than a C.

PRESIDENT'S LIST

To be eligible for the President's List, students must have achieved a grade point average of 4.00 taking at least twelve credits on a graded basis with no incomplete grades.

GRADUATING WITH HONORS

In order to qualify for graduation with distinction, a student must have taken a minimum of 56 credit hours at Barry carrying letter grades of A,B,C, or D, and must have maintained a grade point average of 3.50 or above. Only courses taken at Barry are computed in determining honors. The GPA will be rounded using the third decimal place.

For distinction, CUM LAUDE, a grade point average of 3.50 is required; for MAGNA CUM LAUDE, 3.70; and for SUMMA CUM LAUDE, 3.90.

ROTC

Barry University students may enroll in Army or Air Force ROTC courses through cross-registration with the University of Miami. Eligibility for registration is determined by the ROTC Department at the University of Miami, in accordance with appropriate Armed Service Regulations. Academic credit is awarded by Barry, although an administrative fee may be charged by the ROTC

Department at the University of Miami. Uniforms, textbooks, and equipment essential to the ROTC program are furnished by the U.S. government.

ROTC scholarships are available from both the Army and the Air Force and cover anywhere from one to three years of college. Scholarships pay for the cadets' tuition, fees, books and provide \$100.00 per month spending money.

Further information about the ROTC Program is available through the Office of Admissions.

HONORS PROGRAM

Purpose of the Program

The Barry University undergraduate Honors Program is designed to add both breadth and depth to the educational experience of students in the Honors program. The Honors curriculum offers the intellectually curious student an opportunity to analyze problems, synthesize theories and actions, evaluate issues facing our complex society and develop leadership skills. The program gives superior students the opportunity to interact with faculty members whose knowledge and expertise, as well as their own willingness to explore non-traditional academic avenues, will enable these students to challenge the frontiers of their ability.

Qualifications

Freshmen or transfer students who have a minimum combined SAT score of 1000, a minimum GPA of 3.50 (in high school or university, respectively), and/or obtain the approval of their academic advisors in consultation with the Honors Program director are invited to participate in the Barry University Honors Program.

Students who are Presidential Scholars or Focus on Excellence scholarship recipients are strongly encouraged to participate in the program, provided they meet the standards set.

Structure

Students are expected to enroll in the Honors Program during each of their four years at Barry University, with the exceptions noted under "Requirements."

Qualified freshman students enroll in a freshman seminar during both fall and spring semesters. These seminars are team-taught, interdisciplinary explorations of critical issues. The intellectual environment permits students to focus on the responsibilities and challenges of the program, and helps to determine a student's willingness to commit him/herself to the entire program.

Sophomore students take special topic honors courses open only to honors students. These courses address a subject or area of concern within a traditional academic discipline.

Junior and Senior students enroll for "In-Course Honors" in regular university classes in which they undertake projects relating to those

courses under the guidance of the faculty member. A thesis, research study or project is expected to emanate from one of these courses.

By giving honors students a campus presence and by encouraging the cohesiveness of the group that enters as freshmen, the University hopes to foster a group identification and intellectual camaraderie that will endure long beyond their educational experience at Barry University.

Requirements

To receive the designation of Honors Program participation on the final transcript, honors students must fulfill the following requirements:

- (1) A minimum of 24 credit hours in honors courses which, except for transfer students, must include the Honors Seminar sequence and two special topic honors courses;
- (2) A minimum of 12 credit hours in honors courses from outside the area of the major;
- (3) While the demands of particular academic programs may require individual adjustments, the suggested sequence for Honors courses shall be:

- (a) Freshman Year – HON 101 and HON 102 (6 credit hours)

An interdisciplinary Honors Seminar to be team-taught by two faculty members. The course sequence will fulfill an Honors Program requirement (see 1) and will also count towards general graduation requirements as elective credits;

- (b) Sophomore Year – Two special-topic honors courses (6 credit hours)

Each year faculty members will be invited to submit course proposals for special topic Honors courses from which the Honors Program Council will select a certain number to be offered. The special-topic honors courses will be given under the respective department's course code so that the courses may fulfill not only the Honors Program requirements but also, in some cases, part of a student's distribution requirements or major/minor requirements.

- (c) Junior Year – Two in-course Honors courses (6 credit hours)

Students will work with a faculty member on a special Honors Project/Assignment within the structure of a regular course offering. Honors students registering for in-course Honors must clearly mark with an "H" the special code column when registering for the course. In-course Honors will be given under the respective department's code so that the courses may fulfill not only the Honors Program requirements but also, in some cases part of a student's distribution requirements or major/minor requirements.

- (d) Senior Year – Two in-course Honors courses (6 credit hours)

Will contain a supervised, original research component culminating with the Senior Honors Thesis Research Project which is a requirement for graduation from the Honors Program and which must be approved by the Honors Program Council. A

committee will oversee the thesis/project: the faculty director, a second faculty member from the same discipline, and a faculty member of the Honors Program council from the appropriate School or Division.

- (4) A maximum of 12 transfer credit hours in Honors courses will be accepted towards graduation from the Barry University Honors Program from students transferring from Honors Programs in other colleges or universities.
- (5) Honor students can continue in the program if they maintain a minimum GPA of 3.25 and/or are recommended by their advisor and chairperson.

Students interested in the Honors Program can contact the director, George J. Cvejanovich, Ph.D..

BEC PROGRAM

The BEC Program (Barry Early Credit), a cooperative program between Barry University and selected high schools, permits high school seniors and juniors to take college courses in their own high school at low cost. Courses are taught by carefully selected, qualified high school teachers who are trained, supervised, and evaluated by Barry faculty.

The BEC Program presently offers courses in biology, chemistry, computer science, English, French, history, humanities, mathematics, political science, and Spanish.

CROSS CULTURAL PROGRAM

Under the Division of Academic and Instructional Services, Barry University offers a unique Cross Cultural Program that incorporates language and general education requirements. This program presumes a minimum preparation of two years of English as well as the usual conditions for University admission. Students in the program have freshman status and earn college credit.

ENTRY PROGRAM

The Entry Program provides individualized instruction in basic English and Math skills, making it possible for the students to achieve their educational goals. Learning experiences are developed with consideration for individual learning styles, aptitude, prior knowledge and performance levels in subject matter and skills. *All course work in the Entry Program is college level and most is included within the usual 120 credit hours required for graduation.* Students in the Entry program are granted regular admission into the University's Division of Academic and Instructional Services and are prepared after successful completion of the program to continue in their selected major.

The Entry Program offers the opportunity to develop college-level skills in communications and math, necessary to ensure success in meeting the educational demands of the University. This goal is achieved not

only through the course design but also through the coordination of the various components of the program.

The Entry Program is offered in a fifteen-week session that offers selected electives as well as Composition, Math, Critical Thinking and Orientation. English and Math placement depends on SAT scores and diagnostic testing.

THE UNDECIDED MAJOR

Information about the undecided major is listed under Academic and Instructional Services.

CAMPUS INTERCHANGE PROGRAM

Barry University is part of a campus-interchange program involving three fully-accredited colleges located in different geographic areas across the United States. A student may elect to spend a semester at any of the participating colleges any time from the second semester of the sophomore year until the last semester prior to receiving a degree from Barry. Tuition is paid to the home college; other expenses (including room and board, special fees, etc.) are paid on the campus where they are incurred. Students participating in this program will need to coordinate financial aid as well as academic programs. Information on campus interchange is available at the office of the School Dean.

Barry University has entered into this agreement with St. Thomas Aquinas College, Sparkhill, New York; Dominican College, San Rafael, California; and Aquinas College, Grand Rapids, Michigan.

SECOND BACHELOR'S DEGREES

Students who have earned a bachelor's degree from Barry University or from another accredited institution may qualify for a second bachelor's degree under the following conditions:

- 1) formal notification must be filed with the Office of the Registrar;
- 2) the student must fulfill all admissions, prerequisite and course requirements in the second degree program;
- 3) at least thirty (30) semester hours in residence of upper-level credit over and above the requirements for the first bachelor's degree must be completed;
- 4) the student must achieve a cumulative grade point average of 2.00 or higher with 2.00 or higher in the second major;
- 5) the same degree from Barry University may not be awarded twice.

ACADEMIC AND INSTRUCTIONAL SERVICES

Mary Eileen McDonough, Ed.D., Dean

The Division of Academic and Instructional Services advises students in the **Undecided** major as well as the **Cross Cultural Program**, and the **Entry Program**. This office is also responsible for the BEC Program, the Study Abroad Program, the Summer Scholars Program, the CLAST Test, Placement Testing for new students, and the academic eligibility of student athletes.

CROSS CULTURAL PROGRAM

The courses are bi-cultural in content and include credits in English, Social Sciences, and Philosophy. After successful completion of the Program, students are prepared to continue in their selected majors.

The English courses for international students are not English-as-a-second language courses. They are college-level classes in reading and writing designed to give non-native students language skills equivalent to those of North American freshmen. Students receive individual attention as well as tutoring sessions when needed.

While learning the language, students will fulfill graduation requirements. Courses will be taught in English but they will introduce the student to the culture and values of the United States.

After their first year, students will have earned credits in fulfillment of graduation requirements and will have attained the language proficiency to continue in their chosen major. Students admitted to the University under the Cross Cultural Program will be referred to an appropriate departmental advisor following successful completion of ENG 111, ENG 112, College Level Math, and the achievement of a minimum GPA of 2.00.

This flexible program can be adapted to needs of individual students.

The courses are shown below:

ENG 103	Basic English: Composition/Reading
ENG 111/112	Freshman Composition and Techniques of Research
MATH	Mathematics (by placement score)
PHI 122/123	Thought of Spain and the Americas (I/II)
ORI 100	Freshman Seminar
ENG 105	American Phonetics

All courses will be taught in English.

ENTRY PROGRAM

The Entry Program offers the opportunity to develop the necessary college-level skills in communications and math, to ensure success in meeting the educational demands of the University. This goal is achieved not only through the course design but also through the co-ordination of the various components of the program.

The Entry Program offers selected electives as well as Composition, Math, Orientation and Speech. English and Math placement depends on SAT scores and diagnostic testing. The courses of study in either case are shown below:

ONE SEMESTER SESSION

ENG 103	Basic English: Composition/Reading or
ENG 111/112	Freshman Composition and Techniques of Research
Math	Mathematics (by placement score)
ORI 100	Freshman Seminar
PHI 120	Critical Thinking
SPEECH	Speech and/or Elective

Dr. Eileen McDonough coordinates the Entry Program and serves as academic advisor to students in the Program. Students admitted to the University under the Entry Program will be referred to an appropriate departmental advisor following successful completion of ENG 111, ENG 112, College level Math, and the achievement of a minimum GPA of 2.00.

ORIENTATION

Course Description – Orientation Prefix: ORI

100 Freshman Seminar (1)

A special one-semester course open to all freshman and new students. Goals of the course are to help students adjust to the University, develop positive attitudes about themselves and the learning process while learning skills essential for academic and personal success. (Elective)

300 Senior Transitions (1)

A special one-semester course open to all second-semester junior or senior students. The goals of the course are to begin the adjustment process from the undergraduate academic life to graduate school or the world of work. (Elective)

STUDY ABROAD PROGRAMS

Barry University offers a Summer Program at Manchester College of Oxford University. Oxford is one of the world's oldest universities, famous for its tutor - student method of individualized instruction. Courses are taught by Barry faculty on site at Manchester College, and some classes are supplemented by Oxford faculty lectures and cultural outings. Three courses are offered each Summer. Students can choose a maximum of two. The academic program seeks to provide a balance between supervised study, cultural experiences, and recreation.

A second Study Abroad Program is offered in Brussels. Courses offered include international business and economics. These courses are based on classroom lectures as well as a rich schedule of professional visits including on-site guest lectures. The program in Summer 1991 includes travel to Paris, Luxembourg, and Amsterdam.

The Director of Study Abroad is Dr. M. Eileen McDonough, Dean, Academic and Instructional Services.

THE UNDECIDED MAJOR

Many students entering the University have chosen a major. However, most students have not. Research indicates that over 60% of all college freshmen change their minds about their major and their career aspirations at least once during their undergraduate years.

A liberal education is designed to provide the student with a broad general knowledge that can be channeled in many directions. Its primary purpose is to assist in building and broadening certain fundamental skills. These skills should include above all, the ability to write intelligently, to analyze and solve problems, to digest and understand a diverse range of data, and to communicate effectively. Acquisition of these skills is critical to academic programs. These skills will also arm the student with the ability to understand and assume an active role in our complex society. Finally, the skills of a liberally educated individual will provide the most valuable commodity in our ever-changing job market flexibility. In the short time the student is pursuing his/her college education, some jobs will cease to exist and others will be created by technological and economic change. The student will be able to express himself or herself clearly and concisely through both written and verbal mediums and be able to identify problems and to determine solutions logically and creatively. As a liberal arts graduate, the student will be able to convert these skills into many viable jobs.

First these skills must be acquired, and therein lies the importance of good program planning. An academic schedule is as strong or weak, as challenging or repetitive as the student makes it. Freshman year is begun by concentrating on basic skills—English composition, math or computer science or logic, and foreign language. Verbal and analytical literacy are threaded through the entire four year program by taking

philosophy, history, physical and biological sciences. The student should not be afraid to experiment with new areas of knowledge simply because of lack of exposure. The student should talk to the faculty, talk to academic advisers, and draw from the richness of his or her educational and personal experiences. Descriptions and course offerings of each department appear in the Catalog. An informed decision should be made about each course, each semester. A career and academic major will come into focus.

SUMMER SCHOLARS PROGRAM

The Summer Scholars Program brings high school scholars to the campus during the second summer term. Students participate in coursework designed to challenge and enrich. Group activities are designed to have a direct impact on the learning enrichment of the participants.

LANGUAGE INSTITUTE FOR ENGLISH (LIFE)

Barry University offers an intensive and comprehensive English language program with the Language Institute for English, a division of Berlitz International. The program is offered in four week sessions with nine basic levels of instruction. Monroe Ridless is Director of the LIFE Program.

ACADEMIC COMPUTING CENTER

John Beaubrun, M.B.A., Director

The Academic Computing Center provides computer services to the campus via an Ethernet network.

The computing equipment consists of a VAX 6310 minicomputer and over 300 microcomputers distributed in classrooms and computer labs around the campus. The main lab in the Garner building is equipped with eighty microcomputers and twenty terminals all networked to the minicomputer. The microcomputers consist of a mix of Macintosh, IBM and Zenith 286, 386 and 8088 machines. This facility is open and available to faculty and students from 8:00 am to midnight seven days a week. In addition the center provides six dial-up lines twenty hours a day for students and faculty who wish to access the minicomputer applications from home. The centers BITNET node name is "BARRYU" and Internet address is "BARRY.EDU".

For teaching there are six networked classrooms with twenty-five computers and two printers in each room. These rooms are used exclusively by classes requiring hands-on computer access, the teachers workstation is equipped with a printer and an overhead projection system connected to the computer and a printer.

Course Descriptions – Computing Prefix: CAT

110 Wordprocessing (1)

This course is designed to provide the student with a basic proficiency in the use of microcomputer-based wordprocessing. The course will provide the necessary introductory level training for students who have never used microcomputers and wordprocessing software; it is a hands-on lab course. No prerequisites.

120 Spreadsheets (1)

This course is designed to provide the student with a basic proficiency in the use of electronic spreadsheets on the microcomputer. The course will provide the necessary introductory level training for students who have never used microcomputers and spreadsheet software, it is a hands-on lab course. No prerequisites.

130 Database Applications (1)

This course is designed to provide the student with a basic proficiency in the use of microcomputer based database applications. The course will provide the necessary introductory level training for students who have never used microcomputers and database-applications software, it is a hands-on lab course. No prerequisites.

FRANK J. ROONEY SCHOOL OF ADULT AND CONTINUING EDUCATION

Sister Loretta Mulry, IHM, Ed.D., Dean
Patricia D. LaBahn, Ph.D., Associate Dean

The purpose of the Frank J. Rooney School of Adult and Continuing Education is to provide adult students with undergraduate credit and non-credit programs which recognize educational needs of the adult learner and promote lifelong learning. These degree and certificate programs are designed for adult men and women who, because of family and work responsibilities, are unable to attend class in a traditional manner or at traditional times. The School makes available to these students on the main and off-campus locations in south and central Florida the same quality education upon which Barry University's reputation is founded. In accordance with the Mission Statement of the University, the School encourages students to assume leadership roles and to participate in community service.

Students must meet the same graduation requirements as other Barry University students. However, they may choose from a number of learning options which allow for greater flexibility in program planning and scheduling. Courses are taught by faculty who possess both academic and professional expertise which is complemented by their understanding of adult learners.

Adult students often have attained knowledge outside of the classroom that is appropriate for academic credit. The School of Adult and Continuing Education grants such credit towards an undergraduate degree

if students can demonstrate college-level learning. Each student works with an academic advisor who assists the student in preparing for the assessment of experiential learning.

DEGREE PROGRAMS

The following programs are offered to adult students through the School of Adult and Continuing Education:

- Bachelor of Professional Studies (B.P.S.)
- Bachelor of Liberal Studies (B.L.S.)
- Bachelor of Science in Technology (B.S.T.)
- Bachelor of Science (B.S.) with majors in:
 - Accounting
 - Management
 - Management Information Systems

ADMISSION INFORMATION

Application for admission to Barry University's School of Adult and Continuing Education is a process separate from the registration process and must be completed prior to course registration.

Students intending to pursue the Bachelor of Professional Studies degree or Bachelor of Liberal Studies degree must submit a portfolio as part of the degree requirements. Students must have a minimum of five years of full-time professional work experience upon submission of the portfolio.

ADMISSION REQUIREMENTS

Requirements and Procedures for Full Acceptance:

1. Interview with an Academic Advisor;
2. Submit a completed application form with appropriate application fee;
3. Provide two official transcripts of credits taken at all colleges attended and, if applicable, CLEP, DANTEs transcripts, or, if less than 12 hours of college credit has been earned, provide two official transcripts indicating graduation from high school or G.E.D. and
4. Achieve a 2.00 cumulative grade point average or better in all previous academic work.

Two official transcripts must be mailed directly from each issuing institution to Barry University's School of Adult and Continuing Education

Criteria for Provisional Acceptance

Provisional acceptance is extended to those whose transcripts reflect less than a 2.00 cumulative grade point average at the time of application. A student enrolling under this option is limited to twelve credits in which a minimum cumulative grade point average of 2.00 must be

achieved at Barry University. Upon successful completion of 12 credits with a cumulative grade point average of at least 2.0 at Barry, full acceptance will be granted.

Those who are unable to complete the admission requirements (See Requirements and Procedures for Full Acceptance) at the time of application are limited to twelve credit hours at Barry University. To enroll in additional coursework, the student must submit all required credentials before subsequent enrollment.

BACHELOR OF PROFESSIONAL STUDIES (B.P.S)

The Bachelor of Professional Studies (B.P.S.) degree program is designed for students who choose to pursue a business-oriented program of study and to earn credit for college-level learning acquired through professional work experiences.

The degree is flexible in its design and thereby responds to diverse student interests and needs. The student may choose to aim for breadth of knowledge through an interdisciplinary curriculum or to focus on an area of concentration. Students may select an area of concentration in one of the following: Business, Management Information Systems, Human Resource Management, and Telecommunication.

Students pursuing the Bachelor of Professional Studies degree must meet Barry University's distribution requirement and must select elective coursework in their chosen business field.

Students pursuing the Bachelor of Professional Studies degree must submit a portfolio as part of the degree requirement. The portfolio provides the mechanism for translating the documented learning experiences into Barry University credit.

The portfolio is comprised of four major components: a chronological resume, a learning assessment worksheet, an autobiographical work history and documentation.

A portfolio seminar must be attended within the twelve (12) month period prior to submission of the portfolio.

The portfolio may be presented

1. upon successful completion of 15 credit hours at Barry University, and
2. when the student can document a minimum of five years of full-time professional work experience.

The portfolio must be submitted at least 20 weeks prior to the student's anticipated date of degree completion. The portfolio administrative fee is due upon submission of the portfolio.

Students must show college-level competence in one or more of the following categories in order to receive credit for professional work experience or community service: supervision, management, research, communication, interpersonal relations, creativity, and critical thinking.

Normally the portfolio will be assessed by the Portfolio Evaluation Committee eight to ten weeks after it is submitted. Upon evaluation, the student will be notified of the credits awarded.

Distribution Requirements45 credits

Experiential Learningup to 45 credits

Electives..... Variable

(Students may select courses in any business related area.)

Area of Concentration (optional)21 credits

Students who choose to earn an area of concentration will select elective courses in the following areas:

Business	Human Resource Management
Management Information	Telecommunication
Systems	

University policies regarding an area of concentration are as follows:

1. An area of concentration consists of no less than 21 semester hours of appropriate and approved course work.
2. 15 of the 21 semester hours must be taken through Barry University and bear Barry University course prefixes and numbers.
3. 15 of the 21 semester hours must be in upper division courses, namely, 300 and 400 level courses.
4. Only one Special Topic may be included in the 21 semester hours. The Special Topic must be directly related by name and course content to the area of concentration.
5. The course title, prefix, and number will be the determinant for course work in an area of concentration, e.g., MKT 306 "Marketing Concepts and Applications."
6. Pre-requisites must be honored

BACHELOR OF LIBERAL STUDIES (B.L.S.)

The Bachelor of Liberal Studies degree program is designed for students who choose to pursue a liberal arts program of study and to earn college-level credit for learning acquired through professional work experience.

Students pursuing the Bachelor of Liberal Studies degree must submit a portfolio as part of the degree requirement. The portfolio provides the mechanism for translating learning experiences acquired through documented professional experiences into Barry University credit.

The portfolio is comprised of four major components: a chronological resume, a learning assessment worksheet, an autobiographical work history, and documentation.

A portfolio seminar must be attended within the twelve (12) month period prior to submission of the portfolio.

The portfolio may be presented

1. upon successful completion of 15 credit hours at Barry university, and
2. when the student can document a minimum of five years of full-time professional work experience.

The portfolio must be submitted at least 20 weeks prior to the student's anticipated date of degree completion. The portfolio administrative fee is due upon submission of the portfolio.

Students must show college-level competence in one or more of the following categories in order to receive credit for professional work experience or community service: supervision, management, research, communication, inter-personal relations, creativity, and critical thinking.

Normally the portfolio will be assessed by the Portfolio Evaluation Committee eight to ten weeks after it is submitted. Upon evaluation, the student will be notified of the credits awarded.

Distribution Requirements45 credits

Experiential Learningup to 45 credits

Electives..... Variable

(Students may select courses in any liberal arts area.)

Area of Concentration (optional)21 elective credits

Students who choose to earn an area of concentration will select elective courses in the following areas:

HumanitiesCombination of Art, English, Philosophy, Theology, Humanities, Speech, Theater, Language, and Music

Social SciencesCombination of Geography, History, Political Science, Economics

Behavioral Sciences . Combination of Anthropology, Psychology, Criminal Justice, and Sociology

Social WelfareCombination of Social Welfare, Biology, Psychology, and Sociology

BACHELOR OF SCIENCE (B.S.)

A Bachelor of Science degree with a major in Accounting, Management, or Management Information Systems is available through the School of Adult and Continuing Education. Specific requirements for these degree programs will be found in the School of Business section of this Catalog.

BACHELOR OF SCIENCE IN TECHNOLOGY (B.S.T)

Underlying this program is recognition of the growing impact of technology upon the quality of life, and that the proper application of technology is critical to meeting current and emerging needs of society

and its citizens. The specific purpose of this degree program is to provide students graduating with the Associate of Science degree in a technical area an opportunity to complete a four-year baccalaureate degree. The Bachelor of Science in Technology degree is an inverted degree program (2 + 2), in which the special technical courses are taken at a junior or community college during the student's first two years of study. Students admitted into this program enroll at Barry University in additional upper-level liberal arts courses and a cluster of business courses. The student graduates from Barry with a degree that is directed toward the practical use of management, technology, and computer principles that meet the objectives of industry, business, and the public.

Admission Requirements

Applicants for this degree program must have an Associate degree from a regionally accredited institution with at least 24 credit hours of coursework in a technical area acceptable to Barry University

Curriculum

The student admitted into this program with an Associate of Science degree usually has completed at least fifteen liberal arts credits. Additional credits to be taken at Barry include philosophy, social science, humanities, communications, and theology. The remaining courses include a core of business and computer science courses and guided electives.

Distribution Requirements45 credits

Business Core30 credits

- ACC 201 Principles of Accounting I
- ACC 202 Principles of Accounting II
- ECO 201 Principles of Economics I
- ECO 202 Principles of Economics II
- MGT 305 Management Concepts and Applications
- MGT 352 Human Resource Management
- MGT 409 Organizational Communication and Behavior
- MKT 306 Marketing Concepts and Applications

Upper Division Electives Variable

- BUS 339 Business Law
- BUS 371 Social and Ethical Issues in Business
- BUS 353 Leadership and Performance Development
- MGT 303 Management History and Theory
- MGT 400 Management Information Systems

Technical Core24 credits

(At least 24 credit hours of coursework in a technical area must be acceptable to Barry in transfer from a regionally accredited institution.)

CAMPUS LOCATIONS

In addition to classes on the Barry University Main Campus, the School of Adult and Continuing Education has administrative and academic offices in the Florida locations listed below.

Main Campus	Mailing Address
Adult Education Building 11415 N.E. 2nd Avenue Miami, FL 33161 Telephone (305) 899-3300	Barry University 11300 N.E. 2nd Avenue Miami, FL 33161 Toll Free No. (800) 842-1000

South Dade
13701 North Kendall Dr.
#304
Miami, FL 33186
Telephone: (305) 387-8750

Broward County South	Broward County North
Atrium Executive Center Suite 4-S 4801 S. University Drive Davie, FL 33328 Telephone: (305) 948-3689 (Dade) (305) 434-8858 (Broward)	1855 W. Commercial Blvd. Suite 170 Ft. Lauderdale, FL 33309 Telephone: (305) 493-8892

Palm Beach County (South)	Palm Beach County (North)
8177 West Glades Rd., #217 Boca Raton, FL 33434 Telephone: (407) 487-9230, Telephone: (305) 426-0100	9121 North Military Trail, #200 Palm Beach Gardens, FL 33418 Telephone (407) 622-9300

Orlando Center	Treasure Coast
Florida Mall Business Center 1650 Sand Lake Road Orlando, FL 32809	P.O. Box 2494 Fort Pierce, FL 34954 (407) 468-6294 1-800-698-6294

Stuart Telephone:	Vero Beach Telephone:
(407) 288-1555	(407) 231-7879

Lee/Collier Counties	Brevard County
Key West Professional Center 1342 Colonial Blvd., #38-B Fort Myers, FL 33907 Telephone: (813) 278-3041 (800) 388-2279	Ames Plaza 41 E. Merritt Avenue Merritt Island, FL 32953 Telephone: (407) 453-6253

SERVICEMEMBER'S OPPORTUNITY COLLEGE (SOC)

The Barry University School of Adult and Continuing Education has been identified by the American Association of Community and Junior Colleges as a Servicemember's Opportunity College (SOC) providing

educational assistance to active duty servicemen. A SOC institution offers the following benefits for servicemembers:

1. Use of admissions procedures which insure access to higher education for academically qualified military personnel;
2. Evaluation of learning gained through military experiences and academic credit awarded where applicable to the servicemember's program of study;
3. Evaluation of non-traditional learning and awarding of academic credit for such learning where applicable to the service member's program of study;
4. Evaluation of requests for inter-institutional transfer of credits and acceptance of such credits whenever they are appropriate to the service member's program and are consistent with the college's curriculum;
5. Flexibility to service members in satisfying residence requirements by making adjustments for military students who transfer when there are other assurances of program balances;
6. Designation of personnel with appropriate academic qualifications and experience to administer and supervise SOC-related activities and to develop policies and procedures appropriate to the scope of their voluntary-education programs;
7. Educational services for veterans.

THE LEGAL ASSISTANT INSTITUTE

The Legal Assistant Institute was created thirteen years ago to provide training in South Florida for the paralegal or legal assistant working under the supervision of a lawyer. Legal Assistants assume paralegal responsibilities as skilled members of a legal team in law firms, banks, savings and loan associations, and insurance and governmental agencies. Their responsibilities cover a diverse range from legal research to office administration. The Institute offers three programs: the Certificate Program, the Internship Program, and the Advanced Program.

The Certificate Program is a twelve-month program consisting of ten courses which include: Introduction to Law, Contracts, Legal Research, Legal Writing, Litigation, Business Associations, Real Estate and Real Estate Finance, Criminal Law, Estate Planning, and Debtor-Creditor Relations. After the successful completion of 345 classroom hours, a Certificate of Achievement is awarded, qualifying the student to obtain employment as a Legal Assistant. The Institute has graduated an increasing number of Legal Assistants who have passed the National Certified Legal Assistant Exam and who have also been hired by some of South Florida's most prestigious law firms. At the University's Miami Shores campus, the Certificate Program begins in August and January. In Naples the program begins in August, in Coral Gables the program begins in January, and in Fort Lauderdale the program begins in October. Classes in all Fall programs are held every Tuesday and Thursday

evenings and alternate Saturday mornings. In the Winter program (Miami Shores only) classes are held every Monday and Wednesday evening and alternate Saturday mornings.

The Institute also offers an optional Internship Program for students enrolled in the Certificate Program. The Internship Program assigns interns to several law firms and legal agencies, such as Legal Services of Greater Miami, Inc., Legal Aid Services of Broward County, and the Dade County State Attorney's office. Student-interns at the legal aid agencies gain legal experience in areas as diverse as family law and marital disputes, housing rights, education law, employment discrimination, consumer law, and social security administration, serving the needs of the poor. The Dade County State Attorney's office provides the intern with opportunities to work as legal assistants in the areas of child support cases and criminal law. Student-interns receive in-house training and represent clients as legal assistants at hearings and provide intake interviewing and legal research. The Internships provide students with the unique opportunity to gain legal experience while still in school to better enable them to find legal employment after graduation.

In an effort to provide continuing education and training to practicing attorneys and legal assistants, the Institute offers the Advanced Program. Currently courses are offered in Computerized Legal Research, Immigration, Advanced Estate Planning, Law Office Management and Domestic Relations Practice. The curriculum is subject to change based upon the growing needs of Legal Assistants and Attorneys to specialize in different areas of the law. The Advanced Program meets on Saturdays and evening courses are scheduled according to the needs of the students. The courses are open to all Legal Assistants and Attorneys practicing in the South Florida area. Continuing Legal Education designation hours for attorneys have been approved for some of these courses by the Florida Bar.

Course Descriptions

In addition to the courses listed below, the School of Adult and Continuing Education offers courses from the School of Arts and Sciences and the School of Business.

Anthropology Prefix: ANT

308 Perspectives in Anthropology (formerly ANT 306)

Analysis of the different fields of cultural anthropology which are integrated to create a holistic perspective of human behavior. Special emphasis is devoted to economics, religion, culture and personality.

Art Prefix: ART

317 Photography, The Camera

A photography course for those with little or no experience answering questions about adjustable camera operation. Usage of films, shutter speed, aperture, lenses and filters will be explored through lecture, discussion, homework and field classes. (NO DARK-ROOM WORK). Student must have an adjustable 35mm camera.

400 Ancient Greek Art

Detailed analysis and examination of Greek Art from 2000 B.C. to the end of the Hellenistic Period. Sculpture, vase painting and architecture will be compared and contrasted with Art through the ages by connecting them with Greek Philosophy, mythology and history and their aesthetic concepts

Biology Prefix: BIO

302 Human Biology

A course designed for the non-science major with an interest in the structure and function of the human body. Course will explore the relationship between the form of the body and how this form relates to function. A "who you are and how you work" course with flexibility to allow the students' interests to shape the emphasis.

306 Introduction to Oceanography

Brief coverage of the physical, chemical, biological, and geological aspects of ocean science.

315 Principles of Tropical Plant Management

Landscaping and appraisal of plants; structure; function and environment of plant form; focus on Florida indoor and outdoor plants; insecticides, and landscaping design.

Business Prefix: BUS

348 Personal Financial Planning

A guide to personal finance for achieving financial objectives and making effective financial decisions. Topics include budgets, major purchases, use of credit and bank loans, insurance, real estate and investment in securities, taxes, and estate planning.

350 Personal Income Tax

A course in Federal Income Tax for individuals covering basic tax returns plus the most commonly used schedules.

353 Leadership and Performance Development

Analysis and interpretation of managerial and employee skills and abilities. Self-analysis will be used to develop a relationship between current work environments and managerial theory.

462 Public Relations

Study of various public relations media. Emphasis on cases and readings from professional journals. The historical and psychological aspects of public relations in context with and in relationship to various public media.

English Prefix: ENG

318 Modern American Playwrights

Focus on important American Playwrights from the 1940's to the present day. Emphasis will be on major styles and themes, and how their plays reflect the changes in American Society. Selections will be taken from the works of Tennessee Williams, Arthur Miller, William Inge, Lorraine Hansberry, Edward Albee, David Mamet and David Rabe.

329 English Composition and Syntax

Opportunity to develop facility with English syntax and to write more effectively by studying and practicing expository discourse. (Mandatory)

Environmental Science: EVS

301 Consumer Applied Science

An explanation of the basic concepts of inorganic/organic chemistry as they can be applied to understanding the various claims of many commercial products in the market place. Guidelines will be developed to assist the student in knowing how to make better consumer choices.

306 Environment

A conceptual approach to understanding the interrelatedness of natural processes at work in the environment. Application to local issues as well as broader problems and prospects will be made.

400 Geology

Minerals, rock classification, history of life, the concept of geologic times, the surface of the earth, the earth's interior, geophysical aspects of the earth and the theory of plate tectonics and sea-floor spreading.

409 Ocean World

Impact of the timeless sea on civilization and the impact of civilization on the sea will be investigated in this course. The oceans have influenced art and literature, scientific knowledge, industry and politics from ancient times to the present.

Geography Prefix: GEO**402 Mysteries of the Earth**

Critical analysis of the great mysteries that have captured the popular imagination by a thorough examination of facts and hypotheses that surround such mysteries as the Legend of Atlantis, the Ruins of Stonehedge, UFO's, Easter Island statues, the Bermuda Triangle, and the Egyptian Pyramids.

History Prefix: HIS**301 Heroes and Happenings in History**

Students will observe the impacts of great personalities on mankind while determining the causes and results of great events, selected from the earliest civilizations to contemporary times.

314 Russian Cultural History

An exploration of the Russian-Soviet historical and cultural traditions which subtly, but no less powerfully, influence the modern Soviet State. The course purpose will be to make Soviet domestic and international behavior more logical and internally consistent with its own context, not necessarily to justify those behaviors but to explain them.

418 Social History of the Middle Ages

An investigation of medieval society from the perspectives of nobility, peasantry, city-dwellers, and clergy in an effort to reconstruct the lifestyles and mentalities of the Middle Ages.

443 History of the United States in the 20th Century I

Topical-chronological treatment of the constitutional, economic and social history of the United States in the twentieth century; first semester terminates with the New Deal.

444 History of the United States in the 20th Century II

Topical-chronological treatment of the constitutional, economic and social history of the United States in the twentieth century, second semester treats the events from 1940 to the present

Management Prefix: MGT**301 Collective Bargaining**

Detailed examination of the collective bargaining system with attention given to negotiation and the administration of agreements. special consideration will be given to the impact mergers, joint ventures, government regulatory agencies, the legal environment surrounding the negotiated process and other topics.

303 Administrative History, Theory and Practice

An examination of the general field of administration with emphasis given to management and organization theories. Topics include the emergence of industrialism, schools of management thought, and the conceptual foundations of modern management.

Music Prefix: MUS**301 Music Appreciation**

Introductory course designed to develop perceptual listening skills and to acquaint the student with the evolution of masterworks.

321 History of Jazz

Explanation of different periods of jazz and discussion of famous jazz musicians of each period — ragtime to contemporary.

Philosophy Prefix: PHI

301 Contemporary Moral Issues

Examination of current ethical issues such as discrimination, sexual conduct, pornography and censorship, abortion and euthanasia, women's rights, and capital punishment.

305 Problems in Philosophy

Introduction to some of the basic issues in philosophy including free-will vs. determinism, the mind-body debate, the problem of God, and the nature of moral action.

307 Philosophy of Human Relations

Concepts of sexuality and love from a philosophical standpoint. A historical overview of sex with contemporary theories by Freud, Marcuse.

311 Philosophy of Ethics and Values

Nature of the human good, personal and social, moral habits (virtues & vices); ethical roots of cultural conflicts, the ultimate end of human nature; survey and critical analysis of moral systems, discussion of selected contemporary ethical issues.

Political Science Prefix: POS

301 American National Government

National government, its structure and function. A focus on public administration and legislative processes.

302 State and Local Government

Psychology Prefix: PSY

301 Psychology of Drug & Alcohol Abuse

General orientation to psychopharmacology; the relationship between behavior and the actions and effects of drugs; terminology of drugs and drug use; prevention and treatment programs; psycho-legal aspects.

329 Understanding & Coping with Stress (Formerly MGT 308)

Exploration of the roles of stress and illness; immunology and endocrinology with help in evaluating one's own level of stress. Effective techniques for alleviating stress and features the development of the holistic health movement are described. Meditation, autogenic training, bio-feedback, nutrition and exercise to prevent disease are highlighted.

330 Leadership Training and Human Resources

An analysis of the human factors in organizations. Structured and non-structured activities will be used to develop personal effectiveness. Course objectives include: leadership style, communication, problem solving, decision making, membership, establishment of goals, and group norms.

331 Counseling Techniques for Managers (Formerly PSY 303)

The course will provide an overview of techniques drawn from management theory, psychology, and sociology that will be helpful in counseling employees.

382 Developmental Psychology

Analysis of human development from conception through maturity, with emphasis on physiological, cognitive and effective processes at the various stages of development.

410 Group Dynamics and Decision-Making

An exploration of group intimacy, solidarity of groups, group problem-solving, the individual within the group, leadership development (who is involved and how leaders are chosen), and splinter group formations.

416 Dynamics of Adult Living (Formerly PSY 414)

This course will explore the conditions necessary for growth and development. It will cover the "Passages" of life; sexuality; intimacy; life styles; and aging.

Sociology Prefix: SOC

301 American Family

Study of the history, present agonies, and future of the American Family as an institution.

305 Issues in Culture

Topical course to determine the role that culture has played in developing and influencing man's behavior. Our perceptions of economics, religion, family life, employment, aging, law and numerous other aspects of culture will be studied and discussed.

309 Roots of Civilization

A study and examination of numerous civilizations and societies to obtain a greater appreciation of the diversity in humankind's response to solving the problems in our unique world. Students will endeavor to recognize the processes by which groups of people civilize themselves, and to identify the particular bases of power operant in each society, i.e., artistic skill, scientific knowledge, technology, military prowess, language skill, tradition/ancestry, etc.

310 Focus on Nutrition/Wellness

Exploration of the basic concepts of nutrition science, guidelines for making food choices, and some techniques for meeting the challenge of the information explosion.

415 Women in Contemporary Society

Historical development of women as a basis for their distinctive position in society today. Emphasis is placed on their lateral/horizontal progress in the realms of the economy, society and cultural development. Gender definition and dynamics of the patriarchal system are examined.

417 Sociology of Death and Dying

A course that focuses on death as an event in salvific history, based upon cross-cultural analysis of the nexus between the meaning of life and death's place within it.

Social Welfare Prefix: SW**336 Social Welfare as a Social Institution**

Beginning course in the social welfare sequence, introducing the student to the field of social welfare from historical, political, program, policy and service points of view; initial identification with the field of social welfare, and knowledge of contribution of social welfare professions. Prerequisite to all other social welfare courses.

401 Social Welfare Policies and Services I

Policies and services relevant to social welfare and the development of analytic skills in examining such policies and services; aims at strengthening the student's commitment to the profession's responsibility to promote programs that prevent and ameliorate social problems.

451 Socio-Cultural Theories

Companion course to Personality Theories and Human Behavior; concentrates on larger social systems such as small groups, formal organizations and cultures, and their effect on human behavior.

452 Personality Theories and Human Behavior

Physical, social, and emotional development of individuals; major areas of study in each phase of maturation behaviors and coping strategies, optimal conditions for growth of the healthy personality, and the dynamics and influence of interpersonal transactions.

Speech Prefix: SPE**303 Voice & Articulation**

A course designed to help each student speak more expressively with greater vocal and variety and clarity. Each student will receive a complete voice and diction analysis and will work both individually and in groups to achieve effective voice production and correct individual speech problems.

305 Theories of Communication

Overview of theory of communication. Emphasis on organizational communication, small groups and public communication in organizations.

402 Oral Communication

Practical study designed to develop effective listening, speaking and confrontation skills, use and interpretation of body language.

403 Oral Interpretation

Oral interpretation focuses on one of the loveliest of musical instruments, the human voice, and on the body of literature to which the voice can give meaning. Course activities will include study and analysis of various types of literature and the demands that each makes of a reader/aping and tuning exercises for the vocal instrument; practice in oral reading; and development of criteria for evaluation.

Theatre Prefix: TH

304 Creative Dramatics

A course to develop confidence, creativity, spontaneity, and other communication skills. It will include practice in improvisation, role playing, and character development for personal growth and enjoyment, as well as some study of drama for cultural enrichment.

Descriptions for other courses offered through the School of Adult and Continuing Education will be found under the designated School.

SCHOOL OF ARTS AND SCIENCES

Laura S. Armesto, Ph.D., Interim Dean

The School of Arts and Sciences is distinctive through its concern for value-oriented programs, its promotion of the traditional liberal arts, and its response to varied careers, interests, and needs. Through its academic programs and co-curricular activities, the School provides enriching aesthetic, cultural, and intellectual dimensions to the University, with a wide variety of majors and programs. It includes traditional as well as career-oriented courses, creative activities, and an honors program.

The School includes eight departments:

- Communication
- English and Foreign Languages
- Fine Arts
- Mathematics and Computer Science
- Physical Sciences
- Psychology
- Social Sciences
- Theology and Philosophy

The School offers 26 undergraduate majors as well as additional courses in ten support areas. Besides this diversity of disciplines, the School also encourages a variety of approaches and methodologies: modules, team-teaching, interdisciplinary courses, independent study and research, lab and studio work, internship, recitals, exhibitions, film and text courses.

MAJORS

Art
 Art Management
 Broadcast Communication
 Chemistry
 Communication Arts
 Computer Science
 Criminal Justice
 Engineering (Dual Degree)
 English
 Journalism
 Literature
 Professional Writing
 French
 History
 International Studies
 Liberal Studies
 Mathematical Sciences
 Philosophy
 Photography
 Political Science
 Pre-Law
 Psychology
 Public Relations
 Sociology
 Spanish
 Telecommunication
 Theatre
 Theatre Management
 Theology

DEPARTMENT

Fine Arts
 Fine Arts
 Communication
 Physical Sciences
 Communication
 Mathematics and Computer Science
 Social Sciences
 Physical Sciences
 English & Foreign Languages

 English and Foreign Languages
 Social Sciences
 Social Sciences
 Social Sciences
 Mathematics and Computer Science
 Theology and Philosophy
 Fine Arts
 Social Sciences
 Social Sciences
 Psychology
 Communication
 Social Sciences
 English and Foreign Languages
 Communication
 Fine Arts
 Fine Arts
 Theology and Philosophy

DEPARTMENT OF COMMUNICATION

Robert T. Jones, Ph.D., Chair

Faculty: Davis, Glenn, Panos, Samra, Saxton, Simpson, Wahlers.

The Department of Communication offers a wide array of majors, programs and opportunities for students interested in pursuing professional objectives in a variety of communication and related settings. A choice of four baccalaureate degree programs is offered. They are the Bachelor of Arts in Broadcast Communication, Communication Arts, and Public Relations, and the Bachelor of Science in Telecommunication.

DEGREE REQUIREMENTS:

Distribution:

All undergraduate degree candidates are required to fulfill the distribution requirements of Barry University. Each major in the Department of Communication may have specific requirements in addition to those shown below.

Theology and Philosophy	9
Written and Oral Communication	9
ENG 111 Freshman Comp. & Literature	
ENG 112 Techniques of Research	
SPE 101 Fundamentals of Speech	
Science and Mathematics	9
Social and Behavioral Sciences	9
Humanities and Art	9
Total	45

Major (Core Courses):

All majors in the Department of Communication are required to complete a 9-hour core program of departmental courses as follows:

TEL 310 Telecommunication Concepts	3
COM 407 Theories of Human Communication	3

COM 470 Seminar in Communication ** 3

**** Integrative Experience**

A grade of "C" or better must be earned in all courses required in the major. An overall grade point average of 2.0 or higher is required for graduation.

BROADCAST COMMUNICATION

The B.A. in Broadcast Communication will be of interest to those students considering a career in some aspect of radio, television, cable and related media fields such as corporate media. Major requirements are designed to provide the student with a strong core of knowledge in all facets of the profession with electives adequate to enable the individual to pursue one or more areas of specific interest.

DEGREE REQUIREMENTS

Distribution:45

Department Requirements:9

TEL 310 Telecommunication Concepts 3

COM 407 Theories of Human Communication 3

COM 470 Seminar in Communication ** 3

**** Integrative Experience**

Broadcast Communication Major(Core Courses:)33

COM 200 Intro to Mass Media 3

COM 304 Writing for the Media 3

COM 214 Television Production 3

COM 301 Studio Practicum I 2

COM 393 Verbal Message Encoding 3

COM 401 Studio Practicum II 1

COM 491 Television Directing 3

COM 493 Message into Medium 3

COM 495 Communication Law 3

COM 496 Electronic Media Advertising 3

COM 497 Media Management 3

COM 498 Broadcast Journalism 3

Communication Electives:6

Courses in COM, TEL, SPE (or other as approved by the academic advisor and Department Chair).

Degree Total:120

General Electives27

A minor outside of the department is recommended.

MINOR IN BROADCAST COMMUNICATION 21

COM 200 Intro to Mass Media 3

COM 214 Television Production 3

COM 407 Theories of Human Communication 3

COM 491	Television Directing	3
COM 495	Communication Law	3
COM 496	Electronic Media Advertising	3
COM 497	Media Management	3

BACHELOR OF ARTS IN COMMUNICATION ARTS

The Bachelor of Arts in Communication Arts is a broadly based program designed for those students who wish a generalists orientation to the Communication profession. The student is encouraged to investigate all aspects of the program, developing a core of knowledge in communication arts.

DEGREE REQUIREMENTS

DISTRIBUTION REQUIREMENTS:45

TEL 310	Telecommunication Concepts	3
COM 407	Theories of Human Communication	3
COM 470	Seminar in Communication **	3

** Integrative Experience

Core Courses:12

COM 104	Interpersonal Communication	3
COM 304	Intercultural Communication	3
COM 326	Small Group Communication	3
SPE 401	Bus. & Professional Communication	3

COURSES DESIGNATED COM, SPE, AND TEL18

Minor:21

Required from outside of the department.

General Electives:15

Degree:120

Minor in Communication Arts21

COM 104	Interpersonal Communication	3
COM 407	Theories of Human Communication	3
COM 304	Intercultural Communication	3
SPE 401	Bus. & Professional Communication	3
	COM/SPE/TEL Electives	9

PUBLIC RELATIONS

The Bachelor of Arts in public relations is designed to provide the student with the knowledge essential for entry in the public relations profession. Emphasis is placed on strong writing skills, knowledge of media production, effective human abilities, public speaking, and P.R. principles. In addition, the student is directed towards broad exploration of the liberal arts to enhance knowledge in a wide variety of professional contexts.

Distribution:	45
Department Requirements:	9
TEL 310 Telecommunication Concepts	3
COM 407 Theories of Human Communication	3
COM 470 Seminar in Communication **	3

** Integrative Experience

Core Courses:	33
COM 204 Writing for the Media	3
COM 214 Television Production	3
COM 390 Principles of P.R.	3
COM 391 Case Studies in P.R.	3
COM 393 Verbal Message Encoding	3
COM 495 Communication Law	3
COM 496 Electronic Media Advertising	3
COM 498 Broadcast Journalism	3
ENG 208 Writing as a Profession	3
ENG 444 Business Research, Writing & Editing	3
CAP 325 Desktop Publishing	3

An internship is also required for those students who meet the criteria for the course.

Electives:	33
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A minor from another department or school is recommended for all Public Relations majors as part of the guided electives.

Degree Total:	120
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Minor in Public Relations:	21
COM 204 Writing for the Media	3
COM 214 Television Production	3
COM 390 Case Studies in P.R.	3
COM 391 Principles of P.R.	3
COM 393 Verbal Message Encoding	3
COM 407 Theories of Human Communication	3
COM 495 Communication Law	3

Course Descriptions Communication Prefix: COM

COM 104 Interpersonal Communication (3)
Study of self-concept, perception, language, listening, emotions and conflict as they relate to person-to-person communication.

COM 200 Introduction to Mass Media (3)
Processes, systems, and effects of the printed and electronic media; the role of newspapers, magazines, movies, radio and television.

COM 201 Survey of Communication (3)
Study of all means by which we communicate, and the ethics and impact of various forms of communication on the individual and society. Overview of communication theory and research.

COM 204 Writing for the Media (3)
Writing basic media copy. Emphasis on script preparation and techniques used professionally in the electronic media.

- COM 214 Television Production (3)**
Studio production theory and practice; hands-on experience in basic production, direction, and technical operations of a studio.
- COM 300 Special Topics in Communication (1-3)**
Exploration of selected areas of study in the field of communication. (Limited to a maximum of 6 credit hours.)
- COM 301 Studio Practicum I (1)**
Development of skills in media settings. Prerequisites: COM 214 and permission of instructor. May be repeated for a maximum of 3 credit hours.
- COM 304 Intercultural Communication (3)**
An introduction to the factors which influence communication between individuals of different subcultures. Both theoretical and practical problems of intercultural communication are analyzed.
- COM 326 Small Group Communication (3)**
Theory and practice in leading and participating in small groups. Special focus on problem solving and the management of conflict.
- COM 351 Media Relations for Sport (3)**
A detailed study of professional and collegiate sports and their relationship with the various media outlets. Also SPO 351.
- COM 359 Independent Study (3)**
Opportunity for research and study in the communication profession. Requires approval of Department Chair and Dean.
- COM 390 Principles of Public Relations (3)**
Basic Concepts of Public Relations; the tools and media used in communication with the public.
- COM 391 Case Studies in Public Relations (3)**
The detailed analysis of the utilization of principles and techniques of public relations in a variety of contemporary situations and the practical application of these principles and techniques in a real situation. Prerequisite: COM 390
- COM 393 Verbal Message Encoding (3)**
Theories of human information processing and verbal message encoding, concentrating on the use of fear appeals. Toulmin's model, and Monroe's Motivated Sequence within the context of Social Judgment Theory. Cognitive Dissonance Theory, and Balance Theory. Study of combining reality and imagination into a successful message. Practice in overcoming receiver perceptual problems in successful communication using stereotypical images and other techniques.
- COM 401 Practicum II (1)**
Advanced development of skills in media settings. Prerequisites: COM 301 and permission of instructor. May be repeated for a maximum of 3 credit hours.
- COM 407 Theories of Human Communication (3)**
The study of theoretical orientations in the field of human communication. Focus on twentieth century theorists and schools of thought including models of communication.
- COM 470 Seminar in Communication (3)**
A Senior Seminar in the identification and examination of selected topic(s) in communication. Limited to Department of Communication majors with 90+ credit hours and approved minors. Serves as Department of Communication integrative experience and includes comprehensive examination and Senior thesis.
- COM 491 Television Directing (3)**
Integration of television studio facilities, scripting, and production techniques into directing of basic television formats. Directing exercises and individual projects including planning, producing, directing, and crew work. Prerequisite: COM 214
- COM 493 Message into Medium (3)**
Theories of human information processing and message encoding concentrating on visual message elements. Development of the use of light, space, time, movement, vectors and volume in the composition of modern media messages. Practice in overcoming receiver perceptual problems using visual message elements. Prerequisite: COM 393

COM 495 Communication Law (3)

Studies in the current laws governing the mass media. Role of the FCC, libel, privacy, and First Amendment issues. Also JOURNALISM 495.

COM 496 Electronic Media Advertising (3)

Examines revenue producing process for electronic media. Practice in developing and presenting media plans, use of databases, solution of advertising problems. Place of electronic media in advertising.

COM 497 Media Management (3)

Problems and concerns in the management of the media. Practical experience in resolving business problems, promotions, sales, advertising, financing, and regulation. Recommended prerequisites: COM 495 and COM 496.

COM 498 Broadcast Journalism (3)

Principles of journalism applied to the electronic media. Extensive experience in field reporting and writing news copy. Prerequisite: COM 204 (same as JOURNALISM 498).

COM 499 Internship (3-6)

Practical experience in communication in a professional setting. Prerequisites: Senior standing (90+ credit hours); 2.5 overall G.P.A. with minimum 3.0 G.P.A. in major; approval of Advisor, Department Chair and Dean.

TELECOMMUNICATION

As the information age advances into the 21st Century, the telecommunications industry expansion and deregulation is resulting in significant professional opportunities. In an effort to meet this demand, the telecommunications Bachelor of Science degree emphasizes the role and function of information transfer technologies within the operations of information networks management. The program targets both effective communication techniques and a knowledge of the technologies employed in the profession. The degree works in concert with a minor in Computer Science.

DEGREE REQUIREMENTS

Distribution:45

Math and Science Requirements:

- MAT 109 Precal Math I
- MAT 110 Precal Math II

Social and Behavioral Sciences

- ECO 200 Principles of Economics (I)

Department Requirements:9

- TEL 310 Telecommunication Concepts 3
- COM 407 Theories of Human Communication 3
- COM 470 Seminar in Communication ** 3

** Integrative Experience

Major in Telecommunication (Core Courses):24

- TEL 340 Introduction to Telephony 3
- TEL 420 Telecommunication Systems 3
- TEL 440 International Telecommunication 3
- TEL 490 Telecommunication Project 3
- COM 495 Communication Law 3
- BUS 181 Concepts of Business Behavior 3

ECO 202	Principles of Economics	3
MAT 152	Elem. Probability & Statistics	3

An internship is also required for those students who meet the criteria for the course.

Required Minor in Computer Science/Applications21	
Electives21	
Degree Total120	
Telecommunication Minor21	
TEL 310	Telecommunication Concepts	3
TEL 340	Introduction to Telephony	3
TEL 3xx	Digital Communication	3
TEL 420	Telecommunication Systems	3
TEL 440	International Telecommunication	3
TEL 4xx	Distributed Data Processing Nets	3
COM 495	Communication Law	3

Course Descriptions: Telecommunication Prefix: TEL

TEL 310 Telecommunication Concepts (3)
 A broad overview of telecommunications is presented — from the early days of electrical communication to modern times. Basic principles will be introduced and will be further considered, in detail, in other courses. Included subjects will be historical events, regulations, analog and digital systems, transmission systems, impairments, networks, switching, traffic engineering, and management issues.

TEL 340 Introduction to Telephony (3)
 Design and operation principles for basic voice networks are presented. Essential elements of speech, video, data and images are examined as electrical signals. Included subjects will be traffic analysis techniques, analog to digital conversion (digital voice), digital to analog conversion (MODEMS), FAX transmission, service offerings (T CARRIERS, OFF PREMISE EXTENSION, FOREIGN EXCHANGE, WIDE AREA TELECOMMUNICATIONS SERVICE, etc.), CENTREX vs. PBX, and system design considerations. Both design and analysis projects will be used. One objective is to provide a better understanding of the many service and product offerings.

TEL 420 Telecommunication Systems (3)
 An overview of current national and local networks is presented — with a comparison of their relative merits for various types of traffic loads and business requirements. The focus will be network design considerations. Project examples will provide a greater understanding of the system components selection process. Included subjects will be types of networks currently in use, networks topologies (electrical and physical), network components, switching and concentration, signaling, signaling system standards, impairments, analysis techniques, network control, and network design.

TEL 440 International Telecommunication (3)
 Examination of trans-border flow of information, both political and technical, is presented. Included subjects will be the obstacles and opportunities of the dynamic international environment, international standards, global network considerations, international standards organizations, Post Telephone & Telegraph Administrations, satellites vs. fiber communications, interface issues, continuing privatization, global network management considerations, services available, the changing face of Europe (EC 92), and developing trends world-wide.

TEL 490 Telecommunication Project (3)
 The student and instructor will choose an appropriate final project. The culmination is both comprehensive and analytical in relationship to a specific area of telecommunications. Prerequisite: Senior standing and permission of advisor and instructor.

NON-DEGREE PROGRAM

SPEECH

Course Descriptions: Speech Prefix: SPE

SPE 100 American English Phonetics Vowels (3)

Introduction to linguistic theory and study of American English phonetics, with a focus on remediation of foreign accent. Emphasis on articulation of vowel sounds. Intensive individualized instruction. Assignments and examinations. Does not satisfy SPE or ENG distribution requirements. (Also ENG 100)

SPE 101 Fundamentals of Speech (3)

Study and practice of the basic skills in interpersonal and public communication.

SPE 105 American English Phonetics (3)

Reduction of foreign and regional accents. Focus on the International Phonetic Alphabet (IPA), with emphasis on linguistic variables that influence accent reduction: articulation, stress, intonation, word order, phrasing, and vocabulary. Individualized instruction incorporating speaking, reading and writing. Does not fulfill distribution or degree requirements. (Also ENG 105)

SPE 312 General Speech (3)

Experience in varied communication skills, public speaking, group discussion, voice production, and classroom teaching. Limited to Education majors only.

SPE 401 Business and Professional Communication (3)

Application of principles of speech communication in the presentation of informational reports, conference management, and interviewing.

SPE 411 Speech Correction for Children (3)

Non-technical course in speech correction for the teacher who deals with speech-handicapped children in the classroom. Also EDU 411.

SPE 424 Advanced Public Speaking (3)

Application of public speaking skills in individual and group presentations. Emphasis on preparation, construction, presentational media, and delivery of the presentation in a variety of public situations. Prerequisite: SPE 101

SPE 476 Teaching Speech and Theater in the Secondary School (3)

Methods and materials available for teaching speech and for directing extracurricular speech and drama activities; required for teacher certification. Prerequisite: Candidacy in the School of Education.

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

Ina H. Steinberg, Ph.D., Interim Chair

Faculty: Alzaga, Alvarez, Armesto, Benz, Bowers, Byrne, Ganter, Gellens, Hodgson, Leeder, McCallus, Nodarse, Paolini, Schanfield, Steinberg.

ENGLISH

A student who wishes to major in English may choose one of three concentrations within the English major: English/Literature; English/Journalism; and English/Professional Writing.

A minor in English consists of a minimum of 21 credits beyond English 111 and 112 in courses within one of the three concentrations.

The minimum grade of C is required in all major and minor courses.

At the end of their programs, all English majors must satisfactorily complete a comprehensive examination.

ENGLISH/LITERATURE

The concentration in **Literature** consists of a minimum of 42 credit hours distributed among the following:

Survey Courses (minimum of 12 credits):

- | | |
|---------|-----------------------------|
| 331/332 | English Literature I & II |
| 316 | World Literary Masterpieces |
| 324 | Major American Writers |
| 439/440 | Theatre History I & II |

Theory/Criticism Courses (minimum of 6 credits):

- | | |
|-----|---------------------------------|
| 387 | Introduction to Literary Theory |
| 389 | Advanced Critical Readings |

Period Courses (minimum of 12 credits):

- | | |
|-----|--|
| 420 | Medieval English Literature |
| 421 | Sixteenth-Century English Literature |
| 422 | Seventeenth-Century English Literature |

423	Restoration and Eighteenth-Century English Literature
424	American Literature: 1800-1865
425	American Literature: 1865-1914
426	American Literature: 1914-present
432	Nineteenth-Century English Literature: the Romantics
433	Nineteenth-Century English Literature: the Victorians
460	Twentieth-Century Literature: 1900-1945
461	Twentieth-Century Literature: 1945-present

Authors Courses (minimum of 6 credits):

407	Shakespeare
429	English Studies

Genre Courses (minimum of 6 credits):

315	The Novel
320	Children's Literature
429	English Studies
441	Contemporary Theatre

Course Descriptions – English Prefix: ENG

103a Basic English: Composition (3)

Emphasis on writing skills. The course does not fulfill distribution or degree requirements. A minimum grade of C is required to proceed to English 111 or other English courses. Three graded attempts maximum. Must be completed by the end of 29 credit hours. Grading is CR, NC, or IP.

105 American English: Phonetics (3)

Reduction of foreign and regional accents. Focus on the International Phonetic Alphabet (IPA), with emphasis on linguistic variables that influence accent reduction: articulation, stress intonation, word order, phrasing, and vocabulary. Individualized instruction incorporating speaking, reading, and writing. Does not fulfill distribution or degree requirements. (Also SPE 105).

111 Freshman Composition and Literature (3)

Writing of short papers and readings in the humanities. A minimum grade of C is required to earn credit and to satisfy graduation requirements. Fulfills the Gordon Rule.

112 Techniques of Research (3)

Writing the research paper and readings in the humanities. A minimum grade of C is required to earn credit and to satisfy graduation requirements. Fulfills the Gordon Rule. Prerequisite: ENG 111 with C or better.

207 Composition II (3)

Thorough review of the writing process. Students will study and write various forms of academic and non-academic prose: essays of rhetorical analysis, argumentative and persuasive essays, editorial and feature forms. Fulfills the Gordon Rule. Prerequisite: ENG 112 or permission of Department Chair.

210 The Literary Tradition (3)

Selected readings from among the three major genres—fiction, poetry, drama. Writing of short critical papers emphasizing genre recognition and analytical skills. Fulfills the Gordon Rule. Prerequisite: ENG 112 or permission of Department Chair.

300 Special Topics (3)

Content to be determined each semester by the Department as requested by faculty and/or students to fill specified needs or interests.

315 The Novel (3)

Structural analysis of the novel. Selections vary.

316 World Literary Masterpieces (3)

World masterpieces from the ancient East and West to the twentieth century.

- 320 Children's Literature (3)**
Survey of literature suited to the needs of children. Same as EDU 320.
- 324 Major American Writers (3)**
Study of major American authors from the colonial period to the present.
- 331/332 English Literature I, II (3) (3)**
Historical survey of the literature of England to the twentieth century.
- 387 Introduction to Literary Theory and Criticism (3)**
Introduction to the nature of literature and to the methods of approaching it. Implications for criticism across the arts.
- 389 Advanced Critical Readings (3)**
In-depth analysis of selected works.
- 403 History of the English Language (3)**
Formation and growth of the language, with special attention to sources, structure, and idiom. Includes a study of American modifications of the language.
- 407 Shakespeare (3)**
Shakespearean plays. Emphasis on the author's artistic development. Same as TH 407.
- 420 Medieval English Literature (3)**
Major literary works of the Middle Ages to 1485.
- 421 Sixteenth-Century English Literature**
Major literary works from Wyatt through Spenser.
- 422 Seventeenth-Century English Literature (3)**
Major literary works from Donne through Milton.
- 423 Restoration and Eighteenth-Century English Literature**
Major literary works from Dryden through Johnson.
- 424 American Literature: 1800-1865 (3)**
Selected works from major writers of the period.
- 425 American Literature: 1865-1914 (3)**
Selected works from major writers of the period.
- 426 American Literature: 1914-present**
Selected works from major writers of the period.
- 429 English Studies (3-12)**
Selected literary topics, works, figures, and genres.
- 432 Nineteenth-Century English Literature: the Romantics (3)**
Major literary works of the period.
- 433 Nineteenth-Century English Literature: the Victorians (3)**
Major literary works of the period.
- 439/440 Theatre History I, II (3) (3)**
Theatrical event and its attendant literature from ritual beginnings to the closing of the playhouses in England and from the Restoration to the 1950's and the advent of absurdist theatre. Same as TH 439,440.
- 441 Contemporary Theatre (3)**
Study of the plays and theatrical practices of the time. Same as TH 441.
- 359, 459 Independent Study (3) (3)**
Opportunity for extensive research in areas of special interest to the student. Prerequisite: Department Chair and Dean approval.
- 460 Twentieth-Century Literature: 1900-1945 (3)**
Selected works of the period.
- 461 Twentieth-Century Literature: 1945-present (3)**
Selected works of the period.
- 476 Teaching English in the Middle and Secondary School: 6-12 (3)**
Problems confronting teachers of English in the middle and secondary school, current research, organization of courses, sources of materials and textbooks, and methods of teaching. Prerequisite: Candidacy in the School of Education.

ENGLISH/JOURNALISM

The **Journalism** concentration within the English major is designed to include three essential elements: (1) communication competency courses aimed at basic skills training; (2) conceptual knowledge courses that exhibit journalism within an interdisciplinary context; and (3) professional modules aimed at acquainting the student with specific applications within the field.

The major in English/Journalism requires a minimum of 39 credits including:

English/Journalism (Core Courses)

JOU 207	Introduction to Journalism
JOU 241	The Press in Contemporary Society
JOU 243	News Reporting, Writing, and Editing
JOU 441	Research in Journalism
JOU 442	Colloquium on Current Affairs
JOU 470	Seminar on Journalism: the Craft of Nonfiction
JOU 490	Internship

Course Descriptions – Journalism Prefix: JOU

207 Introduction to Journalism (3)

Covers the fundamentals of modern journalism, both writing and production. Students learn about writing styles for specific types of articles, about copy editing and proof-reading, typography, page make-up, photojournalism, advertising, and journalism ethics. Students are expected to become staff members of the *Barry Buccaneer* as part of course requirements. This course is the pre-requisite to all other Journalism courses.

241 The Press in Contemporary Society (3)

Tracing developments from the colonial press, study of the structure and performance of the press in historical perspective as it interacts with other contemporary social institutions. Emphasis on the functional role of the press.

243 News Reporting, Writing, and Editing (3)

Thorough study and practice of news reporting, writing, and editing techniques.

300 Special Topics (3-9)

Diverse courses on specialized forms of reporting will be offered periodically depending upon interest and need. E.g., Editorial and Persuasive Writing; Public Information and Public Affairs Reporting; Reporting in Urban and Metropolitan Affairs; Local Government, Public Policies, and Reporting; Environmental Ideology and Reporting; Public Affairs, Investigative, and In-depth Reporting; Writing for Religious Publications; Sports Writing.

315 Photojournalism (3)

Emphasis upon visual communication and effective photographic documenting of events. Prerequisite: ART 203 or permission of Department Chair.

342 Feature Writing (3)

Study of feature stories in newspapers and magazines. Emphasis on the preparation of publishable material.

359, 459 Independent Study (3) (3)

Opportunity for extensive research in areas of special interest to the student. Prerequisite: Department Chair and Dean approval.

401 Advertising (3)

Survey of the field of advertising in its social, economic, and management contexts. Consideration given to the research, design, and implementation of an advertising campaign.

441 Research in Journalism (3)

Individual study of current problems in journalism. The course will provide students with a working knowledge of how other disciplines (e.g., history, statistics, the social sciences) use journalism. Topics covered will be propaganda, international journalism, the documentary, etc.

442 Colloquium on Current Affairs (3)

An interdisciplinary course emphasizing in-depth analyses of major contemporary problems as reported by the media.

444 Critical Writing and Reviewing (3)

Principles and practice in the writing of criticism of artistic works and performances.

445 Publicity and Public Relations (3)

Study of the historical development of public relations with emphasis on the principles and practice of writing publicity for various types of organizations.

470 Seminar in Journalism: The Craft of Nonfiction (3)

Independent investigation of a problem leading to a freelance article.

490 Internship (3)

Semester-long study in an area of the student's choice: newspaper reporting, magazine writing, film, etc. Prerequisite: CAP 325 or permission of Department Chair.

495 Communication Law (3)

Relationship of mass media to society; responsibility, regulations, and philosophy. (Same as COM 495).

498 Broadcast Journalism (3)

Principles of journalism applied to the electronic media. Experience in field reporting and writing news copy. (Same as COM 498).

ENGLISH/PROFESSIONAL WRITING

The concentration in **Professional Writing** is an academic program to prepare Barry graduates for challenging positions as practitioners in the broad spectrum of professional writing, including but not limited to these areas: investigative, editorial, satiric, and literary journalism; corporate and speech writing; advertising for print and electronic media; scientific, technical, and engineering documentation; and writing for educational, governmental, and other not-for-profit agencies.

The premise of this program is two-fold:

1. That mastery of the rhetorical principles of composition underlies all writing contexts; and
2. That expertise in invention, composition, revision, and editing methods provides a graduate with flexibility to adapt easily to the varying conventions and audiences of professional writing.

Students enrolled in this program will master the conventions for content, organization, and style; will learn to write for different disciplines; and will become skilled in the persuasive strategies utilized by writing professionals.

After undergoing this course of study, students will be able to perform all the tasks needed to produce publications—from data gathering, through writing and editing, to graphics and layout. The program will provide students with an overview of the kinds of jobs available to writing specialists in a variety of fields. At the same time, the program

will provide solid grounding through skills and networking that will enable students to choose a field in which to specialize after graduation, if they so desire.

A graduate of this program will be qualified to seek an entry-level position as a writer in the corporate, industrial, and governmental sectors; scientific and technical communities; advertising and public relations fields; journalistic world; and virtually every profit and not-for-profit enterprise that requires written messages designed to promote information gain, induce attitude change, and affect behavior.

MAJOR (CORE COURSES)

ENG 208	Writing as a Profession	3
ENG 312	Advanced Composition	3
ENG 404	Persuasive Writing	3
ENG 406	Rhetorical Analysis	3
ENG 410	Advanced English Grammar	3
ENG 417	Advertising Copywriting	3
ENG 418	Publication Production and Layout	3
ENG 443	Speech Research, Writing, and Editing	3
ENG 444	Business Research, Writing, and Editing	3
ENG 447	Technical & Scientific Research, Writing, and Ed.	3
CAP 325	Desktop Publishing	3
TOTAL		33

In addition, students will choose a focused minor in an appropriate area such as Journalism, Photography, Business, Creative Writing, Biology, or Computer Science. This will be determined in consultation with appropriate Department/School faculty and approved by the academic advisor.

GRADUATION REQUIREMENTS

Students will complete an integrative experience which consists of a 3- or 6-credit internship. During the internship, students will be able to use their research, writing, and editing skills in conjunction with hardware and software within the graphics and printing industry to produce a portfolio.

Course Descriptions—English Prefix: ENG

208 Writing as a Profession (3)

An overview of the opportunities available for writing careers in such different disciplines as business, the sciences, and the technologies; freelancing; getting a job; negotiating fees. Ethical issues relevant to professional writers will be emphasized. Prerequisite: English 112 or its equivalent or permission of the Department Chair.

312 Advanced Composition (3)

Study of and practice in writing expository prose. Fulfills the Gordon Rule.

333 Introduction to Fiction Writing (3-6)

Along with study of models, students will engage in exercises that explore the creative process and various modes of fiction. Students will write and revise fiction, to compile a portfolio of the semester's work.

334 Introduction to Poetry Writing (3-6)

Along with intensive study of models of classic and contemporary poetry, students will engage in exercises that explore the creative process and various poetic forms. Students will write and revise poems to compile a portfolio of the semester's work.

404 Persuasive Writing (3)

Study of the science and art of using written language to promote information gain, induce attitude change, and affect behavior. Starting with Aristotelian sources of proof, this course will provide a historical perspective on how persuasion has evolved to modern times. Drawing on sociological and psychological principles, it will help students master the language to reach both target and general audiences. Ethical issues will be emphasized.

406 Rhetorical Analysis (3)

In-depth analysis of advertisements, speeches, film, and literature from a rhetorical perspective.

410 Advanced English Grammar (3)

Analysis of English grammatical structures. Emphasis on modern descriptive analysis.

411 Classical Rhetorical Theories (3)

History of rhetoric from the Greco-Roman period to the mid-twentieth century. Attention will be given to the major texts, figures, and movements.

412 Contemporary Rhetorical Theories (3)

Study of the development of contemporary rhetoric based on current research and theory.

413 Fiction-Writing Workshop (3-6)

Intensive study of and practice in the craft of writing fiction. Students will write and present their stories, respond to others' work, and study classical and contemporary theories of fiction as well as models of the craft. Prerequisite: English 333 or permission of Department Chair.

414 Poetry-Writing Workshop (3-6)

Intensive study of and practice in the craft of poetry writing. Students will write and present their poems and revisions, respond to others' work, and study classical and contemporary theories of poetry as well as models of the craft. Prerequisite: English 334 or permission of Department Chair.

417 Advertising Copywriting (3)

Students will learn the theory and techniques necessary to produce successful advertising copy. Students will also learn to integrate the written word with the appropriate visual symbols in order to produce effective messages. Ethical issues within the industry will be emphasized.

418 Publication Production and Layout (3)

Students will learn how to enhance the written material through the inclusion of appropriate graphic techniques and design: colors, typesetting, layout, etc. Students will also learn the concepts and terminology necessary to deal with publishers and other professionals in the graphics industry.

443 Speech Research, Writing, and Editing (3)

Students will learn to research, organize, and write speeches to be delivered to internal and external audiences. Students will learn to assess the needs and stylistic characteristics of speakers, gather data, assess intended audience response, and use effective rhetorical techniques. Students will practice oral presentation skills for the marketplace. Ethical issues relevant to the responsibilities of the speech writer will be included.

444 Business Research, Writing, and Editing (3)

Study and practice of the kinds of internal and external writing used in different organizations—utilities, for-profit corporations, non-profit organizations, and others. Practice in the researching, writing, and editing of letters, memos, reports, market analyses, promotions, product descriptions, grants, proposals, etc. Relevant ethical issues will be included.

447 Technical & Scientific Research, Writing, and Editing (3)

Students will research, write, and edit general technical materials such as manuals, descriptions, and specifications. Applications to particular technologies—computers, engineering, aerospace, and others—will also be included. Relevant ethical issues will be addressed.

FRENCH

The French program, besides enabling students to acquire proficiency in the four basic skills—listening, speaking, reading, and writing—provides for a deeper understanding of the French culture. These objectives aim to prepare the student for teaching and for work related to translating and interpreting, diplomatic service, overseas business and industry, social welfare, law, nursing, allied health professions, etc.

The French major consists of a minimum of 30 credits.

MAJOR (CORE COURSES)

FRE 302 Introduction to French Literary Texts

FRE 305,306 Survey of French Literature I, II

FRE 379 Culture and Civilization

Students will choose 18 additional credit hours beyond FRE 101-102.

Students who are planning to teach should add FRE 476, Teaching Foreign Languages: K-12.

MINOR IN FRENCH

A minor in French requires a minimum of 21 credit hours.

Students are placed in French classes according to their level of proficiency.

Up to six credits in French will be granted for CLEP upon completion of at least six credits in French beyond the elementary level taken at Barry University.

GRADUATION REQUIREMENTS

The minimum grade of C is required in all major courses. At the end of the program, French majors must complete satisfactorily a comprehensive examination that includes an oral component.

Course Descriptions-French Prefix: FRE

101-102 Elementary French I, II (3) (3)

Introduction to French as a spoken and written language; conversation with emphasis on practical vocabulary and accurate pronunciation; practice in class and in the laboratory in understanding and using the spoken language; reading and writing with progressive grammatical explanations. FRE 102: Prerequisite: FRE 101 or equiv

203-204 Intermediate French I, II (3) (3)

Intensive oral and written review of pronunciation and the structures of the French language; recognition and active handling of aural comprehension and oral production; reading and writing. FRE 203: Prerequisite: FRE 102 or equiv; FRE 204: Prerequisite: FRE 203 or equiv.

250 Conversation and Composition (3)

Diction and fluency in the language; prepared and extemporaneous dialogues and reports on current topics; practice in writing French with accuracy; systematic review of the grammatical principles of the French language; study and practice of French pronunciation with exercises in diction. Prerequisite: FRE 204 or equiv.

300 Special Topics (3-12)

Content to be determined to fill specific needs or interests.

- 301 Advanced Conversation, Composition and Grammar (3)**
Intensive study of written and spoken French. Development of skills to facilitate spontaneity of expression. Practice in contemporary usage through selected readings. Prerequisite: FRE 250 or equiv.
- 302 Introduction to French Literary Texts (3)**
Introduction to French literature through close reading and discussion of selected works chosen from representative genre. Includes compositions, conversation, and introduction to literary criticism through literary dissertations and class discussions. Conducted in French. Prerequisite: FRE 250 or equiv.
- 305-306 Survey of French Literature I, II (3) (3)**
Historical survey of French literature to the twentieth century; representative works of each period.
- 317 Commercial French (3)**
Introduction to the use of the French language as a means of communication in the world of business. Emphasis on basic commercial terminology, documentation and correspondence. Areas such as advertising, trade, banking and finance will be investigated in this course.
- 325 Introduction to Translation (3)**
Emphasis on basic principles of translation and interpretation. Techniques and resources for professional translations.
- 326 Introduction to Interpretation (3)**
Emphasis on basic principles of interpretation. Techniques and resources for professional interpretation.
- 379 Culture and Civilization (3)**
Historical survey of the life and culture of the French people. Conducted in French. Prerequisite: FRE 250 or equiv.
- 380 Contemporary Culture and Civilization (3)**
Survey of the life and culture of the French people of the twentieth century. Panorama of contemporary French intellectual and artistic achievements. Conducted in French. Prerequisite: FRE 250 or equiv.
- 400 Twentieth-Century Cinema (3)**
Study of the development of the French cinema from 1895 to the present. Film will be studied as an art form and as an expression of the society that produces it. Developments from the silent era, through sound, to contemporary technical achievements will also be analyzed.
- 402 Introduction to Practical Stylistics (3)**
Advanced grammar and syntax exercises. Systematic study of the problems of translations and their solutions. Weekly conversation topics to improve oral expression.
- 440 Classicism (3)**
Classical and baroque in French seventeenth century literature; themes and structures in works of the principal figures of the day, such as a Descartes, Corneille, Pascal, Moliere, Racine, Mme. de Sevigne, La fontaine, and La Bruyere.
- 444 Eighteenth-Century Literature (3)**
Focus on eighteenth century French literature; themes and structures in the works of the principal literary figures of the century.
- 445 Nineteenth-Century Literature (3)**
Study of themes and structures in the works of the principal literary figures of the nineteenth century, from Chateaubriand to Mallarme.
- 460 Contemporary Literature (3-6)**
Main currents of thought and choices in literary style among contemporary authors.
- 461 Twentieth-Century Theatre (3-6)**
Plays and dramatic theories of representative dramatists of the twentieth century.
- 476 Methods of Teaching Foreign Languages: K-12 (3)**
Traditional and modern methods of teaching comprehension and language skills; organization of units of work and lesson plans. Analysis of modern texts, test and materials; use of the language laboratory. Prerequisite: Candidacy in the School of Education.
- 487 Seminar (3-12)**
Selected literary topics, including thematic, genre and historical approaches

SPANISH

The Spanish program provides students with proficiency in the four basic skills – listening, speaking, reading and writing – and gives them a deeper understanding of the Hispanic culture. It aims to prepare Spanish majors not only to teach, but also to broaden their career opportunities by gaining proficiency in Spanish. Translating and interpreting, diplomatic service, international business and industry, social welfare, law, nursing, allied health communications and services, among others, are areas enhanced by the command of Spanish.

The Spanish major consists of a minimum of 30 credits.

In the Spanish three-track program, students are placed according to their level of proficiency and may choose among the following courses:

Track I (for non-natives learning the language)

SPA 101, 102	Elementary Spanish I, II
SPA 150, 153	Spanish for Business I, II
SPA 203, 204	Intermediate Spanish I, II
SPA 253	Intermediate Spanish for Business
SPA 304	Advanced Spanish
SPA 307	Advanced Conversation
SPA 315, 316	Reading and Writing I, II
SPA 317	Commercial Spanish

Track II (for students from a Hispanic background with no formal training in the language)

SPA 315, 316	Reading and Writing I, II
SPA 317	Commercial Spanish
SPA 320	Structural Analysis of English and Spanish

And, when sufficiently advanced, any Special Topic (300), or other literature courses.

Track III (for native speakers or non-natives with near-native fluency)

SPA 300	Special Topics
SPA 315, 316	Reading and Writing I, II
SPA 317	Commercial Spanish
SPA 320	Structural Analysis of English and Spanish
SPA 355, 356	Survey of Spanish Literature
SPA 359/459	Independent Study
SPA 360, 361	Survey of Hispanic-American Literature I, II
SPA 366	The Hispanic-American Novel
SPA 440	Spanish Literature of the Golden Age
SPA 443	Twentieth-Century Spanish Literature
SPA 447	Contemporary Spanish-American Fiction
SPA 476	Teaching of Foreign Languages: K-12
SPA 487	Seminar

Under the direction of their advisors, Spanish majors will choose courses distributed among the following areas:

Survey Courses (minimum of 12 credits):

- SPA 355 Survey of Spanish Literature I
- SPA 356 Survey of Spanish Literature II
- SPA 360 Survey of Hispanic-American Literature I
- SPA 361 Survey of Hispanic-American Literature II

Period Courses (minimum of 6 credits):

- SPA 440 Spanish Literature of the Golden Age
- SPA 443 Twentieth-Century Spanish Literature
- SPA 447 Contemporary Hispanic-American Fiction or appropriate
- SPA 300 Special Topics (appropriate courses)
- SPA 487 Seminar

Authors/Genres Courses (minimum of 6 credits)

- SPA 366 The Hispanic-American Novel
- SPA 300 Special Topics (appropriate courses)
- SPA 487 Seminar

Language/Writing/Teaching Courses (minimum of 6 credits)

- SPA 315 Reading and Writing I
- SPA 316 Reading and Writing II

Students who are planning to teach should add SPA 476, Teaching Foreign Languages: K-12.

Up to six credits in Spanish will be granted for CLEP upon completion of at least six credits in Spanish beyond the elementary level taken at Barry University.

The minimum grade of C is required in all major courses. At the end of the program, Spanish majors must complete satisfactorily a comprehensive examination.

Minor in Spanish

The Spanish minor is available under two options: a general minor consisting of 21 credit hours in Spanish and the Certificate Program in Translation and Interpretation (24-27 credits)

CERTIFICATE PROGRAM IN TRANSLATION AND INTERPRETATION

Required courses:

SPA 315	Reading and Writing I	3
SPA 316	Reading and Writing II	3
SPA 320	Structural Analysis of English and Spanish	3
SPA 325	Introduction to Translation	3
SPA 326	Introduction to Interpretation	3
SPA 425	Advanced Techniques of Translation	3
SPA 426	Advanced Techniques of Interpretation	3

Recommended:

SPA 499	Internship	3, 3
Total:		<u>24-27 credits</u>

Course Descriptions — Spanish Prefix: SPA

101, 102 Elementary Spanish I, II (3) (3)

Introduction to Spanish; conversation, with emphasis on a practical vocabulary and accurate pronunciation; reading and writing with progressive grammatical explanations.

150 Spanish for Business I (3)

An introductory course in conversational Spanish with an emphasis on business terminology, accurate pronunciation, and practical applications. For students with little or no preparation in Spanish.

153 Spanish for Business II (3)

Conversational Spanish with emphasis on business terminology and practical applications. Not open to native speakers or to students with two or more years of Spanish.

203, 204 Intermediate Spanish I, II (3) (3)

Intensive review of Spanish pronunciation and grammatical patterns; recognition and active handling of aural comprehension and oral production, as well as reading and writing. Prerequisite: SPA 102 or equivalent.

253 Intermediate Spanish for Business (3)

Conversational Spanish with emphasis on business terminology, documentation, and correspondence. Prerequisite: SPA 101-102 or 150-153 or equivalent.

300 Special Topics (3-12)

Content to be determined each semester by the Department as requested by faculty and/or students to fill specified needs or interests.

304 Advanced Spanish (3)

Focus on the intensive study of the written and spoken language. Practice of advanced skills will be provided to facilitate spontaneity of expression.

307 Advanced Conversation (3)

Development of speaking skills. Prepared and extemporaneous dialogues, reports, skits on real-life situations, and other projects. For non-native speakers. Prerequisite: SPA 204 or equivalent.

315, 316 Reading and Writing I, II (3) (3)

Readings in Spanish as well as study of grammar, accents, and spelling. Techniques of composition. For native and non-native speakers with command of the language.

317 Commercial Spanish (3)

Introduction to the use of the Spanish language as a tool for international trade. Emphasis placed on commercial terminology, documentation and correspondence. Areas such as advertising, foreign trade, transportation, banking and finance will also be investigated in this course.

320 Structural Analysis of English and Spanish (3)

Course for students of translation and interpretation and for those who plan a career in language teaching. The course will use contrastive analysis, wherein any two languages are compared in order to ascertain which structures of one language are the most similar to or the most diverging from those of the other.

325 Introduction to Translation (3)

Emphasis on basic principles of translation and interpretation. Techniques and resources for professional translations.

326 Introduction to Interpretation (3)

Emphasis on basic principles of interpretation. Techniques and resources for professional translations

355, 356 Survey of Spanish Literature I, II (3) (3)

Principal movements in Spanish literature; typical works of each period

359/459 Independent Study (3)

Opportunity for extensive research in areas of special interest to the student. Prerequisite: Approval of Department Chair and Dean

360, 361 Survey of Hispanic-American Literature I, II (3) (3)

Principal movements of Hispanic-American literature; typical works of each period.

366 The Hispanic-American Novel (3-6)

Selected readings, discussion, and analysis of major Hispanic-American novels.

425 Advanced Techniques of Translation (3)

Advanced methods and tools for professional translating. Prerequisite: SPA 325 or equivalent.

426 Advanced Techniques of Interpretation (3)

Advanced methods and tools for professional interpreting. Prerequisite: SPA 326 or equivalent.

440 Spanish Literature of the Golden Age (3-6)

Selected readings, discussions, and analysis of the works of the principal writers of the sixteenth and seventeenth centuries.

443 Twentieth Century Spanish Literature (3-6)

Selections from the poetry, prose and drama of the twentieth century.

447 Contemporary Hispanic-American Fiction (3-6)

Discussion and analysis of selected works.

476 Teaching of Foreign Languages: K-12 (3)

Traditional and modern methods of teaching comprehension and language skills; organization of units of work and lesson plans; analysis of modern texts, tests, and materials; use of language laboratory. Prerequisite: Candidacy in the School of Education.

487 Seminar (3-12)

Selected literary topics including thematic, genre, and historical approaches.

499 Internship (3) (3)

Opportunity for students in the certificate program in Translation and Interpretation to acquire experience by working with professionals in the field. Prerequisite: SPA 425 or 426, and approval of Department Chair and Dean.

NON-DEGREE PROGRAMS

CHINESE

Course Descriptions - Chinese Prefix: CHI

101-102 Elementary Chinese I, II (3) (3)

Modern Chinese for beginners. This course will use comparative methods to teach basic structures in terms of phonetics, syntax, and semantics. Modern scheme for romanization of the writing system (the Pinyin system) will be taught together with the traditional Chinese characters. Emphasis on the practical command of the four language skills—listening, speaking, reading, and writing.

300 Special Topics (3-12)

Contents to be specified by the department of English and Foreign Languages according to the interests and needs of faculty and/or students. **Under CHI 300, Special Topics, the course listed below will be offered.**

Chinese Culture and Civilization (3)

This course will provide a general survey of ancient China as well as of modern China. Emphasis will be placed on the first emperor of China, the last emperor of China, the T'ang Dynasty, the founding of the Republic of China, and the establishment of the People's Republic. The course will touch upon the unique transfer of a Communist society's movement into the modern world: changing economic structure, foreign policy, medicine, art, education and social mores (e.g. divorce, juvenile delinquency, etc.).

ITALIAN

Course Descriptions - Italian Prefix: ITA

101-102 Elementary Italian I, II (3) (3)

Introduction to Italian as a spoken and written language; conversation with emphasis on practical vocabulary and accurate pronunciation; practice in class and in the laboratory in understanding and using the spoken languages; reading and writing with progressive grammatical explanations. ITA 102: Prerequisite: ITA 101 or equivalent.

RUSSIAN

Course Descriptions - Russian Prefix: RUS

101-102 Elementary Russian I, II (3) (3)

Comprehensive training in the basic elements of the language, embracing vocabulary building, grammatical construction, correct pronunciation, reading and conversational ability. RUS 102: Prerequisite, RUS 101 or equivalent.

150 Russian for Business (3)

An introduction to spoken and written Russian specifically designed for students who seek degrees in business or economics and/or wish to pursue employment with the government. This course will concentrate on general conversational skills and introduce students to the format and jargon used in business communication.

203-204 Intermediate Russian I, II (3) (3)

Intensive study of the more advanced grammatical patterns; concentration on developing greater fluency in both reading and conversation; review of syntax, vocabulary, idiomatic expressions, proverbs, etc.

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

Course Descriptions – TESOL Prefix: TSL

476 Teaching Limited English Proficient (LEP) Students: K-12 (3)

Designed to assist teachers in dealing with limited English proficient (LEP) students, this course addresses articulation and understanding among ESOL, bilingual, and content-area teachers; identifies teaching techniques which can be integrated into content classrooms to serve LEP students; familiarizes teachers with the process of second-language acquisition and with using the four language skills to enhance content classes; and enables teachers to recognize cultural bias in content materials while sensitizing them to the special needs of LEP students.

DEPARTMENT OF FINE ARTS

Faculty: Althouse, Curreri, Ford, Lizama, Maddern, Neal, Solla.

ART

The art program prepares majors for their future lives as professional artists or art educators and for advanced study at the graduate level. The classes are designed to foster individual growth in an integrated academic and studio environment. Courses are also recommended for non-majors who wish to enrich their lives and develop new skills.

MAJOR (CORE COURSES)

ART 101A	Basic Drawing
ART 101B	2-D Design
ART 102A	Intermediate Drawing
ART 102B	3-D Design
ART 209, 210	History of Western Art
ART 399	Art Management

Six art credits count toward the required liberal arts distribution.

GRADUATION REQUIREMENTS

The minimum grade of "C" is required in all major courses. In their final year, art majors participate in a senior exhibition in fulfillment of the requirement for an integrative experience. Juniors are required to pass a faculty review before they begin preparing for their senior exhibition.

The University reserves the privilege of retaining one student work for the purpose of exhibition or as part of the Department's permanent collection. The University also reserves the right to reproduce and publish student works.

Program of Study

	B.F.A.	B.F.A. (Education)
Art History	12	9
Art Studio	54	45
Liberal Arts Distribution	39 (45)	39 (45)
Electives (Non-Art)	15	-
Certification Requirements	-	28
	<u>120 cr</u>	<u>121 cr</u>

ART MANAGEMENT

The B.A. in Art Management provides course work and experience directed towards managing an art facility. The program includes a business minor and credits in mathematics and communications.

DEGREE REQUIREMENTS

MAJOR (CORE COURSES)

ART 101A	Basic Drawing	3
ART 101B	2-D Design	3
ART 209, 210	History of Western Art	3,3
ART 399	Art Management	3
ART 499	Internship	3
	Studio Electives	12
	Art History Electives	6
	Total Art Credits:	<u>36</u>

Corequisites

CAP	180	Introduction to Computers	3
MAT	108	Precal Math for Business	3
MAT	152	Elementary Probability and Statistic	3
COM	200	Introduction to Mass Media	3
COM	390	Principles of Public Relations	3
		Total of Corequisite Credits	<u>15</u>

REQUIRED MINOR IN BUSINESS

BUS	181	Concepts of Business Behavior	3
ACC	201	Principles of Accounting I	3
ECO	201	Principles of Economics I	3
MGT	305	Management Concepts and Applications	3
MKT	306	Marketing Concepts and Applications	3
		Choice of two business electives approved by dean.	6
		Total for Minor in Business	<u>21</u>

GRADUATION REQUIREMENTS

The integrative experience is an internship (ART 499). The minimum grade of "C" is required in all major and minor courses.

Minor in Art

21 credits in Art Studio and/or Art History.

Course Descriptions - Art Prefix: ART

101A Basic Drawing (3)

Beginning theory and application of basic drawing materials, techniques, and concepts focusing on still life as subject matter. (Special fee)

101B 2-D Design (3)

Introduction to basic two-dimensional design concepts, theory and techniques through the study of the principles and elements of art. Color theory and linear perspective will be included. (Special fee)

102A Figure Drawing (3)

The study of the structure, anatomy, and expressive design of the human form using a variety of drawing media and techniques. Prerequisite: ART 101A. (Special fee)

102B 3-D Design (3)

Introduction to the theory, concepts, and creation of three-dimensional art through a variety of building processes, materials, and techniques. Prerequisite: ART 101B. (Special fee)

141 Basic Handbuilding (3)

Introduction to clay as an art medium; handbuilding techniques of clay forming, including basic glazing and firing instruction. (Special fee)

173 Basic Camera (3)

A photography course for those with little or no experience desiring a thorough introduction to adjustable camera operation. Usage of films, shutter speed, aperture, depth of field, lenses and filters will be explored through lecture, homework and field trips (no darkroom work).

203 Basic Photography (3)

Introduction to the camera and black and white darkroom procedure; emphasis on technique rather than aesthetics. 35 mm adjustable camera required. Limited number of rental cameras available. (Special fee)

205 Basic Graphic Design (3)

Introduction to graphic design using type and visual symbols. (Special fee)

209, 210 History of Western Art (3) (3)

Art from ancient civilization to the Renaissance, the Baroque period through the nineteenth century and contemporary trends as influenced by the present era.

241 Basic Potter's Wheel (3)

Introduction in the use of the potter's wheel as an important forming technique of the potter/artist. (Special fee)

242 Intermediate Potter's Wheel (3)

Refinement of wheel throwing and handbuilding techniques; greater participation in kiln firing cycles. Prerequisite: ART 241. (Special fee)

260 Basic Painting I (3)

Introduction to the painting medium with a foundation of basic color theory, application and techniques. (Special fee)

265 Basic Painting II (3)

A continuation of the study of basic painting materials and techniques with emphasis on the seeing and painting of value, color and composition. Prerequisite: ART 260. (Special fee)

300 Special Topics (3)

Subject content to be determined by the Department to fill specified needs or interests. (Special fee for Studio courses)

303 Intermediate Photography (3)

Projects involving abstraction and character-portraits allow the student to creatively refine techniques of basic photography; new areas such as hand coloring, toning, high contrast ortho film and solarization are explored. Prerequisite: ART 203. (Special fee)

304 Color Photography (3)

Introduction to printing color enlargements from color negatives using automated EP-2 processing. Emphasis on creative usage of color and quality color printing techniques. Prerequisite: ART 303. (Special fee)

307 Audio Visual Production I (3)

Operation of programmable two-projector dissolve unit with sound synchronized narration, music/sound effects to produce a complete slide/sound presentation. Prerequisite: ART 203. (Special fee)

308 Audio Visual Production II (3)

Advanced techniques in AVP with additional emphasis upon conception research and production of professional quality presentations. Prerequisite: ART 303 and ART 307. (Special fee)

309 Pinhole Photography (3)

Students construct cardboard cameras which produce high quality photographs through usage of black and white paper negatives and positives. Sepia toning, hand coloring, and matting will also be included. (Special fee)

310 Manipulative Photography (3)

A course designed for students wishing to explore alternative methods of making and displaying photographic images. Prerequisite: ART 303. (Special fee)

311 History of Art/Photography (3)

An overview of the evolution of photography from its invention in the 1800's up to contemporary experimental work.

314 Art Appreciation (3)

A broad introduction to the nature, vocabulary, media, and history of art with a concentration in contemporary art.

315 Photojournalism (or JOU 315) (3)

Emphasis upon direct visual communication and effective photographic documenting of events. Prerequisite: ART 203. (Special fee)

341 Glaze and Clay Calculation (3)

Investigation of the properties of various claybodies and their relationship to form, plus study of different glazes and their temperature ranges. Prerequisite: ART 242 or 342. (Special fee)

342 Intermediate Handbuilding (3)

A continuation of study of handbuilding techniques in clay. Emphasis on sculptural refinement of the medium. Prerequisite: ART 141 (Special fee)

359, 459 Independent Study (1-6)

Opportunity for research in areas of special interest to the student. Prerequisite: Dean and Departmental approval. For Majors only. (Special fee)

360, 365 Intermediate Painting I,II (3) (3)

Intermediate study of the painting medium with emphasis on concepts, styles and techniques. Prerequisite: ART 265. (Special fee)

361 Intermediate Painting (3)

Intermediate study of the painting medium with emphasis on concepts, styles, and techniques. Prerequisite: ART 261. (Special fee)

363 Intermediate Drawing I (3)

A continuation of the study of still life drawing concepts with emphasis on color drawing materials and techniques. Prerequisite: ART 102A. (Special fee)

364 Intermediate Drawing II (3)

A continuation of the study of the human form in student's preferred media and techniques. Prerequisite: ART 102A. (Special fee)

376 Art in the Elementary School (3)

Aims and procedures in the development of a creative expression in elementary school children; includes practice and experimentation in various suitable media. (Special fee)

399 Art Management (3)

In-depth study of professional practices of both art managers and artists in promoting and marketing artwork. Topics include funding, gallery contracts, writing resumes and biographical data, slide documentation, formal preparation of artwork for exhibition, etc. Prerequisite: Only for majors and minors, junior status.

403 Advanced Photography I (3)

First half of semester is devoted to color posterization; during the latter half, an individual project is offered; student may then explore personal aesthetic or technical interests through his or her photographic series. Prerequisite: ART 303. (Special fee)

404 Advanced Photography II (3)

Advanced student works on a creative independent project; emphasis on the development of one's personal form of expression within the photographic arts, whether through conventional black and white, color, non-silver processes, or even an inter-disciplinary merging of the other media offered in Fine Arts Department. Prerequisite: ART 403. (Special fee)

407 View Camera Photography (3)

Projects provide exploration of the view camera plus introduce studio/strobe lighting techniques. Student's photographic experiences are broadened through take-home access to the university's view cameras. Prerequisite: ART 303. (Special fee)

409 History of Art, The Renaissance (3)

Art and architecture of the Renaissance in relation to the political and social structures of the 15th and 16th centuries in Italy.

410 History of Art, 19th Century European Art (3)

Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism in European art and architecture studies in relation to political and intellectual developments.

414 Color Photography - Ciba (3)

Printing color enlargements from color transparencies (slides) using automated cibachrome processing. Emphasis on creative usage of color and quality color printing techniques. Prerequisite: ART 303. (Special fee)

441 Advanced Ceramics (3)

Advanced projects and techniques with instruction on an individual basis to suit the student's needs. Prerequisite: ART 341 or 342. (Special fee)

460, 465 Advanced Painting I, II (3) (3)

Advanced painting problems with special emphasis on the development of individual expression, concept, materials, and philosophies; instruction is on an individual basis to suit the students needs. Prerequisite: ART 365. (Special fee)

463, 464 Advanced Drawing I, II (3) (3)

Advanced drawing problems with special emphasis on the development of individual expression, concept, materials, and philosophies; instruction is on an individual basis to suit the students needs. Prerequisite: ART 102A. (Special fee)

476 Methods in Art Education (4)

Philosophy, curriculum, and methods pertinent to the development of creative expression for students in grades 1-12; practice in formulating aims, preparing materials, demonstrating processes, evaluating and displaying work done in the classroom situation. Required for certification in grade K-12. Prerequisite: Candidacy in the School of Education. (Special fee)

487 Seminar (3)

492 Workshop (1-3)

499 Internship (3)

On-site experience in a commercial gallery, museum, or approved organization. Prerequisites: Senior status, department and dean approval. Requires a minimum of 120 hours.

PHOTOGRAPHY

The Photography major explores the creative photographic image and uses this as a vehicle for self-expression and visual communication.

Students seeking a Bachelor of Arts (B.A.) with a major in photography must complete a minimum of 39 credit hours in photography which will include the 21 credits of the photography core.

MAJOR (CORE COURSES)

(21 credits)

- ART 101B 2-D Design
- ART 203 Basic Photography
- ART 303 Intermediate Photography

- ART 304 Color Photography
- ART 403 Advanced Photography I
- ART 404 Advanced Photography II
- ART 414 Color Photography - Ciba

Additional Courses (18 credits minimum)

- ART 173 Basic Camera
- ART 300 Special Topics in Photography
- ART 307/308 A.V. Production 1 and II
- RDM 308 Underwater Photography
- ART 309 Pinhole Photography
- ART 310 Manipulative Photography
- ART 311 History of Art/Photography
- ART 315 Photojournalism
- ART 317 Photography - The Camera
- ART 359 Independent Study
- ART 399 Art Management
- ART 407 View Camera Photography
- ART 459 Independent Study

While still maintaining its creative identity, the photography major may be combined with a minor of a related discipline to provide the student with a versatile and practical program of study. Some recommended minors are Public Relations, Art, Journalism, Business and Communications.

GRADUATION REQUIREMENTS

To demonstrate high professional standards, graduating photography majors must participate in a senior exhibition. This also fulfills the University's requirement for an integrative experience. Juniors are required to pass a faculty review before they begin preparing for their senior exhibition. A minimum grade of "C" is required in all major courses.

MINOR IN PHOTOGRAPHY

A minor in Photography requires completion of 21 credits within the discipline.

The University reserves the privilege of retaining student photographs for the purpose of exhibition or as part of the Department's permanent collection. The University also reserves the right to reproduce and publish student works.

See ART for course descriptions.

THEATRE

Students selecting to major in Theatre will find a program both diverse and practical in nature. There are four tracks: Acting, Technical, Liberal Arts and Theatre Management. The Department provides three

main stage productions a year with additional student projects in the Pelican Theatre. Additional activities and opportunities available to the theatre major are participation in the New Puppet Theatre Co. and Orchesis Dance Co. which tour in the Miami area. In addition, Acting, Technical and Theatre Management internships are available in the Junior and Senior year through auditions and Departmental approval and a "B" average in the major.

Theater Major

The Theatre major prepares students for teaching, performance, and entry into graduate school. For non-majors, the Theatre program includes experience and courses in fundamental methods and content.

A major requires 42 credits, including

TH 105 or 206	Theatrical Movement
TH 155, 156	Fundamentals of Acting
TH 185, 186	Theatre Production
TH 290	History and Design of Stage Costumes
TH 291	Stage Make-up
TH 307	Performing Lab
TH 323	Play Directing
TH 391	Stage Lighting
TH 392	Scene Design
TH 393	Sound Design
TH 439	Theater History I
TH 440	Theater History II
or	
TH 441	Contemporary Theatre

MINOR IN THEATRE (21 credits)

TH 155 or 156	Fundamentals of Acting
TH 185 or 186	Theatre Production
TH 290	History and Design of Stage Costumes
or	
TH 291	Stage Make-up
TH 307	Performing Lab
TH 323	Play Directing
TH 391	Stage Lighting
TH 392	Scene Design
or	
TH 393	Sound Design
TH 439	Theater History I
TH 440	Theater History II
or	
TH 441	Contemporary Theatre

Students seeking certification in education must add: EDU 151 Introduction to Education

EDU 218 Educational Psychology
EDU 441 Primary/Elementary School Curriculum

or

EDU 442 Secondary School Curriculum
EDU 462 Principles of Teaching and Testing
(Primary/Elementary)

or

EDU 463 Principles of Teaching and Testing
EDU 466 Diagnostic Teaching of Reading
EDU 467 Foundations of reading Instruction

or

EDU 468 Reading in the Content Areas
EDU 499 Directed Student Teaching
SPE 411 Speech Correction for Children
SPE 476 Teaching Speech and Theatre in the Secondary School

In order to fulfill departmental requirements for graduation, students must participate in Theatre productions and must complete a Departmental Comprehensive Examination during their final semester. A minimum grade of C is required in all major courses.

THEATRE MANAGEMENT

The B.A. in Theatre Management provides course work and experience directed towards managing a theatre facility. The program includes a business minor and credits in mathematics and communications. The integrative experience is an internship (TH 499). The minimum grade of C is required in all major and minor courses. The program of study is as follows:

MAJOR (36 credits)

TH 155 Fundamentals of Acting
TH 185, 186 Theatre Production
TH 391 Stage Lighting
TH 392 Scene Design
TH 393 Sound Design
TH 399 Facilities Management
TH 439 Theater History I
TH 440 Theater History II
TH 499 Internship

Theatre Electives (11 credits).

Corequisites (15 credits)

CDP 180 Introduction to Computers
MAT 108 Precal Math for Business
MAT 152 Elementary Probability and Statistics
COM 200 Introduction to Mass Media
COM 362 Principles of Public Relations

Required Minor in Business (21 credits)

Corequisites: Math 152; MIS 215

BUS 181 Concepts of Business Behavior

ACC 201 Principles of Accounting I

ECO 201 Principles of Economics I

MGT 305 Management Concepts & Applications

MKT 306 Marketing Concepts & Applications

Choice of two business electives.

Course Descriptions - Theatre Prefix: TH

105 Theatrical Movement (1)

Introduction to basic dance forms for beginners; includes exposure to beginning ballet, jazz, and modern and tap, emphasis differs each semester; no prerequisites.

106 Theatrical Movement (1)

Beginning, intermediate dance techniques, with specific focus on ballet, jazz, and modern and tap dance forms; emphasis varies each semester; Theatrical Movement 105 or permission of instructor; may be repeated for additional credit.

155, 156 Fundamentals of Acting (3) (3)

Creative approach to acting with emphasis on the development of the imagination, flexibility of body movement, and greater ease of communication. Mime; improvisation and basic scene study, stage combat and play analysis; additional lab time required.

185, 186 Theatre Production (3) (3)

Introduction to theatre production with emphasis on basic construction of sets and properties.

205 Theatrical Movement (1)

Intermediate dance techniques and composition with specific focus on modern: jazz, and dramatic dance forms for the stage. Prerequisite: permission of the instructor; may be repeated for additional credit.

206 Theatrical Movement (1)

Advanced dance techniques, improvisation and composition for the stage; focuses on modern, ballet, jazz, and dramatic dance performance techniques. Prerequisite: permission of the instructor, may be repeated for additional credit.

213 Oral Interpretation (3)

Basic introduction to the theory and technique necessary for the presentation of prose, poetry, and dramatic literature for an audience.

255 Intermediate Acting (3)

Role /play analysis focusing on techniques for in-depth analysis of plays/characters using scenes from contemporary American Theatre. Prerequisite: TH155, 156 and permission of instructor.

256 Intermediate Acting (3)

Advanced scene study in laboratory conditions. Prerequisite: TH 155, 156, 255 and permission of instructor.

288 History and Philosophy of Dance (3)

Progression and influence of dance upon civilization, the arts, and social communication; from ancient to modern.

290 History and Design of Stage Costumes (3)

Introduction to the development and history of costume through the ages and basic techniques of costume design and pattern drafting. Additional lab time required; no prerequisites.

291 Stage Make-Up (3)

Basic preparation for make-up design and philosophy, character analysis and actual application of make-up for the stage. Additional lab time required; no prerequisites.

300 Special Topics (3)

Content to be determined to fill specific needs or interests.

- 307 Performing Lab (3)**
Provides the student through Puppet Theatre, or Orchesis Dance Company with the opportunity to perform and travel in a student touring company. Prerequisite: permission of the instructor may be repeated for additional credit.
- 323 Play Directing (3)**
Investigation of the basic theories and traditional techniques of play direction. Prerequisites: TH 155, 156, 255 or permission of the instructor, additional lab time required.
- 324 Advanced Play Directing (3)**
Continued study of directing techniques with specific focus on the student directed production. Prerequisite: permission of instructor: additional lab time required.
- 355 Acting Styles (3)**
Advanced study of acting focusing on performance, reflecting historical periods or social cultures. Prerequisites: TH 155, 156, 255 or permission of instructor; additional lab time required.
- 356 Advanced Acting (3)**
Intensive focus on the physical, vocal and emotional preparation necessary for the performance of scenes from Shakespearean plays. Prerequisite: TH 155, 156, 255, 256 and permission of instructor.
- 390 Stage Costume Design and Construction (3)**
Techniques of sewing and costume design and rendering: pattern drafting and construction. Additional lab time. Prerequisite: Permission of Instructor.
- 391 Stage Lighting (3)**
Basic theory and practical application of lighting for the stage. Additional lab time required.
- 392 Scene Design (3)**
Basic theory and practical design techniques and types of material used in theatre set design and construction. Additional lab time required.
- 393 Sound Design (2)**
Theory, use and operation of sound equipment for theatre productions and studio recording applications. Additional lab time required.
- 399 Facilities Management (3)**
In-depth study of the theoretical and ethical issues confronting managers. Topics include funding, budgets, contracts, management application and marketing. Prerequisites: Junior status and department approval.
- 407 Shakespeare (3)**
Shakespearean plays showing the author's artistic development. Same as ENG 407.
- 439, 440 Theatre History, I, II (3) (3)**
Theatrical event and its attendant literature from ritual beginnings to the closing of the theatres in England; from the Restoration to the end of the 19th century. Same as ENG 439, 440.
- 451 Contemporary Theatre (3)**
Continuation of Theatre History from the end of the 19th century through the latest developments of modern theatre productions, concepts and designs. Prerequisite: TH 440. Same as ENG 441.
- 455 Advanced Acting - Acting For The Camera (3)**
On-camera workshop focusing on specific acting techniques relevant to Film, TV and commercials. Prerequisite: Permission of instructor.
- 487 Seminar (3)**
Extensive exploration of a particular topic relevant to theatre.
- 459 Independent Study (3)**
Opportunity in research in areas of interest to student. Dean and Department approval required.
- 492 Workshop (1-3)**
Special interest area developed from student and community requests.

499 Internship (3)

On-site experience in a professional theatre or with an approved organization. Prerequisites: Senior status and department approval.

MUSIC MINOR

The Music Department offers a minor in Music. A minimum of 22 Credits is required including MUS 109, 110, and choice of two of the four Music History courses; two semesters of University Chorale, six credits in Applied Music, plus two elective credits. The Department offers courses for distribution and those courses required for education majors for certification.

All prospective minors must audition or submit a tape recording illustrating skill and/or potential on their primary instrument. This should be scheduled at the time of application.

Program of study for the minor

- MUS 109, 110 Theory II
- MUS 123 Applied Music
- MUS 327 History (Baroque & Classic)
- MUS 328 History (Romantic)
- MUS 329 History (20th Century)
- MUS 180/ 380 University Chorale
- MUS 326 Electronic Music

Course Descriptions - Music Prefix: MUS

108A Rudiments of Music (3)

Review of fundamental concepts including notation, rhythm, pitch and intervals; basic preparation for students wishing to develop music reading skill, may not be applied toward major.

108B Listening to Music (3)

Emphasis on the development of techniques for listening analytically and critically; representative examples drawn from various musical periods.

109 Theory I (3)

Correlated study of the rhythmic, and harmonic elements of music; includes ear training and keyboard work.

110 Theory II (3)

Continued study of the elements of music; presentation of harmonic practice on a historical basis; continued work in ear-training and keyboard.

123 Applied Music (1 or 2)

Private lessons for non-majors; one-half hour private lesson, 1 credit; one hour private lesson, 2 credits; may be repeated for additional credit.

130 Keyboard Harmony, Jazz, Pop, Commercial (1)

Lessons given in a class situation; development of basic keyboard skills.

135, 136 Applied Music (1 or 2)

First and second enrollments on a particular instrument; for music minors only.

180/380 University Chorale (1)

First four semesters of enrollment, 180; fifth and subsequent enrollment, 380.

186/386 Ensemble (1)

Selected ensembles; student may enroll concurrently in two different ensembles.

287/288 Applied Music (1 or 2)

Third and fourth enrollments on a particular instrument; for music minors only.

300 Special Topics (1-3)

Course content designed to fill specific needs or interests.

326 Electronic Music (3)

Discussion of the beginnings and evolution of electronic and computer music and its implications in 20th century music.

327 History (Baroque and Classical) (3)

Development of styles, including extra-musical influences.

328 History (Romantic) (3)

Development of styles, including extra-musical influences.

329 History (20th Century) (1-3)

Development of styles, including extra-musical influences.

335, 338 Applied Music (1 or 2)

Fifth and sixth semesters of study on a particular instrument; for music minors only.

359 Independent Study

376 Teaching Music in the Elementary Schools (1-3)

Organized in modules, open only to Junior and Senior elementary education majors. This course approaches the actual music classroom situation from the standpoint of the non-music specialist and is meant to prepare general elementary teachers for classroom music teaching.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Reverend Pedro A. Suarez, S.J., Ph.D., Chair

Faculty: Borum, Carpenter, Haralambides, Iriarte, Jagadish, Ligas, Luna, Moazzami, Segami, Stein, Vazquez, Villemure.

COMPUTER SCIENCE

The Department of Mathematics and Computer Science offers a program of study leading to the degree of Bachelor of Science in Computer Science. The program is designed to provide Computer Science majors with a solid technical foundation in the field, and to allow them to select among diverse areas of specialization. Academic excellence is achieved through a close working relationship between faculty and students, in an atmosphere of intense work in the form of lectures, discussion sessions, and laboratory practice. The program provides a balance between theory and applications, between problem solving techniques and systems implementations. Thus, its graduates not only can compete successfully in the job market, but they are also ready to continue with advanced studies in Computer Science, if they so desire. Students who major in Computer Science will study such subjects as software engineering, computer networks, databases, systems programming, operating systems, UNIX, expert systems, artificial intelligence, computer graphics and numerical computing.

Computer facilities include a VAX 6310 computer running VMS, DEC workstations running ULTRIX, and a large network of IBM and McIntosh microcomputers. Each Computer Science major is provided with permanent access to this equipment throughout his/her stay at Barry.

Program of Study

The program leading to the Bachelor of Science degree in Computer Science consists of 37 credit hours in the Computer Science Core, 20 hours of a required Mathematics minor, 8 hours of Physics, 9 hours of Computer Science electives, and 10 hours of general electives. These requirements are as follows.

Computer Science Core

CS 231	Computer Science I	4
CS 232	Computer Science II	4
CS 331	Data Structures and Algorithms	3
CS 311	Assembly Language	3
CS 312	Computer Software Organization	3
CS 332	Computer Hardware Organization	3
CS 372	Software Engineering	3
CS 413	Operating Systems	3
CS 414	Computer Architecture	3
CS 426	Databases	3
CS 431	Concepts of Programming Languages	3
CS 487	Seminar (Integrative Experience,	

Two semesters) 1-1

Total 37

Mathematics Minor

MAT 211	Calculus I	4
MAT 212	Calculus II	4
MAT 253	Discrete Mathematics I	3
MAT 254	Discrete Mathematics II	3
MAT 356	Statistics for Science	3
One course from the list below		3

Total 20

Other Mathematics courses allowed in the minor: Numerical Methods, Theory of Computation, Matrices, Calculus III, Differential Equations, Statistical Computing.

Note: 3 of these credits will count towards the Liberal Arts Mathematics requirement.

Science Requirements

PHY 201	General College Physics I	4
PHY 202	General College Physics II	4
Total		8

Note: Six of these credits will count towards the Liberal Arts Science requirement.

Computer Science Electives

Nine hours of 300 or 400 level Computer Science courses, or selected Mathematics courses.

General Electives

Ten hours of other courses at Barry.

COMPUTER SCIENCE AND COMPUTER APPLICATIONS MINORS

The minor in Computer Science consists of at least 20 credits which must include CS 231, CS 232, and CS 331. The rest may be any CS course at the 300 or 400 level.

The minor in Computer Applications consists of at least 20 credits in courses with prefix CS or CAP, which must include CS 231.

Course Descriptions – Computer Science Prefix: CS

231 Computer Science I (4)

Three hours of lecture and two hours of problem discussion per week. Evolution of hardware and software. Problem analysis and algorithm development. Data types, control structures, subprograms, scope and recursion. Programming language to be used: PASCAL. Prerequisite: MAT 110 or departmental approval.

232 Computer Science II (4)

Three hours of lecture and two hours of problem discussion per week. Programming methodology. Array, record and access types. Data abstraction. Search techniques. Algorithm complexity. Programming language to be used: ADA. Prerequisite: CS 231 and MAT 251.

311 Assembly Language (3)

Basic machine organization. Number systems. Data representation. Addressing schemes. Arithmetic and logic instructions. Loops. Subroutines. Pseudo operations. Macros. Input/output. Prerequisite: CS 232

312 Computer Software Organization (3)

Introduction to C programming. The design of assemblers, loaders, linkers and macro processors. A large project is implemented in C consisting of an assembler and a loader or macro processor. Prerequisite: CS 311.

323 Introduction to File Processing (3) (formerly CS 401)

Introduction to structuring data on bulk storage devices (e.g. floppy or hard disks). Introduction to concepts of data base. Prerequisite: CS 331

331 Data Structures and Algorithms (3)

Algorithm analysis. Abstract data types. Techniques for the implementation of abstract data types, such as arrays, stacks, queues, trees, heaps and graphs. Sorting. Programming language to be used: ADA. Prerequisite: CS 232 and MAT 252.

332 Computer Hardware Organization (3)

Boolean algebras and switching functions. Gates. Memory devices. Combinational systems, simplification and decomposition. Sequential systems. Analysis and synthesis. Design of digital systems. Prerequisite: PHY 202.

372 Software Engineering (3)

Basic tools and techniques for specifying, designing, implementing, verifying and validating large software projects. Prerequisite: CS 331.

413 Operating Systems (3)

Organization and functions of operating systems. Design principles. Resource management. Process management. File systems. Some case studies. A large project is implemented in C, consisting of the essential parts of an operating system. Prerequisite: CS 312.

414 Computer Architecture (3)

Machine instructions. Central processors. Microprogramming. Memory. Virtual memory. Microprocessors. A large project is implemented. Prerequisite: CS 311 and CS 332.

422 Theory of Programming Languages (3)

A formal approach to state-of-the-art techniques in software design and development, including programming language translation and compiler design concepts. Prerequisite: CS 431.

426 Databases (3)

Physical data organization. The network, hierarchical and relational models. Query languages. Design of relational databases. Query optimization. Integrity and security. Distributed databases. Prerequisite: CS 331.

431 Concepts of Programming Languages (3)

Survey of programming languages and language features. The syntax of programming languages and an introduction to compilers. Functional, object-oriented and logic programming. Languages to be discussed include PASCAL, ADA, C, FORTRAN, LISP, PROLOG, SMALLTALK and C++ . Prerequisite: CS 331.

437 Computer Graphics (3)

Introduction to graphical data processing. Display parameters. Information retrieval versus data retrieval. Image recording parameters. Transmission of digitized information. Pattern description and recognition. Use of picture models and datastructures. Display software. Prerequisite: CS 331.

440 Data Communications (3)

Techniques and applications in data communications. Types of data communications versus discipline methodology. Hardware requirements and constraints. Speed versus quality. Security and encoding algorithms. Prerequisite: CS 331.

453 Artificial Intelligence (3)

Programming languages for Artificial Intelligence. Cognitive Science. Robotics. Natural language understanding. Pattern recognition. Planning. Problem solving. Automated learning. Expert systems and knowledge engineering. Prerequisite: CS 331.

454 Robotics (3)

Course focuses on the design and control of stationary and mobile robots. The parts of robots will be studied in the context of robot morphology. The nature of the drive mechanisms (electrical, mechanical, pneumatic and hydraulic) are described, as well as sensors, motors, effectors and the various peripheral modules. Simple feedback mechanisms will be covered. Prerequisite: CS 331.

456 Introduction to Expert Systems (3)

Applications oriented facet of Artificial Intelligence. Course will introduce applications of expert systems in various fields (e.g. business, education, medicine). Prerequisite: CS 331.

459 Independent Study (1-3)

Opportunity to work in areas of special interest to the student. Prerequisite: Advisor and Department Chair approval required.

461 The UNIX Programming Environment (3)

Evolution of the Unix operating system. Commands and utilities. System services. The kernel. The shell and shell programming. File system. Processes and interprocess communication. Networking. Unix tools. A substantial project is implemented. Prerequisite: CS-232 or consent of instructor.

471 Computer Networks (3)

Traditional packet switching as well as satellite networks and local area networks. Distributed processing. Network architectures and protocols will be analyzed in the local area network environment. Prerequisite: CS 440

477 Computer Security (3)

Topics include security for data communication (encryption), database, microcomputers. Other topics covered are computer center security, disaster planning, personnel screening, threat evaluation. Prerequisite: CS 440.

487 Seminar (1-3)

The class meets one hour a week. Students take turns to present topics of current interest in computer science. The material to be discussed will be taken from journals, proceedings or specialized books, but not from regular textbooks. This course serves as an integrative experience for Computer Science majors. Prerequisite: CS 331.

499 Internship (3-6)

Computer Science applications in a professional work setting under direct supervision. Requires a minimum of 120 hours for 3 credits or 240 hours for 6 credits. Prerequisites: Junior status and advisor and Department Chair approval. (Students may elect a maximum of 6 internship credits.).

Course Descriptions - Computer Applications Prefix: CAP

180 Introduction to Computers (3)

This is a course about computers, what they are, what they can do and what they cannot do. The student will be presented the principal ideas that permeate the field of Computer Science from a liberal arts approach: How concepts from everyday life can be meaningfully represented by electrical currents that are manipulated inside a machine, how such a machine is designed and built, and how languages that people may comfortably use are translated into languages that access the machine's capabilities. A hands-on approach is emphasized and students will be exposed to the use of a variety of computers and computer software. Prerequisite: None.

301A-G Introduction to Programming (1)

Courses in this series provide the student with an introduction to the syntax of a programming language. Languages available are Pascal, Ada, C, COBOL, RPG, FORTRAN and LISP. Prerequisite: CAP 180 or any CS course.

325 Desktop Publishing (3)

This course covers the production of high quality publications from desktop computers. Design of publications. Adding and manipulating text. Creation of simple graphics. Importing, pasting and cropping graphics. Use of design elements. Printing. Different types of hardware and software will be discussed and used. Prerequisite: CAP 180 or Departmental approval.

331 Applied Computer Graphics (3)

This course covers techniques for the development of graphics using computer software. Scripting and animation. Students will produce a variety of graphs and charts on a variety of media. Prerequisite: CAP 180 or any CS course.

MATHEMATICAL SCIENCES

A major in the mathematical sciences is intended for students who wish to build a strong foundation for careers in mathematics teaching, in computer-related areas, in engineering, in actuarial sciences, or who wish to pursue further study in the mathematical sciences at the graduate level for college teaching, research, government and/or industry.

Barry offers a variety of courses and educational experiences within the mathematical sciences. The courses cover the main areas of Algebra, Analysis, Probability, Statistics and Topology at the undergraduate level, as well as Physics and Computer Science. Placement in mathematics courses is determined by diagnostic testing, required at the time of first enrollment from all new undergraduate students (Freshmen, transfer, non-degree).

Mathematical Sciences Major

The mathematics courses towards a major in Mathematical Sciences are divided into two categories: *core courses* and *electives*. The Mathematical Sciences major requires a grade of C or better in all courses towards the major, with at least 18 credits in mathematics at the 300 level or above. Core courses are required of all students majoring in Mathematical Sciences. At least two electives must be chosen from a list of offerings by the Department. Each student is assigned a faculty advisor, who will help him/her in his/her academic plans. Students are encouraged to take courses in other areas such as Accounting, Biology, Business, Chemistry, Computer Science, Economics, Education, Management and Physics, in order to enhance their scientific background and understand the relevance of mathematics in other fields.

Students in Mathematical Sciences are strongly urged to develop proficiency in computer languages and in using computers, as they have become an important part of modern technology, both in education and in industry. An integrative experience is required at the end of the program.

Academic Requirements for the major

Core Courses		Credits
MAT 211	Calculus I	4
MAT 212	Calculus II	4
MAT 213	Calculus III	4
MAT 253	Discrete Mathematics I	3
MAT 314	Differential Equations	3
MAT 331	Algebraic Structures	3
MAT 332	Linear Algebra	3
MAT 356	Statistics for Science	3
Total		27

In addition, each major must take two Physics courses: either PHY-201 and 202, or PHY-211 and 212, with 4 credits each, and the following Computer Science courses:

CS 231	Computer Science I	4
CS 232	Computer Science II	4

Elective Courses

MAT 254	Discrete Mathematics II	3
MAT 300	Special Topics	3
MAT 310	Advanced Calculus I	3
MAT 311	Advanced Calculus II	3
MAT 321	Topics in Geometry	3
MAT 414	Methods of Mathematical Physics	
MAT 415	Introduction to Real Analysis	
MAT 416	Introduction to Complex Analysis	
MAT 441	Introduction to Topology	3
MAT 451	Probability Theory	3
MAT 452	Mathematical Statistics	3
MAT 459	Independent Study	3
MAT 462	Number Theory	3
MAT 471	History of Mathematics	3
MAT 476	Teaching Mathematics in the Middle and Secondary School	3
MAT 487	Undergraduate Seminar	1-3

Students planning to major in Mathematical Sciences with a concentration in Computer Science should add two Computer Science (CS) courses. Students who seek teacher certification for secondary schools

must take MAT-321 and MAT-476, and may delete MAT-314 and CS-232. They are also encouraged to follow the guidelines of the Florida State Department of Education for teacher certification.

Students who are registered in the dual degree (pre-Engineering) program must consult this catalog under "Engineering". Students wishing to specialize in actuarial science must take both MAT-451 and 452.

Mathematical Sciences Minor

A minor in Mathematical Sciences consists of at least 20 credits above the 210 level, and must include MAT-211, MAT-212, either MAT-213 or MAT-254, and at least one 300-level course.

Pre-Engineering

A student can be a Mathematical Sciences major and also participate in a dual degree program, whereby a Barry University Bachelor's degree in Mathematics is obtained, and a University of Miami Bachelor's degree in Engineering is received at the end of the program. For more information, please consult the section under "Engineering" in this catalog.

Departmental Requirements

During the senior year the student must satisfactorily complete an integrative experience, which may be the Undergraduate Seminar MAT-487 or a Departmental Area Test, as a prerequisite for graduation. Students specializing in Actuarial Science may use the actuarial examination as their integrative experience. The goal of the integrative experience is to demonstrate: a) good skills in problem-solving, b) adequate use of mathematical reasoning in proving mathematical results, and c) a comprehensive and synthetic view of the mathematical sciences, with appropriate use of concepts and theorems learned during the course of study.

One semester of internship will be expected of each graduate. The student will devote 30 hours of supervised mathematics tutoring in the Learning Center or some equivalent task. This internship experience is included in the program in order to provide the student with hands-on experience of the teaching-learning process, develop the student's own potential as a communicator of knowledge, and serve the community, in the spirit of Barry's mission statement.

The following courses fulfill in part the Gordon Rule relative to courses at or above the level of college algebra: MAT-101, MAT-108, MAT-109, MAT-110, MAT-111, MAT-152, and any course numbered 200 or above.

Course Descriptions - Mathematics Prefix: MAT

090 Pre-Entry Math (3)

This course prepares students to take MAT 100A. A variety of individualized learning strategies used, including programmed materials, computer-aided instruction, and one-on-one tutoring. The course does not fulfill distribution or degree requirements. CR/PR/NC option only. Placement in this course is by appropriate score on the placement test. Three graded attempts maximum.

100A Preparatory Mathematics I (3)

Introduction to algebra; polynomials, factoring, solving linear and quadratic equations. Emphasis on problem solving skills. The course prepares students for MAT 100B and does not fulfill distribution or degree requirements. CR/PR/NC options available. Placement in this course is by appropriate score on the placement test. Three graded attempts maximum

100B Preparatory Mathematics II (3)

Continuation of MAT 100A. Graphs, systems of linear equations, inequalities, fractional and radical expressions, fractional, radical and quadratic equations; emphasis on problem solving skills. This course does not fulfill distribution or degree requirements. CR/PR/NC options available. Prerequisite: MAT 100A or equivalent score on placement test. Three graded attempts maximum.

100C Preparatory Mathematics III (3)

Basic properties of real and complex numbers, equations and inequalities, coordinates and graphs, equations and graphs of lines. The course prepares science majors to take Precalculus courses, but does not fulfill distribution or degree requirements. CR/PR/NC options available. Prerequisite: MAT 100B or equivalent score on placement test. Three graded attempts maximum.

(In case of doubt about the placement of a student, the Mathematics Chair should be consulted.)

101 General Education Mathematics (3)

Nature and application of mathematics for Liberal Arts students. Topics selected from algebra, geometry, logic, numeration systems, probability, and statistics, as required by the State of Florida CLAST examination. Prerequisite: MAT 100B or satisfactory score on placement test.

108 Precalculus Mathematics for Business (3)

Equations and inequalities; systems of equations and inequalities; exponential and logarithmic functions and their graphs; vectors, matrices, applications to linear programming. Prerequisite: MAT 100B or satisfactory score on the placement test.

109 Precalculus Mathematics I (3)

Functions and their graphs; polynomial, algebraic, exponential and logarithmic functions, roots of algebraic equations. Prerequisites: High school Algebra I and II, geometry, and MAT 100C or satisfactory score on placement test.

110 Precalculus Mathematics II (3)

Trigonometric functions of angles and of real numbers, trigonometric identities and equations, extension of coordinate geometry. Prerequisites: MAT 109 or departmental approval.

152 Elementary Probability and Statistics (3)

Description of sample data; probability; sampling; special distributions; estimation; testing hypotheses; applications. Not open to science or mathematics majors or minors. Prerequisite: MAT 100B or satisfactory score on placement test.

201 Fundamentals of Mathematics I (3)

Logic, sets, and integers; fundamentals of integer arithmetic, integer algorithms, extensions of integer systems; equations and inequalities; metric system. Emphasis on problem solving. Prerequisite: MAT 100B or satisfactory score on placement test.

202 Fundamentals of Mathematics II (3)

Informal plane and space geometry, measurements; metric system; coordinate geometry; introduction to probability and statistics; introduction to computers. Emphasis on problem solving. Prerequisite: MAT 201 or departmental approval.

211 Calculus I (4)

Limits of functions and approximation; differentiation and integration of elementary functions; maxima and minima applications. Prerequisites: MAT 110 or 111 or departmental approval.

212 Calculus II (4)

Advanced techniques of differentiation and integration; polar coordinates, sequences and series. Prerequisite: MAT 211 or departmental approval.

- 213 Calculus III (4)**
Multivariable calculus; functions of several variables; partial derivatives; multiple integration; theorems of Green, Gauss and Stokes; introduction to linear differential equations. Prerequisite: MAT 212 or departmental approval.
- 253 Discrete Mathematics I (3)**
Sets, counting, methods of proof. Logic. Relations, types of relations, functions, types of functions. Recursive functions. Two hours of lecture and two hours of problem laboratory per week. Prerequisite: MAT-110 or departmental approval.
- 254 Discrete Mathematics II (3)**
Systems of linear equations, matrices, matrix operations. Graphs, lattices. Boolean algebra. Regular expressions, finite state automata, Turing machines. Decidability. Formal languages and grammar. Computational complexity. Two hours of lecture and two hours of problem laboratory per week. Prerequisite: MAT-253 or departmental approval.
- 300 Special Topics (3)**
Contents to be determined each semester by the Department to meet needs of the program and/or of the students. Prerequisite: Departmental approval.
- 310 Advanced Calculus I (3)**
Functions, sequences, limits. Continuity, uniform continuity. Differentiation. Series, Uniform convergence. Prerequisite: MAT 213 or departmental approval.
- 311 Advanced Calculus II (3)**
Continuation of MAT 310. Reimann-Stieltjes integral; functions of several variables, partial differentiation; multiple integrals. Prerequisites: MAT 310 or departmental approval.
- 314 Differential Equations (3)**
Linear differential equations; systems of differential equations; solutions by series and by numerical methods; applications. Prerequisite: MAT 212 or departmental approval.
- 321 Topics in Geometry (3)**
Topics selected from Euclidean and non-Euclidean geometry, including: geometric proofs from an axiomatic viewpoint; incidence and separation properties of the plane and the space; extension of congruence, area and similarity; advanced topics. Prerequisite: MAT 213 or departmental approval.
- 331 Algebraic Structures (3)**
Groups, Lagrange's theorem; fundamental theorem of homomorphisms. Rings, integral domains, field of quotients, polynomial rings, unique factorization domains. Fields and finite field extensions. Prerequisite: MAT 213 or departmental approval.
- 332 Linear Algebra (3)**
Systems of linear equations; matrices; vector spaces; linear transformations; determinant; quadratic forms; eigenvalues and eigenvectors. Prerequisite: MAT 211 or departmental approval.
- 356 Statistics for Science (3)**
Analysis of data, histograms, measures of central tendency and of dispersion. Probability, normal curve. Statistical tests; hypothesis testing. This course is designed for science majors (Biology, Physics, Chemistry, Computer Science, Mathematical Sciences). Prerequisites: MAT 211 or departmental approval.
- 414 Methods of Mathematical Physics (3)**
Fourier analysis, special functions, calculus of variations. Selected partial differential equations. Integral equations. Prerequisites: MAT 213 and MAT 314 or departmental approval.
- 415 Introduction to Real Analysis (3)**
The real numbers, real functions. Measure theory. The Lebesgue integral. Prerequisites: MAT 311 or departmental approval.
- 416 Introduction to Complex Analysis (3)**
Analytic functions, Cauchy-Riemann conditions. Complex integration, Cauchy's theorem and integral formula; powerseries, Laurent series. Calculus of residues and applications. Prerequisites: MAT 213 or departmental approval.
- 441 Introduction to Topology (3)**
Axiom of choice, topological spaces, metric spaces. Compactness, connectedness. Separation properties, quotient spaces. Compactification. Prerequisite: MAT 311 or departmental approval.

451 Probability Theory (3)

Probability spaces, distribution functions, central limit theorem, conditional probability. Prerequisites: MAT 213 and MAT 356 or departmental approval.

452 Mathematical Statistics (3)

Sampling theory, statistical inference, hypothesis testing. Prerequisite: MAT 451 or departmental approval.

462 Number Theory (3)

The integers, congruences, multiplicative functions, primitive roots, quadratic residues, reciprocity, diophantine equations, applications to cryptology. Prerequisites: MAT 212 or departmental approval.

471 History of Mathematics (3)

People and ideas that have shaped the mathematical sciences throughout history. Contemporary problems and leading contributions. Emphasis on activities for secondary school mathematics classroom, which incorporate the historical viewpoint. Prerequisite: MAT 211 or departmental approval.

476 Teaching Mathematics in the Middle and Secondary School (3)

Methods of mathematics teaching for the prospective middle and secondary school teacher. Prerequisite: 21 credits in mathematics, including Calculus I, and candidacy in the School of Education.

359, 459 Independent Study (3) (3)

Opportunity for extensive research in areas of special interest to the student. Prerequisite: approval of Dean, and Department Chair.

487 Undergraduate Mathematics Seminar (1-3 credits)

Topics will be chosen according to student and faculty interest. Presentations of papers on original work or advanced material to be discussed under a faculty moderator. Prerequisite: departmental approval.

DEPARTMENT OF PHYSICAL SCIENCES

Mary Ann Jungbauer, Ph.D., Chair.

Faculty: Fisher, Goehl, O'Donnell.

The Department of PHYSICAL SCIENCES includes the following:

- Chemistry Major
- Chemistry Minor
- Engineering - Dual Degree Program
- Pre-engineering
- Pre-pharmacy
- Physics

CHEMISTRY

Students electing a chemistry major should have a satisfactory background in high school chemistry and a minimum of 3 years of college preparatory mathematics. The Bachelor of Science degree with a major in chemistry prepares the student for graduate programs in chemistry, for employment in industry and government chemistry laboratories, and for chemistry teaching.

Major: The course of studies for the chemistry major may be adapted to the interests and goals of the individual student. Generally, the major includes 39 credits of chemistry and approximately 30 credits in related sciences and mathematics, including CHE 111, 111L, 112, 112L, 243, 243L, 244, 244L, 321, Physical Chemistry, and other upper level chemistry courses (not CHE 300); PHY 211, 211L, 212, 212L (preferred) or PHY 201, 201L, 202, 202L; and MAT 111, 211-212.

The department requires that each major take the Major Field Achievement Test in chemistry as the integrative experience, required for graduation. The minimum grade of C is required in all major courses.

Minor: A minor in chemistry (20 credits) includes CHE 111, 111L, 112, 112L, 243, 243L and an additional 8 credits in higher courses (not CHE 300.)

Students planning to study pharmacy can take up to two years of pre-pharmacy preparation under direction of the Physical Sciences Department. See the section below on Pre-Pharmacy.

Course Descriptions — Chemistry Prefix: CHE

105 Fundamentals of Chemistry (3)

Non-mathematical treatment of selected topics for the general student who will ordinarily take no additional courses in chemistry. (Special fee)

110 Preparation for College Chemistry (3)

Preliminary course for students who wish to complete a major or minor sequence in chemistry but do not meet requirements for admission to Chemistry 111; given on CR/NC option only; credit not applicable toward the major or minor. Prerequisite: Mathematics placement in 100B or higher.

111, 112 General Chemistry and Qualitative Analysis (3) (3)

Chemical principles and descriptive inorganic chemistry for students majoring in science and mathematics. Prerequisite: Chemistry 110 or high school chemistry and satisfactory score on chemistry placement test, and mathematics placement in 100B or higher. Corequisite: CHE 111L, 112L.

111L, 112L General Chemistry and Qualitative Analysis Laboratory (1) (1)

Three hour laboratory to be taken concurrently with CHE 111, 112. (Special fee)

142 Chemistry for Allied Health Sciences (2) (2) Concurrently

Elements of general and biological chemistry for students of physical therapy and certain other allied health programs. (Special fee)

152, 152L Introduction to Organic and Biological Chemistry (3) (1)

Organic chemistry with application to the chemistry of the cell. 3 hours lecture, 2 hours laboratory weekly. Prerequisite: high school chemistry or Chemistry 105. (Special fee)

241 Organic Chemistry Survey (4)

Structure and reactions of monofunctional compounds, with related laboratory. Offered in BEC program only.

243, 244 Organic Chemistry (3) (3)

Chemistry of carbon compounds, their structure, reactivity, and reaction mechanisms. Prerequisite: Chemistry 112, 112L. Corequisite: CHE 243L, 244L.

243L, 244L Organic Chemistry Laboratory (1) (1)

Three hour laboratory to be taken concurrently with CHE 243, 244. (Special fee)

300 Special Topics (3)

Special Topics in Chemistry for students in other fields; not part of the chemistry major or minor. No prerequisites or corequisites.

321 Quantitative Analysis (4)

Theory and practice of analysis, including volumetric, colorimetric, gravimetric and electrochemical procedures. 2 hours lecture, 6 hours laboratory. Prerequisite: Chemistry 112. (Special fee)

352 Biochemistry (4)

Molecular structures in the cell, biological oxidations, selected biosynthetic pathways, molecular genetics. See Biology 352. Prerequisite: Chemistry 243.

452 Biochemistry for High School Teachers (3)

Concepts and developments in biochemistry; the molecular basis of life processes. Prerequisite: CHE 476 or teaching chemistry.

355 Basic Physical Chemistry (3)

Selected topics in physical chemistry for students in the life sciences as well as for those who will continue in the physical chemistry sequence. Prerequisites: Chemistry 112, Physics 212 or 202, Mathematics 211.

356, 357 Physical Chemistry (3) (3)

Quantitative study of chemical principles: thermodynamics, kinetics, structure of matter. Prerequisite: Chemistry 355 or permission of Department, Physics 212 or 202, Mathematics 212 or equivalent.

366 Physical Chemistry Laboratory (2)

Laboratory problems in physical chemistry, with emphasis on equilibria and kinetics; one four-hour laboratory weekly. Prerequisite: Chemistry 355 and permission of Department. (Special fee)

447 Advanced Organic Chemistry (3)

Advanced topics in organic chemistry such as syntheses, reaction mechanisms, spectroscopy, and qualitative-organic analysis. Prerequisite: Chemistry 244. Corequisite: Chemistry 355.

460 Inorganic Chemistry (3)

Senior-level course in modern inorganic chemistry. Prerequisite: Chemistry 356 or permission of Department.

476 Teaching Chemistry in Middle and Secondary School (3)

Special methods course in teaching chemistry in middle and secondary schools. Prerequisite or corequisite: Chemistry 355 and Candidacy in the School of Education. Tutorial.

259, 359, 459 Independent Research (3) (3) (3)

Opportunity for work in areas of special interest to the student. Prerequisite: Dean and Departmental approval.

295, 395, 495 Research (1-3) (1-3) (1-3)

Investigation of an original research problem of special interest to the student; independent execution of chosen experimental work under direction of selected staff member. MARC scholars follow a special research program. Prerequisite: Department approval. (Special fee)

ENGINEERING

A dual degree program has been established between Barry University and the University of Miami whereby an undergraduate student selects a major at Barry University and an engineering major at the University of Miami. On completion of the requirements for Barry University, the student will be awarded a Bachelor of Science degree in the selected major from Barry University; upon completion of the requirements for the University of Miami, the student will be awarded a Bachelor of Engineering degree in the selected engineering area from the University of Miami.

The student in the dual degree program will attend Barry University for approximately three years, completing a minimum of 90 credit hours with a GPA of 2.5 or above. These hours will include all general education requirements, prerequisites for engineering, and most of the requirements for a related major at Barry University.

It is expected that in most cases the student in this program will complete a Barry major in either mathematics or computer science. Please see the Mathematics section of this bulletin for a recommended course sequence in mathematics or a recommended course sequence in computer science.

The engineering prerequisites for the dual degree program are those described below under Pre-engineering.

Following the Barry University component of the program, dual degree candidates attend the University of Miami for approximately two years and are eligible to enter any of the following degree programs:

Architectural Engineering
Civil Engineering
Electrical and Computer Engineering
Engineering Science
Industrial Engineering
Mechanical Engineering

PRE-ENGINEERING – Non-degree Program

Students planning to study engineering can prepare at Barry University. Completion of the pre-engineering program will allow a student to apply for transfer directly to the third-year program of an engineering school.

Required courses are PHY 211, 211L, 212, 212L; CHE 111, 111L, 112, 112L; MAT 211, 212, and 213; ENG 111-112; engineering graphics and other courses in computer science. Additional required courses will be determined by the engineering area the student plans to pursue and will include courses from the following list: MAT 314 and 152 or 352; PHY 313; CHE 243, 243L, 244, 244L; ECO 201; BIO 101, 111, or 116; and additional courses in computer science. In addition to the above requirements, pre-engineering students will also take liberal arts courses in religion, philosophy, humanities and/or social sciences. (12 hours, usually one course per semester.) Some students will need a preparatory year of study including MAT 109-110 or 111; CHE 110; and language courses before taking the required courses listed above.

Early in their Barry pre-engineering Program students will be encouraged to contact specific engineering schools for specific pre-engineering requirements. Transfer to the engineering school is competitive and the physical and mathematical sciences department will advise each student individually.

See also the dual degree program described in this catalog under Engineering.

PRE-PHARMACY – Non-degree Program

The student planning to study pharmacy can take up to two years of pre-pharmacy at Barry University. The curriculum in the School of Arts and Sciences, under the direction of the Department of Physical Sciences, is made up of courses required in the first two years by most institutions granting the bachelor degree in pharmacy. These will include CHE 111, 111L, 112, 112L, 243, 243L, 244, 244L; PHY 201, 201L, 202, 202L; MAT 111 or 211; BIO 112, 116. Admission to these courses presumes adequate high school preparation. Students less well prepared will require a preliminary course in chemistry and, possibly, in mathematics.

Barry's pre-pharmacy program prepares the student to take the Pharmacy College Admissions Test (PCAT) and to apply to a College of Pharmacy. Pre-pharmacy students are expected to inform themselves

of the specific requirements of the school to which they plan to transfer. Admission remains competitive.

PHYSICS – Non-degree Program

The study of physics helps to develop a habit of seeking and recognizing the underlying physical principles in observation of the environment. Offerings in physics are designed to meet the needs of students concentrating in science, mathematics, pre-engineering and the allied health areas; and to provide opportunities for liberal arts students to see the world around them with new understanding.

Course Descriptions – Physics Prefix: PHY

105 Physical Science (1-3)

Organized according to modules; student may elect as many as three modules during the semester; each module centers on one topic, which is developed through demonstration, lecture, and simple laboratory exercises.

141 Introductory Physics for the Allied Health Sciences (2) (2) Concurrently

Basic concepts of physics for students of physical therapy and certain other allied health programs. (Special fee)

151, 151L Introductory Physics (3) (1)

Basic concepts of physics, for students desiring a one semester course with laboratory. 3 hours lecture, 2 hours laboratory. PHY 151 and PHY 151L must be taken concurrently. (\$20 fee)

201, 201L, 202, 202L General College Physics (3) (1) (3) (1)

Mechanics, heat, wave phenomena, electricity and magnetism, optics, modern physics; for students of science and mathematics. 3 hours lecture, 3 hours laboratory. Prerequisite: MAT 111 or equivalent; recommended: MAT 211. PHY 201 and PHY 201L must be taken concurrently; also PHY 202 and PHY 202L. (\$40 fee each)

211, 211L, 212, 212L University Physics (3) (1) (3) (1)

Calculus based physics including mechanics, heat, wave phenomena, electricity and magnetism, optics, modern physics; for pre-engineering students and for students of science and mathematics desiring a calculus based physics course. 3 hours lecture. 3 hours laboratory. Prerequisite MAT 211. PHY 211 and PHY 211L must be taken concurrently; also PHY 212 and PHY 212L. (\$40 fee each)

300 Special Topics in Physics (3)

Technology and Society. Discussion of the relationship between modern technology and society; guest lectures by members of the Barry faculty are featured; no scientific background is assumed; satisfies the distribution requirement for science.

313 Statics (3)

Principles of statics, rigid body equilibrium, trusses, frames, machines, friction, moments of inertia. Prerequisites: PHY 211, MAT 211.

476 Teaching Physical Science in the Middle and Secondary Schools (3)

Special methods course in teaching physical science in the middle and secondary schools. Prerequisite: a thirty hour content area in the physical sciences and candidacy in the School of Education. Tutorial.

DEPARTMENT OF PSYCHOLOGY

Wade H. Silverman, Ph.D., Chair.

Faculty: Carifio, Jacobson, Koncsol, Peterson, Szuchman.

The psychology major requires 39 credits. The required courses include PSY 281, 320, 325, 333, 382, 413, 490, 497 and MAT 152. The student is permitted wide flexibility in the choice of the remaining five or more elective courses from the various sub-specialities of psychology.

The minimum grade of C is required in all courses. Psychology majors are required to achieve a satisfactory score on their integrative experience.

The psychology minor (24 cr.) requires PSY 281, 320, 325, 382, 413, and 9 elective credits within the discipline.

PSY 281 is a prerequisite to all other psychology courses.

Course Descriptions – Psychology Prefix: PSY

281 Introduction to Psychology (3)

Survey of general principles underlying human behavior, including study of the nervous system, perception, learning, emotion, personality and mental disorders.

282 Psychology of Adjustment (3)

Introduction to applied psychology with an emphasis on knowledge useful to daily life such as human development, stress management, and communication skills.

300 Special Topics (3)

Content to be determined by the Department as requested by faculty and/or students to fulfill specified needs or interests.

306 Psychology of Women (3)

Study of the various issues affecting the changing role of women in today's society, consideration given to psychological and social factors as they relate to contemporary feminine behavior.

318 Psychology of Learning (3)

Study of the basic principles related to human and animal learning with special emphasis on the theoretical approaches utilized to explain various learning phenomena.

320 Tests and Measurements (3)

Introduction to testing, including discussion of validity, reliability and overview of testing instruments in clinical, educational, and industrial settings. Prerequisite: MAT 152. (\$30 fee)

323 History and Systems (3)

Consideration of the major historical schools of psychological thought and their relationship to the present-day discipline of psychology.

- 325 Theories of Personality (3)**
Survey of theoretical approaches to the study of personality from Freudian theory to contemporary Humanistic theories.
- 327 Psychology of Sports (3)**
Investigation of typical areas in theoretical and applied sport psychology relevant to athletic performance and general physical activity involvement. (Same as SMA 327)
- 333 Experimental Psychology (3)**
Mastery of research methods and techniques with emphasis on experimental design; students conduct experiments, evaluate data, and write research reports. Prerequisite: MAT 152
- 343 Introduction to Perception (3)**
Survey of contemporary issues in the area of perception and the theories offered to explain perceptual phenomena.
- 370 Social Psychology (3)**
Cognitive processes, roles, communication and persuasion, aggression and interaction within small and large groups. Same as SOC 370.
- 382 Developmental Psychology (3)**
Analysis of human developments from conception through maturity, with emphasis on physiological, cognitive and affective processes at the various stages of development.
- 413 Abnormal Psychology (3)**
Theories of abnormal behavior, pathological syndromes, methods of treatment, and prevention.
- 417 Psychology of Aging (3)**
Analysis of the factors characterizing normal aging: biological and perceptual changes, social processes, work and retirement, family, sexuality, cognition and personality.
- 423 Industrial Psychology (3)**
Application of psychological principles and procedures in business and industry settings; topics included are selection, placement, employee motivation, morale, and leadership.
- 428 Human Sexuality (3)**
A survey of issues and scientific findings with regard to physiological, developmental and emotional aspects of sexuality, as well as theory and practice related to treatment of sexual dysfunction.
- 452 Child and Adolescent Psychopathology (3)**
Comprehensive study of the etiology, diagnosis, and treatment of the personality disorders common to the child and adolescent. Prerequisite: PSY 382.
- 459 Independent Study (1-3)**
Opportunity for independent research on a topic of special interest to the student. Dean and Department approval required.
- 464 Human Development Throughout the Lifespan (3)**
Physical, social, sexual and emotional development throughout the lifespan with emphasis on growth crises at major developmental stages. Particular focus on an understanding of human sexuality and psychosocial relationships, including clinical applications, theories and techniques. Prerequisite: PSY 382.
- 490 Physiological Psychology (3)**
Study of basic neuroanatomy and neurophysiology including the neurological bases of emotion, psychopathology, sleep, memory, and learning.
- 494 Substance Abuse (3)**
Study of habituating and addicting drugs including alcohol and effects on society.
- 295, 395, 495 Research (3) (3) (3)**
Investigation of an original research problem of special interest to the student; independent execution of chosen experimental work or library research; under direction of selected staff member. MARC scholars follow a special research program.
- 497 Senior Seminar (3)**
Examination of current controversies in psychology, designed as an integrative experience.
- 498 Seminar (3)**
Advanced topics explored under the supervision of department members. Prerequisite: Permission of instructor.

DEPARTMENT OF SOCIAL SCIENCES

Jesus Mendez, Ph.D., Chair.

Faculty: Butler, Callaghan, Cvejanovich, Grizzle, Lowe, Luma, Melody, Smith, Stinchcomb.

CRIMINAL JUSTICE

The criminal justice system in the United States can be divided into three basic elements: law enforcement, courts, and corrections. The Criminal Justice Program at Barry University provides the student with exposure to all three elements. A wide variety of career opportunities is available in criminal justice at all levels of government. Due to its interdisciplinary approach, the study of criminal justice fills the needs of students seeking careers in various criminal justice occupations.

Students majoring in Criminal Justice should consult with their advisor to ensure that the courses selected meet program and degree requirements.

The B.S. in Criminal Justice requires 39 credits and a minimum grade of C in all major courses. Criminal Justice majors are required to minor in one of the following disciplines: Sociology, Political Science, History, Psychology. Exceptions based on departmental approval. A minor in Criminal Justice requires 24 credits.

Course descriptions — Criminal Justice Prefix: CRJ

103 The Criminal Justice System (3)

A survey of the philosophical and historical trends that make up the criminal justice system. Also included is an evaluation of the criminal justice system including: current trends, career orientation, agencies and processes. (Same as SOC 103)

211 Corrections in America (3)

This course will present an historical review of correctional and penal institutions as well as the current state of achievement. It will also stress the needs and directions for future efforts - that which needs to be done, in contrast to that which has and is being accomplished. (Same as SOC 211) Prerequisite: CRJ 103

221 Law Enforcement (3)

Law enforcement and police operations affect the democratic process more crucially than any other aspect of public policy. This course looks at the discretionary conduct of policemen, the development of police power and the degree to which the police officers perform their tasks in accordance with community values and needs. Prerequisite: CRJ 103 (Same as SOC 221)

300 Special Topic (3-6)

Content to be determined by the department according to the faculty and specific needs, and/or interests of the students.

302 Juvenile Delinquency (3)

A theoretical and empirical study of the extent of delinquency. The student will also evaluate the problems involved in measuring delinquency and the role of the police, courts, and a critical examination of treatment and prevention programs. Prerequisite CRJ 103 (Same as SOC 302)

307 Current Issues in Criminal Justice (3)

Because the field of Criminal Justice is in a constant state of flux, today's students must consider a broad spectrum of subjects involving the entire system. This course is an up-to-date anthology of articles, commentary, reports, and statistics from the most recent literature in the criminal justice field. For CRJ majors only.

311 Criminology (3)

Criminology is the study of crime, its legal and social aspects; the composite result of the thinking and endeavors of many people. It is the purpose of the course to introduce to the student criminological theories, concepts and practices along with the sociological and psychological approach to criminal behavior. Prerequisite: CRJ 302.

325 Organized Crime (3)

A survey of the history, scope and methods of control that are utilized by organized crime in the United States. Organized crime in other cultures will be discussed especially in the areas that affect the economy of the United States.

421 Criminal Law (3)

A detailed study of criminal law, its origin, definition, and scope. The role of the enforcement officer in the application of substantive criminal law. An analysis of the rights and duties of a police officer concerning particular types of crime. Prerequisite CRJ 311.

427 Courtroom Demeanor and Technique (3)

This course is designed to acquaint and educate the police officer and lay-person alike in preparation for testifying in the open courtroom. It is based upon a survey of the general rules of evidence so that the student will be able to anticipate what will occur during trial and what he or she should do in preparation for trial. Prerequisite CRJ 421.

499 Internship (3-6)

Internship is a systematic means of combining classroom learning with practical work experience. The goal is to place students in work situations designed to compliment and enrich their intellectual, emotional, social, and career development. Work experience may be arranged through local criminal justice agencies. Approval of Advisor, Chair, and Dean required. for CRJ majors/minors only.

359/459 Independent Study (3)

Opportunity for extensive research in criminal justice in areas of special interest to the student. Dean and Department approval required.

HISTORY

Requirements for a major in history are 39 credits, with a minimum of 18 in upper biennium courses, including twelve hours of 400-level courses, but excluding 476. Required courses include HIS 101, 102, 201, 202, and 474. Students seeking secondary certification should add HIS 476.

Graduation requirements include 1) earning a minimum grade of C in all major courses and 2) passing a department exam or achieving a satisfactory score on the Graduate Record Examination in History or Law School Admissions Test. Requirements for minors are 21 credits, including HIS 101, 102, 201, 202, and nine credits in upper-biennium courses.

Course Descriptions — History Prefix: HIS

101, 102 Survey of Civilization I and II (3) (3)

Origins and formative influences in the culture of the world; incorporates non-western materials as they have influenced western thought and activity; first semester concludes with the French Revolution; second semester reviews world development from the eighteenth century to the present.

111 The Americas: A comparative Study I (3)

Comparative treatment of both North and South America, emphasizing colonial systems, independence movements, civil strife, culture, religion, forms of government, economic, social and racial issues. The approach will be both conceptual and chronological.

112 The Americas: A Comparative Study II (3)

Comparison of civil strife, revolutions, reform movements, continuing racial issues, economy and the impact of the Industrial Revolution in both areas. Some countries of the Caribbean, Central and South America will be treated as well as the United States.

201, 202 U.S. People & Ideas, I & II (3) (3)

Topical survey of American History, its people and ideas; first semester includes the period to 1877; second semester continues from 1877 to the present.

300 Special Topics (3-6)

Contents to be specified by the Department according to the interest and expertise of faculty members and the specific needs and/or interest of the students.

308 History of Asian Civilizations (3)

Overview of selected major Asian nations with emphasis on twentieth century developments.

315 History of Florida (3)

A survey history course of Florida from pre-history to the present. The relationship between South Florida and the rest of the state is emphasized during the more contemporary period.

335 Modern Russia (3)

Survey of the historical evolution of Russia with emphasis on either Czarist Russia or the USSR, including the development of revolutionary, economic, military, political and social institutions.

339 Germany Since 1871 (3)

A survey of German History emphasizing nationalism and the political, cultural, economic and social developments since 1871.

383 History of Latin American Colonial Period (to 1824) (3)

A survey of Spanish and Portuguese America from the pre-Columbian era through the end of the colonial period.

384 Latin American National Period (from 1824 to present) (3)

Overview of selected major Latin American nations with emphasis on twentieth century developments (i.e., Revolutions, Nationalism)

388 History of the Caribbean (3)

Survey of the history of the main island nations of the Caribbean; emphasis on their historical, cultural, and political dependency on colonial powers.

400 Contemporary World (3)

Selected topics in recent world history; emphasis on the interrelatedness of World Affairs in the post-World War II era.

403 American Diplomatic I to 1870 (3)

Foundation of American diplomacy; Monroe Doctrine; foreign wars and diplomacy of America's Civil War.

404 American Diplomatic II 1870 to present (3)

Significant topics in diplomatic history; including the emergence of the U.S. as a world power; the Cold War; decision making in the Department of State; and the role of interest groups in foreign policy. Same as POS 404

430 History of Europe in the 19th Century (3)

Political, economic and intellectual developments from 1814 to 1914.

431, 432 History of England I & II (3) (3)

Political, social economic and intellectual history of England from Roman to modern times. First semester includes the period to 1603 and emphasizes consolidation of the state, early constitutional development, and religious upheaval. Second semester concentrates on the modern period, including political and industrial revolutions, the British Empire reform movements, and the world wars.

436 History of Europe in the 20th Century (3)

Political, economic and intellectual developments from 1914 to 1945.

437 European Diplomatic Since 1815 (3)

Significant topics in diplomatic history; includes decision-making in selected Foreign Offices; role of selected nations in international policy.

441 American Social and Intellectual History (3)

Examination of ideas and their role in the American past; treats materials from the Civil War to the present.

451 The Rise of a World Economy (3)

Focus on the participation of major nations in the expansion of world trade from the sixteenth century up to the present and exploration of their political and ideological justification.

474 Historical Methods

An examination of history as a written subject, exploring the philosophies of history and applying methods of historical research and interpretation to specific historical problems.

476 Methods of Teaching Social Sciences, Grades 6-12 (3)

Method of teaching social studies, emphasizing the integration of history, a survey of problems confronting middle and secondary school social studies teachers, including an evaluation of courses and textbooks; instruction in the use of audio-visual materials. Prerequisite: Candidacy in the School of Education.

487 Seminar (3-6)

Intensive research under direction of professor.

499 Internship (3-6)

Opportunity to integrate scholarly activities with practical applications. Dean and Department approval required.

359, 459 Independent Study (3)

Opportunity for extensive research in an historical area of special interest to the student. Dean and Department approval required.

POLITICAL SCIENCE

The Political Science program pursues three basic objectives; to explore the nature of politics — its purposes, limitations, and significance in human life; to promote understanding of the American regime; and to develop a capacity for intelligent evaluation of public policies and a sensitive awareness of opposing points of view in the political conflicts of our time.

Requirements for a major in political science are: 39 credits including POS 100, 201, 309, 325, 312 or 396, 401 and 425.

Graduation requirements include: 1) earning a minimum grade of C in all major courses, 2) completing POS 487 as an integrative experience, and 3) successfully completing a departmental examination at the end of the program.

Requirements for minors are 21 credits, including POS 100, 201, 309, 325, 401, and 425.

Course Descriptions — Political Science Prefix: POS

100 Introduction to Political Science (3)

Broad exposure to the field including discussion of the major approaches to the study of politics and government; questions asked by political scientists; major subfields within the discipline; and discussion and analysis of contemporary events.

201 American Government (3)

National Government and its structure; administrative and political practices of the central agencies of authority in the United States.

202 State and Local Government (3)

Role of states in our federal system as well as interrelationships among them; analysis of patterns of legislative and executive process on the state level; particular attention will be devoted to these processes in Florida.

204 American Political Parties (3)

Analysis of history, structure and function of political parties; evaluation of parties and related institutions; emphasis on party decline.

300 Special Topics (3-6)

Content to be determined by the Department according to the faculty and specific needs and/or interests of the students.

305 The Executive Process (3)

Study of the complexities of the executive process; particular attention devoted to the office of the President of the U.S. with emphasis on twentieth century incumbents.

306 Legislative Process (3)

Based upon an overview of the rule making process; analysis of the organization of U.S. Congress with particular attention to the role of Congress within this political system and the centrality of committees in the law making process.

307 The Judicial Process (3)

Overview of the adjudicative process; analysis of the organization and jurisdiction of the Federal Courts; contemporary constitutional issues in their historic content.

308 Constitutional Law (3)

Use of the case method approach, focus on the development of constitutional law. Prerequisite: POS 307

309 Comparative Government and Politics (3)

Analysis of politics and government of western European democracies with some attention devoted to ancient regimes, Marxist systems, and less developed countries.

312 African Politics (3)

Survey of the politics of post-independent Sub-Sahara nations; emphasis on social, political and economic characteristics.

314 Urban and Minority Politics (3)

Institutional analysis of the urban political arena; evolution of American cities; politics of race and ethnicity.

317 American Public Policy (3)

Survey of the policy making process; emphasis on the formation and implementation of policy; use of case study approach.

325 International Relations (3)

Analysis of relations among subnational, national, and supranational actors in the international system; foreign policy formation; quest for peace and security in a shrinking world.

395 International Organizations (3)

Study of the structure and functions of international organizations as well as their importance in the international arena; special attention will be devoted to the role of the United Nations and the European economic community.

396 Latin American Politics (3)

Detailed analysis of government and politics in select Latin American countries. Special attention will be devoted to authoritarian as well as revolutionary regimes.

401 Public Administration (3)

Critical evaluation of major theories; development of the field; current issues; emphasis on administrative organization and management.

404 American Diplomatic II 1870 to Present (3)

Significant topics in diplomatic history including the emergence of the U.S. as a world power; the Cold War; decision-making in the Department of State and the role of interest groups in foreign policy. Same as HIS-404.

406 Political Economy of Development

Analysis of the process of political and economic development. Topics include modernization, industrialization, the new international economic order, the role of the state and military and ethical issues of development. Department approval. Same as ECO 406.

408 Inter-American Relations (3)

International relations between the U.S. and Latin America and the foreign policies of Latin American states.

409 Research Methodology (3)

Introduction to sociological research methods. Contemporary data collection and analysis techniques will be introduced. The assumptions, limitations, and implications of these techniques will be discussed. Same as SOC 409.

412 Conflict Resolution (3)

A study of contemporary approaches to structuring world peace; focus on nuclear deterrence, arms control, diplomacy, and negotiations.

425 Political Theory (3)

Inquiry into the nature of man and corresponding views of the res publica based upon classical and modern texts. Prerequisite: PHI 355/Department approval.

476 Methods of Teaching Social Sciences, Grades 6-12 (3)

Methods of teaching social studies, emphasizing the integration of social science, a survey of problems confronting middle and secondary school social studies teachers, including an evaluation of courses and textbooks; instruction in the use of audio-visual materials. Prerequisite: Candidacy in the School of Education.

487 Seminar (3)

Guided individual reading and study; seminar discussions on selected topics and/or authors. Departmental approval required.

499 Internship (3-6)

Opportunity to integrate scholarly activities and the art of politics. Open to majors and minors who receive departmental approval. Requires a minimum of 120 or 240 hours. In order to receive 6 credits for POS 499, students must select the 40 s.h. major, together with independent study.

359,459 Independent Study (3-6)

Opportunity for extensive research in an area of special interest to the student. Dean and Department approval required.

SOCIOLOGY

The Sociology program is designed to provide an understanding of the interactive dynamics of social institutions, organizations, and everyday life. The curriculum acquaints students with a range of theoretical and practical approaches to the study of contemporary social problems and issues. The program is designed as an integral component of a liberal arts education, as well as preparation for graduate study in sociology and related fields. The major also prepares students for several types of occupations.

A major in sociology requires a minimum of 39 credit hours (13 courses). The student is required to complete:

SOC 201 - Introduction to Sociology

SOC 370 - Social Psychology

SOC 409 - Research Methodology

SOC 423 - Sociological Theory

Twenty-seven hours of elective sociology courses.

Additional requirements include:

1. MAT 152
2. a minimum grade of C (2.0) in all major area courses, and MAT 152
3. completion of one of the following integrative experiences during the Fall or Spring semesters of the senior year:
 - a) a senior research project as partial requirement while the student is registered for SOC 409 or SOC 459; or
 - b) an internship experience in a relevant practical setting (SOC 499).

A minor in Sociology requires 21 credit hours, including SOC 201, 370, 409 and 423.

Course Descriptions — Sociology Prefix: SOC

103 The Criminal Justice System (3)

A survey of the philosophical and historical trends that make up the criminal justice system. Also included is an evaluation of the criminal justice system including: current trends, career orientation, agencies and processes. Same as CRJ 103.

201 Introduction to Sociology (3)

An introduction to the major theoretical perspectives in sociology. Emphasis on the application of these perspectives to contemporary social issues, including: deviance, marriage and the family, organizations, religion and social change.

246 Marriage and the Family (3)

A survey of historical and sociological perspectives regarding the family as an important social institution. Emphasis on contemporary family issues, including: intimacy and sexuality, family violence, parenting, divorce and remarriage.

263 Sociology of Deviant Behavior (3)

A survey of sociological perspectives on the nature of deviance. The theoretical perspectives introduced will be applied to specific issues, including: drug abuse, mental illness and sexual deviance.

300 Special Topics (3)

Content to be determined by the Department to fill specified needs or interests.

302 Juvenile Delinquency (3)

A theoretical and empirical study of the extent of delinquency. The student will also evaluate the problems involved in measuring delinquency and the role of the police, courts, and a critical examination of treatment and prevention programs. Same as CRJ 302. Prerequisite: CRJ/SOC 103.

324 Urban Sociology (3) A survey of sociological perspectives on the city and its problems. Sociological perspectives will be applied to such problems as: crime, healthcare, poverty, and racism.

330 Sociology of Sport (3)

To examine, through a sociological perspective, the positive and negative consequences of the way sport is organized in society. Prerequisite: SOC 201 (Also SMA 330)

342 Sociology of Health Care (3)

This course is essentially an investigation of the economic and sociological rationalities that presently inform health care policy and illness behavior in the United States.

349 Sociology of Religion (3)

Analytical approach to the problem of reciprocal incidence and dependence between "religious" phenomena and the socio-cultural world; deals principally with classical sociologist, Marx, Freud, Durkheim, Malinowski, Weber and their views on the function of religion and the process of secularization. Same as THE 465.

359 Independent Study (3)

Designed to allow extensive research in sociology in areas of special interest to the student. Dean and Departmental approval required.

370 Social Psychology (3)

Analysis of psychological and sociological approaches to social psychology. Topics discussed include aggression, attitudes, conformity, deviance, and gender roles.

372 Social Stratification (3)

Theories of social class; wealth, power and prestige as class correlates; social mobility; and consequences of social placement.

407 Race and Ethnicity (3)

Study of sociological perspectives in minority-majority relations; assimilation ideologies; dynamics of prejudice and discrimination; biological, historical and sociological data on race; survey of American minorities.

409 Research Methodology (3)

Introduction to sociological research methods. Contemporary data collection and analysis techniques will be introduced. The assumptions, limitations, and implications of these techniques will be discussed. Same as POS 409.

423 Sociological Theory (3)

A critical review of the classical theorists who developed the foundations of modern sociological theory. Specific theorists and theories to be considered: Durkheim, Spencer, Marx, Weber, structure-functionalism, conflict theory, and symbolic interaction.

459 Independent Study (3)

Designed to allow the student an opportunity to complete the senior project under the supervision of a faculty member. Dean and Department approval required.

487 Seminar (3)

Intensive exploration of a particular topic relevant to sociology

499 Internship (3-6)

Internship experience under qualified supervision. Requires a minimum of 120 hours.

SOCIAL SCIENCE MINOR

An academic minor in Social Science for a History, Political Science or Sociology major, fulfills State of Florida requirements for certification in Social Studies (30 credits plus Teaching Methods course). In the process of completing the Social Science minor, and the major, the student will complete the following requirements:

- 6 hours - U.S. History
- 3 hours - Western Civilization
- 3 hours - Asian or Latin American History
- 6 hours - Economics
- 6 hours - Political Science (including POS 201)
- 3 hours - Geography
- 3 hours - Sociology or Psychology.

NON-DEGREE PROGRAMS

ANTHROPOLOGY

Course descriptions – Anthropology Prefix: ANT

243 Cultural Anthropology (3)

Comparative cultural behavior explored through theoretical constructs and ethnographic data; social organization, linguistics, psychological anthropology, and technology.

300 Special Topics (3-6)

Content to be determined by the Department according to the faculty and specific needs, and/or interest of the students

GEOGRAPHY

Course Descriptions — Geography Prefix: GEO

300 Special Topics (3-6)

Content to be determined by the Department according to the faculty and specific needs, and/or interest of the students.

303 Geography of Europe (3)

Europe with an emphasis on man, his culture, economy, history, and political entities on a regional basis; man's adaptation and development in relation to his physical environment, and the influence of environment upon man and his activities.

305 Latin American Geography (3)

Latin America with an emphasis on man, his culture, economy, history and political entities on a regional basis; focus on man's adaptation and development in relation to his physical environment and the influence of environment upon man and his activities.

307 Physical Geography (3)

Holistic approach to man in nature; climatic, physical, biochemical, economic, and political influences upon the ecological structure of the Earth; Earth resources and conservation.

308 United States Geography (3)

Survey of physical, cultural, and economic relationships in the contemporary setting of the United States.

DEPARTMENT OF THEOLOGY AND PHILOSOPHY

John F. O'Grady, S.T.D., S.S.D., Chair;
Associate Dean of Graduate Studies.

Faculty: Cassini, Cunningham, Del Colle, John, Madden, Owens, Pierce, Sause, Sunshine, Trau, Unterman, Uritus, van der Poel, Viscaino.

PHILOSOPHY

Philosophy searches for wisdom and knowledge and is especially concerned with ultimate questions of existence and meaning. Philosophy explores the most basic yet wide ranging issues of human life and experience: truth, beauty, goodness, reality, freedom, mind, thought, knowledge, justice, language, faith, and so forth. The study of philosophy involves the rational examination of various positions on such issues. The study of the works of important philosophers and philosophical methods provides a basis for integration with other academic subjects. The goal is a consistent, coherent, and all-inclusive view of the world and human beings.

The philosophy faculty, representing a variety of philosophical interests, endeavors to develop students' analytical and reflective skills, and the capacity for independent thinking.

The program attempts to accomplish this mission by the following goals:

1. provide a broad historical background in philosophy,
2. assist students in the development of the philosophical method of analysis,
3. introduce important trends in contemporary philosophical thought, and
4. integrate philosophical knowledge with human experience.

Requirements For the Major

The major consists of a minimum of 39 credits. Required courses: 150, 212, 292, 304, 314, 316, 317, 318, 319, 487, and 9 elective credits.

A written departmental exam upon the courses taken by the student completes the requirements.

A minor consists of a minimum of 21 credits. Required courses: 212, a 300-level course in the history of philosophy, a 300-level problems course and 12 elective credits.

Course Descriptions — Philosophy Prefix: PHI

120 Critical Thinking (3)

Enhancement and development of reasoning skills and argument analysis. Topics include the concepts of truth, verification, and knowledge; the subjective/objective distinction; the deductive/inductive reasoning; formal and informal arguments; awareness of common errors in informal reasoning.

122 Thought of Spain and the Americas I (3)

Major trends in Hispanic and American thought from its origins through the 19th century in historical and cultural context; development of ideas and their influence on the hemisphere.

123 Thought of Spain and the Americas II (3)

Major trends in Hispanic and American Thought of the late 19th and the 20th centuries in historical and cultural context; development of ideas and their influence on the hemisphere.

150 Philosophical Problems (3)

An introduction to fundamental philosophical questions and areas of interest. Topics may include theories of truth and knowledge, the notion of beauty, concepts of goodness and evil, the nature of reality, the relation between body and mind, personal and social ethics, the existence and nature of God.

153 History of Philosophy (3)

A survey of the historical development of philosophy, emphasizing prominent schools of thought and philosophers that have influenced the formation of Western thought throughout the ages.

160 Philosophy of the Human Person (3)

Philosophical overview of human psychology: individual and social natures of human beings; their materiality and spirituality; human cognition, volition and freedom; differing order of human needs; powers and habits; unity within a complexity of activities, human destiny.

170 Contemporary Moral Problems (3)

An introduction to fundamentals of ethical reasoning, various methodologies, and application to current topics in ethical discourse. Topics may include capital punishment, euthanasia, abortion, war and peace, pornography, poverty and hunger, environmental rights, animal rights, academic freedom, sexual discrimination, or other areas of interest.

212 Introduction to Formal Logic (3)

The study of the principles of valid argument: deductive inference, syllogism and symbolic logic, including propositional and predicate logic.

292 Ethics (3)

A study of fundamental elements in ethical theory: Analysis of the concept of moral goodness, the origins and nature of moral law and obligation, comparison of various moral systems for moral decision making. Discussion will include application through consideration of concrete examples.

300 Special Topics (3)

Content to be determined each semester by the Department as requested by faculty and/or students to fill specified needs or interests.

302 Spanish and Spanish-American Philosophers (3)

Major ideas of the most important Spanish and Spanish-American philosophers in their historical and cultural context; development of their ideas and their influence in Western culture; primary emphasis placed on Unamuno, Ortega y Gasset, Zubiri, Varona, Ingenieros, Vasconcelos, Romero, Francovich, etc.

304 Epistemology (3)

Philosophical inquiry into the nature of knowledge, kinds of experience, belief and truth, justification and verification.

- 306 Philosophy of God and Religion (3)**
Philosophical investigation of the nature of the holy, faith and its relation of reason, religious language and symbol, proofs for the existence of God, religious experience and verification.
- 308 Philosophy of Law (3)**
Philosophies of law, including natural law theory, legal positivism, American legal realism, Marxism, and recent theories; relationship of law and morality; concepts of justice, responsibility and punishment; the conscientious objector.
- 313 Philosophy of Art (3)**
Philosophical study of the nature of art; relation between the various arts, concepts of beauty, the creative process, principles of art criticism, religious art and symbolism.
- 314 Metaphysics (3)**
A discussion of the nature of reality. Topics may include the nature of being, principles of individuation, materiality and immateriality, predication and causation.
- 315 Philosophy of Mind (3)**
Investigation of the nature and types of mental phenomena and our knowledge of them; the relation between mental events and the brain; mind/body interactions; artificial intelligence.
- 316 Ancient Philosophy (3)**
An historical survey of the development of Western philosophy, including the pre-Socratics, Plato, Aristotle, the Stoics, Cynics, Skeptics, Plotinus.
- 317 Medieval Philosophy (3)**
An historical survey of the development of Western philosophy, including the Patristic period, Saint Augustine, John Scotus Eriugena, Saint Anselm of Canterbury, Avicenna, Saint Bonaventure, Saint Albert the Great, Saint Thomas Aquinas, Scotus.
- 318 Modern Philosophy (3)**
A survey of Western philosophy, from the 17th century to the mid-19th century, including Rationalism, Empiricism, Positivism, Kant and Idealism; emphasis on the continuity and development of metaphysical and epistemological ideas during the period.
- 319 Contemporary Philosophy (3)**
A survey of the major branches of late 19th and 20th century thought: Marxism, American pragmatism, process philosophy, analytic philosophy, phenomenology, existentialism, hermeneutics and other recent developments, e.g. feminist philosophy.
- 320 American Philosophers (3)**
European influences; Colonial thinkers; philosophy of the Founding Fathers; Transcendentalism; Pragmatism; Naturalism; recent developments.
- 321 Philosophy of Peace and War (3)**
Classical and contemporary philosophical analysis of peace, war, and conflict between individuals, groups, and nations. Discussion of ethical questions concerning the initiation and the conduct of conflict, revolution and war. Analysis of nonviolent resolution of disputes, of proposals for solving the problem of war, and of pacifism. Ethical aspects of nuclear weapons employment and the contemporary employment and the contemporary nuclear weapons dilemma.
- 353 Bio-Medical Ethics (1-10)**
Interdisciplinary investigation of current ethical issues in health care and the medical, biological, and behavioral sciences; organized according to modules which may change each year.
- 353a Ethical Foundations (1)**
(Prerequisite to all other modules)
Philosophical ethics; professional codes of ethics; professional responsibilities.
- 353b Genetics and Reproduction (1)**
Artificial insemination; genetic engineering; genetic counseling; genetic screening; cloning and in vitro fertilization; pre-natal diagnosis. Prerequisite: 353a.
- 353c Limitation of Reproduction (1)**
Ethical issues relating to birth control, sterilization, and abortion with reference to social, psychological, biological, and legal aspects. Prerequisite: 353a

353d Ecological and Environmental Ethics (1)

Ethical study of the effect of human intervention in the manipulation of the environment; epidemiological and moral consequences of ecological imbalance; pollution industrial health regulations. Prerequisite: 353a.

353e Human Experimentation (1)

Ethical aspects of clinical investigation; organ transplanation; informed consent to participation in research; institutional guidelines on human research; behavioral research; research on prisoners; mental patients, children, and fetuses. Prerequisite: 353a.

353f Death and Dying (1)

Care of terminally ill patients; decisions concerning withholding of life-saving treatment; defining death; the right to die and death with dignity; decisions about the newborn; suicide; euthanasia. Prerequisite: 353a.

353g Health Care Delivery (1)

An analysis of the structural and ideological interests that lead to numerous value conflicts within the health care system of the United States; DRG's cost containment vs. care containment; corporatization of medicine; patient transfers; plight of the medically indigent; medicalization; malpractice; societal and personal responsibilities regarding health care. Prerequisite: 353a.

353i Population Ethics (1)

Population trends and public policy; relationships existing between development, environment, and population; ethical aspects of population control. Prerequisite: 353a

353j Clinical Setting and Interaction (1)

An analysis of the various life-worlds which inform the health care professional and influence role interaction, care process and patient outcome; paternalism vs. autonomy; truth telling; patients' rights; informed consent; patient abandonment; institutional neglect; patient advocacy. Prerequisite: 353a.

353m Mental Health (1)

An analysis of the numerous structural forces, principles, concepts and indices affecting the delivery of care to the mentally ill and warranting ethical reflection; models of illness; labelling; deinstitutionalization; intrusive therapy; societal obligations; right to treatment; right to refuse treatment; incompetency; Baker Act; Civil Rights of Institutionalized Persons Act (CRIPA). Prerequisite: 353a.

353n Geriatric Ethics (1)

Analysis of policy and clinical issues evolving from the confluence of demographic epidemiological, economic, political, medical, and legal forces which directly impinge upon the geriatric population; economic restraint vs. rising entitlement; autonomy; clinical evaluation for competency vs. the legal definition; informed consent; negotiated treatment; paternalism vs. therapeutic persuasion; surrogate decision-making; institutionalization vs. least restrictive alternative; quality of care; the life-care contract. Prerequisite: 353a.

353o Communicative Diseases/Aids (1)

Analysis of ethical and social issues surrounding the treatment and prevention of communicative diseases with particular emphasis upon Acquired Immune Deficiency Syndrome. Patient rights; employer, housing, and insurance discrimination; Florida Civil Rights Act; Rehabilitation Act of 1973, Section 504; mandatory blood testing; reporting laws; confidentiality; duty to notify innocent third parties; restricting of occupational activity; drug efficacy issues; determination of price control of drugs; allocation of resources.

355 Philosophy of Politics (3)

Chronological treatment of the political theories of the major philosophers from classical to modern times.

365 Advanced Argument Analysis (3)

In-depth analysis of various types of argument, including those in knowledge theory and ethics, which relate to professional and social issues; verbal puzzles; categorizing schemas. Prerequisite: PHI 120.

460 Philosophical Classics (3)

Examination of the basic writings of an individual philosopher, of a school of philosophers, or of philosophers of an historical period.

487 Seminar (3)

Research and discussion on selected topics under direction of instructor

THEOLOGY

The Department of Theology at Barry believes that the academic study of Theology is essential to a complete education. The Department fulfills its goals by the pursuit of the following objectives: 1) It studies Roman Catholic Theology in dialogue with other Christian traditions, non-Christian traditions and especially, Judaism. By this objective the Department fulfills Barry's commitment to Roman Catholic Education on the university level; 2) It acknowledges the human search for religious meaning and experience and seeks not only to offer the possibility of a study of the varying approaches to religious witnesses in history, but also to place Roman Catholic theology in communion with that quest; 3) It aspires to a fruitful encounter with other university disciplines since the department believes that theology's concerns are related to all vital human issues.

Requirements for the Major

The Major consists of 39 credits for a single major. Required courses: 111, and 301 in Biblical Studies; 207, 214, 311 in Christian Studies and 103 and 134 in Religious Studies; and 336 in Roman Catholic Studies, as well as the Integrating Seminar, 487. A written or oral comprehensive completes the requirements.

Requirements for the Minor

The Minor consists of 21 credits. The Department will plan a minor to suit the needs of the individual student. A nursing student, for example, might choose 111, 120, 214, 311, 422, plus the seminar (487).

Course Categories

I. Biblical Studies

- 111 Biblical Covenant: Introduction to the Bible
- 122 Jesus and the New Testament
- 301 Theology of the New Testament: New Testament Studies
- 304 Theology of the Old Testament
- 495 Topics in Bible

II. Christian Studies

- 120 Christian Understanding of Human Person
- 207 Christology
- 214 Christian Morality
- 300 Special Topics
- 311 Sexuality, Sex and Morality
- 327 Peace and Justice
- 337 History of Christianity
- 338 Church
- 360 Women and Justice in the Church
- 370 Protestantism
- 413 Religion and Social Issues
- 496 Topics in Christian Studies

III. Roman Catholic Studies

- 110 Catholicism
- 220 Marriage in Roman Catholic Tradition
- 336 Sacraments and Liturgy
- 476 Process in Religious Education
- 497 Topics in Roman Catholic Studies

IV. Religious Studies

- 103 World Religions: Religious Experiences of Humankind
- 134 Judaism
- 349 Sociology of Religion
- 351 Future of Religion in America
- 414 Religious Anthropology
- 422 Religious Psychology
- 487 Seminar
- 492 Workshop
- 498 Topics in Religious Studies
- 499 Independent Study.

Course Descriptions – Theology Prefix: THE

103 World Religions: Religious Experiences of Humankind (3)

A survey of the history, beliefs, practices and contemporary influence of the major religions of the world; Hinduism, Buddhism, Confucianism, Taoism, Maoism, Shintoism, African traditions, Judaism, Christianity, and Islam; a discussion of a basic methodology for understanding religions.

110 Catholicism (3)

An explanation of the spirit, beliefs and practices of Roman Catholicism including its understanding of sacramentality, mediation and communion; a study of the Roman Catholic classics and issues confronting Roman Catholicism.

111 Biblical Covenant (3)

Contract made on Sinai by the people of Israel with Yahweh, their God; ambivalence of Israel and the mission of the prophets; fulfillment of the divine promises in the advent of the Messiah.

120 Christian Understanding of Human Person (3)

An investigation into the question of "What does it mean to be human?", according to Judaeo-Christian teaching; a discussion of the relationship of the human person to self, others, the world, and the Divine as the basis for humanness; a study of the issues involved in these four relationships, e.g., freedom, grace, contemplation.

122 Jesus and the New Testament (3)

Study of Jesus in the New Testament and other sources in light of the examination of the New Testament texts; Jewish and Pagan worlds in New Testament times; history and kerygma; theology and tradition of the apostolic times and the encounter with Jesus and the spirit today.

131 Judaism (3)

A survey of modern Jewish history to discover roots and traditions of the Jewish people in American, Israeli and Soviet Union...view of the Holocaust and its effects on the world Jewry. The faith, beliefs and practices of Jewish life today.

207 Christology (3)

Person and message of Jesus as seen in the scriptures and the life of the church; contemporary understanding of Jesus and the challenge of Jesus for the Christian of today.

214 Christian Morality (3)

Value choices manifest in the teaching and example of Jesus; basic moral option and the nature of personal responsibility in conscience formation; influence of charity in the moral decisions of a Christian; critical areas in contemporary moral teaching and practice.

220 Marriage in Roman Catholic Tradition (3)

A personally-oriented and practical treatment of the marital union as seen in its Christian theological, psychological, and sexual aspects; and discussion of Christian marriage as a bond of love, as a sacrament, and as a way of human fulfillment.

300 Special Topics

301 Theology of the New Testament: New Testament Studies (3)

A study of specific themes or books of the New Testament focusing on particular questions of contemporary Christianity.

304 Theology of the Old Testament (3)

Examination of the Theology of the various books of blocks of writing in the Old Testament; an attempt to draw together and present the major themes, motifs, and concepts of the Old Testament; a study of the relationship between the Old Testament and the New Testament.

311 Sexuality, Sex and Morality (3)

An analysis of the nature of sex and sexuality, according to the sources and developments of Christian thought; the integration of those concepts into a contemporary moral and ethical system.

327 Peace and Justice (3)

The course is meant to explore the issues of peace and justice as fundamental concerns of Christianity today. Building on the foundation of scripture, Roman Catholic (and other churches') documents on these topics, students will explore the questions being asked today and some of the responses proposed.

336 Sacraments and Liturgy (3)

Christian sacraments from the perspective of religious experience and symbol; Christ as primordial sacrament; historical-theological development of each sacrament.

337 History of Christianity (3)

Survey of the beginning, growth and development of Christianity, through the medieval period to the time of the Reformation; post-Reformation trends briefly addressed.

338 The Church (3)

Analytical approach to the problem of reciprocal incidence and dependence between religious phenomena and the socio-cultural world; deals principally with the classical sociologists, Marx, Freud, Durkheim, Malinowski, Weber and their views of the function of religion and the process of secularism. Same as SOC 349.

351 Future of Religion in America (3)

Sociological analysis of the role of religion in American Society; viability of the function in the last quarter of the twentieth century.

360 Women and Justice in the Church (3)

An investigation of the anthropological, philosophical, and theological development of the roles of women in society and the Church; women, men and personhood; the experience of women in the Gospels and in the life of the early and contemporary Church; goals for a just society and Church.

370 Protestantism (3)

An introduction to the thought of the principle reformers: Luther, Calvin, Zwingli, Wesley; a study of speculative and practical forces operative in the fifteenth-sixteenth centuries which gave rise to the reforming movement; the formulation Protestant Orthodoxy.

413 Religion and Social Issues (3)

A study of the influence of religious convictions in confronting major social issues of today's world, e.g., population growth, famine, ecology, liberation and revolution, truth as a social issue, wealth, taxation.

414 Religious Anthropology (3)

Analysis of current cultural, philosophical, psychological and sociological perspectives concerning the nature of man in the light of the contemporary theological understanding of Revelation; illumination of man through the self-communication of the Divine in history.

422 Religious Psychology (3)

Application of psychological principles and recent investigative studies to various modes of religious behavior. The classic theoretical issues involving the potentially positive as well as unintended negative functions which religion may play intra-psychically, interpersonally and socially will be addressed.

476 Process in Religious Education (3)

Application of recent educational, psychological, and catechetical theory and practice to religious education; catechetical materials in current media. For majors only. Prerequisite: Candidacy in the School of Education.

487 Seminar (3)

Group research and interchange of ideas on a topic of contemporary significance in the field of Religious Studies. Required of major students.

492 Workshop (1-3)

495 Topics in Bible (3)

Specific themes, books, texts are chosen which have materialistic interest and relevance to the contemporary world.

496 Topics in Christian Studies (3)

The topics will change regularly and will be published within the department.

497 Topics in Roman Catholic Studies (3)

The topics will change regularly and will be published within the department.

498 Topics in Religious Studies (3)

The topics will change regularly and will be published within the department.

499 Independent Study (3)

Contract will be formulated by the professor and the student and approved by the dean.

**Courses taught by the Archdiocese of Miami and approved by the
Theology Department of Barry University:**

- 140 Religious Education Methodology I
- 141 Religious Education Methodology II
- 142 Introduction to the Sacraments
- 143 Principles of Christian Morality I
- 144 Principles of Christian Morality II
- 151 Introduction to the Old Testament
- 152 Introduction to the New Testament
- 157 Celebrating Liturgy I
- 158 Celebrating Liturgy II
- 161 The Church After Vatican II
- 163 Peace and Justice I
- 164 Peace and Justice II
- 173 Principles of Youth Ministry

INTERDISCIPLINARY MAJORS

INTERNATIONAL STUDIES

International studies is an interdisciplinary major for students interested in global political, social, cultural, and economic affairs. The major has social science, business, and cultural components. The first of these entails the study of international relations, comparative government, and history. The second component provides basic business skills and an understanding of international business forces. The final component is aimed at greater understanding of other societies and cultures.

The program of study shown below indicates the minimal requirements. Students should consult their advisor for course selections appropriate to their area of interest and career goals. The minimum grade of C is required in all major courses. The program of study includes:

1. The social science component (24 credits) will include history (12 credits) and political science (12 credits).
2. The business component (30 credits) will include CIS 180, BUS 181, ACC 201-202, ECO 201-202, 351, 466, MGT 305, MKT 306.
3. The cultural component (24 credits) will include ANT 243, philosophy (6 credits) and language and literature (15 credits).
4. The remaining distributive requirements (24 credits) will be fulfilled through ENG 111-112, MAT 108, 152 and an elective in each of these areas: Art, Science, Speech, Theology.
5. In their remaining coursework, (18 credits) students are encouraged to strengthen each component of the major.
6. The integrative experience will consist of a research paper, internship or study abroad as approved by the program advisor.

LIBERAL STUDIES

The Liberal Studies major is offered to students with career goals that require greater flexibility in a course of study than that provided by traditional majors and that require concentrated study in more than one discipline.

The course of study must be justified by a high level of coherence demonstrated in a plan and rationale that the student will submit to

the program advisor. The student and the advisor will discuss the plan, its rationale, and its goals, and, in consultation with faculty in the primary and secondary disciplines, will determine the courses to be taken, as well as a final integrative project appropriate to the student's plan.

All courses taken in the area of concentration as well as in the secondary area(s) must be courses above and beyond those taken to fulfill distribution requirements.

The minimum grade of C is required in all courses in the area of concentration and in the secondary area(s).

The course of study will consist of one area of concentration (21-30 cr.) chosen from among the disciplines in the liberal arts (art, Chemistry, English, French, History, Mathematics, Music, Philosophy, Political Science, Psychology, Sociology, Spanish, Theater, and Theology); and at least two secondary areas (12-18 cr. each) chosen from among the disciplines above and from Journalism, Physics, and Speech, as well as from offerings in Business, Computer Science, and Biological Sciences; communication, Sport Sciences, and Criminal Justice. Students are required to take the senior seminar (LIB 487) during their senior year. A minimum of 24 credits will be at upper-division level.

Course Description – Prefix: LIB

487 Senior Seminar (3)

This course will introduce the student to critical approaches to the question of the educated person in general and in America in particular. Special emphasis will be placed on contemporary issues in higher education policy from the standpoint of the liberal arts.

PRE-LAW

Pre-Law is an interdisciplinary major representing a variety of disciplines. Although the pre-law major does not rule out pre-law preparation through the pursuit of traditional majors in History, Accounting, English, etc., it offers the best immediate preparation for the LSAT that is required for entry into any law school. The pre-law major specifically aims for breadth of knowledge and considers its interdisciplinary components an excellent preparation for students not only to achieve a satisfactory LSAT score, but also to ensure sufficient preparedness to perform successfully at any professional law school.

The pre-law major consists of a 96-credit interdisciplinary program (45 credits in the distribution and 51 credits in the major). The remainder of the program is comprised of 24 credits in elective courses.

Students will include the following courses as part of the 45-credit distribution requirements in the following areas:

Oral and Written Communication - ENG 111, 112, SPE or COM elective

Theology and Philosophy - PHI 120, 292, THE elective

Humanities and Arts - 9 elective credit hours

Mathematics and Science - MAT 152, 6 elective credit hours

Social Sciences - HIS 101, POS 100, PSY 281

Students will include the following courses as part of the 51-credit major requirements in the five indicated component areas:

Philosophy (12 credit hours) – PHI 304, 308, 355, 365

Political Science (12 credit hours) – POS 201, 307, 308, 425

History (12 credit hours) – HIS 102, 201, 202, 400

Business (12 credit hours) – BUS 181, 339; ECO 201, 202

English (minimum 3 credit hours) – ENG 406

The balance of 24 credit hours completing the 120 credit hours course of study is to be chosen from electives to strengthen each component of the major with ENG 207, 310, 312 recommended as needed and with, and SOC 370 especially recommended.

Students completing a pre-law major must maintain a minimum 2.5 cum GPA in their major and must obtain a satisfactory score on the LSAT (Law School Admission Test).

INTERDISCIPLINARY NON-DEGREE PROGRAMS

HONORS (See description of Honors Program)

Advisor: George J. Cvejanovich, Ph.D.

Course Description – Prefix: HON

101-102 Freshman Honors Seminar (3) (3)

An interdisciplinary seminar open only to Honors students. Contents will be determined by the interest and expertise of the faculty members and the specific needs and/or interests of the Honors students. The course sequence will fulfill an Honors Program requirement.

HUMANITIES

The Humanities offerings consist of a sequence of interdisciplinary courses using literature as “the hub of a wheel” that explores fundamental questions of the human condition. Literature has been described as a “logical” focus for the integration of knowledge because of its ability to extend outside itself to forms of human experience beyond disciplinary boundaries. In this regard, it satisfies the search for “the connectedness of things” (Mark Van Doren).

“Literary interrelations” afford the opportunity to explore human concerns as the literary expressions of those concerns reflect or are refracted by other modes of thought and methods of inquiry: psychological, historical, gender, religious, legal, musical, and possibly others.

Course Descriptions – Humanities Prefix: HUM

Under HUM 300, Special Topics, the courses listed below will be offered. Students may take HUM 300 as many times as they wish as long as the course content is different.

Women in/and Literature (3)

Depiction of the reality experienced or perceived by women and the portrayal of women in world literature (stereotypes, traditional roles, role conflict, relationships, cultural differences etc.)

Psychological Dimensions of Literature (Lit. & Psychology) (3)

The relationship between literature and psychology with particular emphasis on the influence of psychoanalysis in critical interest in authorial unconscious intention, literary interest in motivation of character and the interior life, abnormal behavior, and societal definition of “normalcy.” The influence of psychology on literary style and genres: dream, stream of consciousness, symbolism, etc.

Historical/Sociological Dimensions of Literature (Lit. & History/Sociology) (3)

Exploration of literary works that reflect historical or social events (revolutions, wars, Depression years), movements (industrialization, urbanization, democratization), or personages. The premise is that a socio-historical perspective enhances an understanding of the literature as well as of the individual period of culture.

Anthropological Dimensions of Literature (Lit. & Anthropology) (3)

Literary works which depict through cross-cultural perspectives social structures found in various societies: kinship and marriage systems; gender; myth; legend; ethnicity; ritual; rites of passage; witchcraft; religion; symbolic classifications; structuralism; legal, political, and economic structures, etc.

Commercial Dimensions of Literature (Lit. & Business) (3)

Literary works which depict financial, economic, and business practices and practitioners. Discussion of concepts of ethics, the middle class work ethic, power, the "American Dream," social responsibility, American affluence and consumption, relationship between labor and management, effects of technology and government regulation, and quality of work life.

Literature and Film (3)

Exploration of the translation of literary classics from print to film medium. Consideration given to editing, directorial interpretation, camera work, music, set design, and visual symbols.

Musical Dimensions of Literature (Lit. & Music) (3)

The attempt to "cross over" between the two disciplines, particularly in the musical expression of literary themes. Consideration also to musical aspects of literature. Various musical forms will be considered including opera, ballet, musicals, folk music, and symphonic music.

Religious Dimensions of Literature (Lit. & Religion) (3)

Examination of literature written to confirm or challenge belief. Literature that developed out of religious traditions (such as Morality drama) or practices (such as spiritual meditation); that articulates religious conceptions and belief; that challenges orthodoxies; or that reflects socio-historical attitudes to religion. The course may also include a "Bible as Literature" component— the Bible as repository of universal themes and myths as well as of narrative and lyric genres.

Literature and the Law (3)

The law and legal issues (trials, lawyers, investigations, laws) as themes and motifs in works of literature, with emphasis on the relationship between law, interpretation of law and justice, as well as political and historical contexts.

Literature in Translation/Cross Cultural Approaches to Literature (3)

A comparative approach to literature read in translation enriched by emphasis on differing cultural (i.e., national, group) attitudes, values, ways of life, roles, and historical and socio-economic conditions of life.

Man's Search for Meaning (3)

A selection from the Great Books, both ancient and modern, studied from the perspectives of theology, philosophy, aesthetics, and psychology in order to see what kinds and levels of reality they focus on, what they perceive, and how they value them. Through discussion of the great ideas which emerge and through reflections of different epistemological approaches to reality, students will be encouraged to clarify their own views of reality, to find relationships among them, and to refine their own value systems.

Experiencing the Humanities and Oxford (3)

A journal-based course consisting of directed or escorted visits (museums, art galleries), attendance at performances (theatre, concerts), and lectures on topics relevant to Oxford and Britain. A study-abroad offering designed to immerse the student in British culture.

301 Humanities in the 20th Century (3)

Interdisciplinary approach to the history, drama, art, music, philosophy, and literature of the twentieth century; selected cultural activities. (Special course fee)

PEACE STUDIES

In the May 1983 pastoral letter, "The Challenge of Peace: God's Promise and Our Response," the American bishops wrote:

We urge universities, particularly Catholic universities in our country to develop programs for rigorous, interdisciplinary research, education and training directed toward peacemaking expertise.

As a response to this mandate, the School of Arts and Sciences offers an interdisciplinary minor in Peace Studies. The minor requires a minimum of 21 credits which must include POS 412 and either PHI 321 or THE 327. The courses should be chosen from those listed below or relevant special topics.

POS 325	International Relations
POS 395	International Organizations
POS 412	Conflict Resolution
PHI 292	Ethics
PHI 321	Philosophy of Peace and War
PHI 355	Philosophy of Politics
THE 120	Christian Understanding of the Human Person
THE 214	Contemporary Christian Morality
THE 327	Theology of Peace and Justice
HIS 404	American Diplomatic History, 1870 to Present

WOMEN'S STUDIES

Women's Studies is an interdisciplinary program that explores the female experience and perspective by integrating biological, historical, literary, religious, political, economic, sociological, psychological, and anthropological perspectives of gender. Cutting across traditional academic boundaries, it coordinates courses in ten different disciplines.

The Women's Studies program provides students with the opportunity to take a minor in Women's Studies, to earn a certificate in Women's Studies, or to take individual courses for elective credit or personal enrichment.

Women's Studies Minor

The minor in Women's Studies requires a minimum of 21 credits (to include WMS 201 and WMS 487).

Certificate Program

The certificate program requires a minimum of 18 credits (to include WMS 201 and WMS 487). It is open to individuals who have at least 30 university credits or to individuals qualified by some other criterion to participate. The certificate program may appeal to individuals who hold Bachelor's degrees and who wish an additional specialization. It is also intended to supplement a student's traditional academic major. Transcripts will state "Minor in Women's Studies" upon request.

Course Descriptions – Women's Studies Prefix: WMS

The following satisfy requirements for the Women's Studies minor or certificate. Other courses may be approved by the advisor of the program, if they are deemed appropriate.

201 Introduction to Women's Studies (3)

Survey of the issues, topics, and theories relevant to Women's Studies. The interdisciplinary nature of the subject is emphasized by an overview of women's lives and contributions as studied in various academic disciplines. Special attention is paid to how women's experiences have been affected by sexuality, age, race, class, ethnicity, religion, education, and culture differences.

487 Senior Integrative Seminar (3)

Group seminar, requiring a research paper or other integrating experience. Faculty- and student-led discussions provide a forum for integrating course material, exploring new topics, and clarifying issues.

The courses below are **special topics (WMS 300)**, some co-listed with designated academic disciplines.

Psychology of Women (also PSY 306) (3)

Study of the various issues affecting the changing role of women in today's society; consideration given to psychological and social factors as they relate to contemporary feminine behavior.

Women in Hispanic Literature (3)

Survey of the works written by the most outstanding women of the Hispanic world. Analysis of readings from aesthetic and ideological points of view.

Biology of Women (3)

Anatomy and physiology of the human female with exploration of the health problems that occur in females as a consequence of being female.

Sociology of Gender (3)

Examination of the roles of women from the perspectives of sociology and social psychology, with emphasis on gender inequality in the family, the workforce, the media, politics, religion, education, and the law.

Women and Religion (3)

Exploration of the image and role of women from the perspective of religion, with particular emphasis on the Judaeo-Christian tradition.

Historical Perspectives of Women (3)

Examination of the roles and contributions of women in the political, social, intellectual and economic life of particular countries and historical periods.

Women in the Workplace (3)

Examination of issues or problems that have special relevance to female and male workers, managers or professionals: gender-based division of labor, roles, role stereotypes, role conflict, child care, medical plan coverage, maternity/paternity leaves, mentoring, networking, time management, stress, authority, communication, equal pay, discrimination and sexual harassment.

Women: Psychology and Literature (3)

An examination of selected literary works (fiction, poetry, essay, film, drama) for their expression of women's psychological experiences. Particular emphasis on traditional roles, stereotypes, psychological health (including the learning of roles, theories of personality, psychological treatment, role strain and role conflict), and traditional roles in transition.

Women In/And Literature (also HUM 300) (3)

Examination of stereotypes, themes, and depiction of women in works of literature (fiction, poetry, essay, drama, and film) with particular emphasis on the development of feminist criticism and female creative expression.

Gender and Culture (3)

A cross-cultural perspective of the influence of various cultures and their social structures on women's roles and relationships with some emphasis on the nature/culture dichotomy, the social creation of gender, and the search for universals in all human societies.

D. INEZ ANDREAS SCHOOL OF BUSINESS

Lloyd D. Elgart, J.D., D.B.A., Dean.
Lewis W. Lash, D.B.A., Associate Dean for
Undergraduate Programs

Faculty: Axe, Broihahn, Bush, Clotey, Daghestani, Danese, Duchatelet, Gallagher, Gochenour, Hervitz, Kalphat, Lennon, Mansourian, Morrell, Nicholas, Nickerson, Paul, Priddle, Scarborough, Schumacker, Ser, Zarzeski.

The purpose of the academic programs in the School of Business is to prepare students to engage in professional careers in industry and government as well as in for-profit and not-for-profit institutions of every nature. The increasing demand for qualified personnel, trained to cope with the complexities of modern organizational environments, necessitates a curriculum that reflects an appropriate balance of quantitative, behavioral, social, ethical and international aspects of business. Business programs at Barry are designed to deliver this balance within a larger ethical framework that inculcates values leading to equitable and just executive decision. Recognizing that the business environment is dynamic, the School is involved in a continuous reassessment of its curriculum in order to meet changing demands.

CLASS ATTENDANCE POLICY

Students demonstrate their responsibility in the regularity and punctuality of their attendance at class sessions and other School functions. There are no "free cuts," but absences due to illness or other reasonable causes generally entitle the student to make up missed work. If the number of such absences exceeds three in a three-credit course meeting three times weekly, or, two in a three-credit course meeting twice weekly, the professor should reduce the student's earned grade by one letter. If such absences exceed seven in a course meeting three

times a week, or, five times in a course meeting twice a week, the student should be issued a grade of "F" in the course.

Absences above three for exceptional reasons may be excused by the instructor only upon presentation of a letter from a physician, or other acceptable documentation. As part of this policy three tardies constitute one absence in a course meeting three times a week and two tardies constitute one absence in a course meeting twice a week.

Requirements for Graduation

- (1) Completion of graduation requirements for undergraduates as listed under Academic Information in this catalog.
- (2) Completion of the core business curriculum and the required courses for one of the School of Business areas of specialization with a grade of C or better in each course. Students in the School of Business do not select a minor since they complete the business core curriculum.
- (3) Accounting majors applying for the CPA Exam in Florida must have at least 30 credit hours in addition to those required for the baccalaureate degree. These credits may be earned in the graduate division of the School of Business. (See Master of Professional Accountancy).
- (4) Students requiring remedial courses in Mathematics and English should take the freshman requirements during Summer I and Summer II following their first semester or year at Barry University.

Degree Requirements:

Corequisites (12 semester hours)

- *MAT 108 Precalculus for Administration & Management
 - *MAT 152 Elementary Probability & Statistics
 - **CAT 110 Word Processing
 - **CAT 120 Spreadsheets
 - **CAT 130 Applications to Database
 - MIS 215 Administrative Applications of Computers
- * These courses are used to partially fulfill the Math/Science distribution requirement.
- ** Students may obtain a waiver or test out of any or all of these courses if they can demonstrate sufficient knowledge of the applicable software.

Business Core (39 semester hours)

- BUS 181 Concepts of Business Behavior
- ACC 201 Principles of Accounting I
- ACC 202 Principles of Accounting II
- ECO 201 Principles of Economics I

ECO 202	Principles of Economics II
MGT 211	Management Science
MGT 305	Management Concepts & Applications
MKT 306	Marketing Concepts & Applications
BUS 339	Business Law I
BUS 340	Business Law II
BUS 371	Social & Ethical Issues in Business
FIN 319	Financial Management I
BUS 499	Business Policy Seminar

MAJOR FIELDS:

1. Accounting:

ACC 335	- Intermediate Accounting I	3	ACC 400	- Accounting Information Systems	3
ACC 336	- Intermediate Accounting II	3			
ACC 337	- Intermediate Accounting III	3	ACC 435	- Advanced Accounting	3
ACC 360	- Cost Accounting	3	ACC 437	- Auditing	3
ACC 362	- Federal Income Tax	3			

Total 24

2. Economics/Finance:

**ECO 300	- Special Topics in Economics	3			
**FIN 300	- Special Topics in Finance	3			
*ECO 301	- Applied Macroeconomics	3			
*ECO 302	- Applied Microeconomics	3			
FIN 316	- Money and Banking	3			
ECO 351	- Comparative Economics	3			
FIN 419	- Financial Management II	3			
FIN 427	- International Finance	3			
*FIN 454	- Investments	3			
*ECO 466	- International Business	3			

Total 21

*Required

**Limit of one 300-special topics course

3. Management:

MGT 352	- Human Resource Management	3	MGT 409	- Org. Comm. and Behavior	3
MGT 400	- Mgmt. Inf. Sys.	3	MGT 428	- Entrepreneurship	3
MGT 427	- Managerial Decision Making	3	ECO 466	- Internl. Bus.	3
MGT 325	- Operations Mgmt.	3			

Total 21

4. Hospitality Management

HOS 390	- Hospitality Mgmt Concepts	3	HOS 441	- Hospitality Practicum	3
HOS 391	- Food and Beverage Mgmt	3		(minimum of 400 hours)	
HOS 392	- Hospitality Marketing	3	HOS 491	- Seminar on Hospitality Mgmt	3
HOS 400	- Hospitality Info Systems	3		Business Elective (approval req)	3

Total 21

5. Marketing:

MKT 381	- Mktg. Research	3	MKT 384	- Retailing	3
MKT 382	- Advertising	3	MKT 402	- Marketing Mgmt. Prob.	3
MKT 383	- Sales Mgmt.	3	ECO 466	- Intl. Bus.	3
MKT 385	- Consumer Behavior	3			

Total 21

6. Management Information Systems		
MIS 203	– Comp. Prog. Concepts & Tech.	3
MIS 301	– COBOL Programming	3
MIS 302	– Advanced COBOL Program.	3
MIS 307	– Intro. to Sys. Software	3
MIS 400	– Info. Systems Analysis	3
MIS 412	– Appld. Dev. Softwr Dev. Proj. I	3
MIS 428	– Comp. Comm. & Networks	3
MIS 433	– Database Mgt. Systems	3

Total 24

Minor in Business (21 credits) (Approval of Dean)

Corequisites: Math 152; *CAT 110; *CAT 120; *CAT 130

BUS 181	Concepts of Business Behavior	3
ACC 201	Principles of Accounting I	3
ECO 201	Principles of Economics I	3
MGT 305	Management Concepts & Applications	3
MKT 306	Marketing Concepts & Applications	3
	Choice of two business electives approved by the Dean.	6

*Students may obtain a waiver or test out of any or all of these courses if they can demonstrate sufficient knowledge of the applicable software.

Minor in Economics (21 Credits) (Approval of Dean)

ECO 201	– Principles of Economics I	3	ECO/FIN xxx	– Approved ECO/FIN course	3
ECO 202	– Principles of Economics II	3			
FIN 316	– Banking and Fiscal Policy	3	ECO 466	– Int'l Business	3
ECO 351	– Comparative Economics	3	POS/ECO 406	– Political Econ of Development	3

Minor in MIS (21 Credits) (Approval of Dean)

MIS 412	– Applied Software Development		MIS 301	– COBOL Programming	
MIS 400	– Information Systems Analysis		Any one of:	MIS 302	– Advanced COBOL Programming
MIS 215	– Admin Applic of Computers			MIS 307	– Introduction to System Software
MIS 433	– Database Management Systems			MIS 428	– Computer Comm. and Networks
MIS 203	– Computer Programming Concepts and Techniques				

Internship (3) – 443

Business majors may elect an Internship as an elective credit. A contractual agreement between the student and the School of Business is essential before beginning on-the-job experience. A letter of evaluation from the employer and a portfolio of performance must be submitted to the Director of Interns. Prerequisites: 3.0 GPA, Junior status, recommendation of faculty member and approval of the Director. CR/NC option only. Prefix of the course will be that of the individual major. Applicants initiate internship in the Student Development Center before approval of the Director of Interns.

Course Descriptions – Accounting Prefix: ACC

201 Principles of Accounting I (3)

Nature and function of accounting and its importance in the social order; the accounting cycle, the measurement of income, and valuation problems; reporting of financial position and results of operations; partnerships, and sole proprietorships. (Fall, Spring, Summer)

202 Principles of Accounting II (3)

Corporate Accounting. Debt and equity financing; Cost accounting principles; budgeting and management decision-making. Prerequisite: ACC 201. (Fall, Spring, Summer)

335 Intermediate Accounting I (3)

Advanced theory and accounting techniques for the recording and reporting of financial transactions; income determination; valuation problems in assets and equity accounting and price level impact. Prerequisite: ACC 202. (Fall)

336 Intermediate Accounting II (3)

Income determination and valuation problems in asset and equity accounting; recognition and measurement of liabilities, stockholders equity, dilutive securities and investments. Prerequisite: ACC 335 (Spring)

337 Intermediate Accounting III (3)

Continuation of Intermediate II (ACC 336). Liabilities, equities, earnings per share, cash flow statement, pensions and leases. Equity accounting for partnerships; interim and segment reporting. Prerequisite: ACC 336. (Fall)

360 Cost Accounting (3)

Principles of cost accounting for both manufacturing and service industries. Topics include income statement measurement and analysis, break-even, job-order and process costing systems, overhead allocation and analysis operational and capital budgeting, variance analysis, scrap and managerial decision-making. This course is for Accounting majors only. Prerequisite: ACC 202. (Spring)

362 Federal Income Tax (3)

A review of the Internal Revenue code and Regulations from an Accounting/Law perspective. Topics include determinations of income, deductions, exemptions and credits. This course emphasizes individual taxation and sole proprietorships. Prerequisite: ACC 201. (Fall)

400 Accounting Information Systems (3)

Analysis, design, and implementation of manual computer-based accounting systems. Organization, operations, and controls. Preparation of flow charts, documentation analyses, and systems modifications. Internal control in computer-based accounting systems. Prerequisites: CIS 180, CS 315, ACC 335. (Fall)

435 Advanced Accounting (3)

Accounting for business expansion; branch accounting, mergers, acquisitions, consolidations, consolidated financial statements; equity method of accounting; accounting for foreign operations; fund accounting. Prerequisite: ACC 337. Senior Status (Spring)

437 Auditing (3)

Basic auditing standards and procedures as applied to both internal and public auditing, professional ethics, audit programs, working papers, legal responsibility, auditing computerized systems, completing the audit and reports. Prerequisite: ACC 337, Senior Status. (Spring).

Course Descriptions – Business Prefix: BUS

181 Concepts of Business Behavior (3)

For freshmen business majors and non-business majors. Principles and mechanics of business behavior, covering issues in the business-society relationship, including past history, world events, economic issues, and future expectations. (Fall, Spring)

339 Business Law I (3)

Designed to afford the student a background of basic legal principles, concepts and the nature of the judicial process. The first part of the course is devoted to the legal environment of business, including common, statutory and administrative law, federal and state court structure, theories of law, court procedure, conflicts of law and judicial forms of dispute resolution. This is followed by a detailed study of contracts including basic elements, interpretation, remedies for breach, assignment and discharge. The course concludes with agency and employment. (Fall, Summer)

340 Business Law II (3)

An extension of Business Law I (339) with emphasis on personal property, real property, leases, bailments, bankruptcy, insurance, single proprietorships, partnerships, corporations, and selected portions of the Uniform Commercial Code. (Spring, Summer)

371 Social and Ethical Issues in Business (3)

This course is designed to create an awareness of and a sensitivity to social and ethical issues which can, and should, influence the management of business enterprises by entering into the decision making processes of today's business managers. Focus is on the legal, social and ethical implications of problems in contemporary business issues such as employer-employee relationships, consumerism (advertising and product safety), environmental conservation, etc. Numerous cases are studied to illustrate the complexities of these issues at the society/business interfaces. (Spring)

359, 459 Independent Study (3)

Opportunity for research in area of special interest. Prerequisite: recommendation by faculty member and approval of the Dean. Junior, Senior status only.

499 Business Policy Seminar (3)

A capstone course which integrates the various business disciplines. Using a senior management perspective, the student addresses strategy formulation and implementation in a volatile business environment. The case method of instruction is actively used. Prerequisite: Senior standing. (Fall, Spring).

Course Descriptions – Economics Prefix: ECO

201 Principles of Economics I (3)

Macroeconomic analysis; fundamentals of supply and demand and the American economy; gross national product and other national income measures; causes and consequences of inflation and unemployment; Keynesian, monetarist, supply-side and other macroeconomic theories; fiscal and monetary policy; determinants of economic growth. (Fall, Spring, Summer)

202 Principles of Economics II (3)

Microeconomic analysis: supply and demand analysis; the price system; elasticities of demand and supply; principles of consumer behavior and the theory of demand; maximization of utility; theory of the firm; cost analysis in the short and long run; profit maximization; market structures in a modern capitalist economy: competition, monopoly, oligopoly, oligopolistic competition; labor and other resource markets; market failure and the role of government; foreign trade and the international economy. Prerequisite: ECO 201. (Fall, Spring & Summer)

301 Applied Macroeconomics (3)

This course deals with the formulation of macroeconomic theories and their application to the analysis of the current problems affecting the U.S. and world economy. Key topics include Keynesian and monetarist models, supply side economics, rational expectations, open-economy monetary models, the budget deficit, inflation and unemployment. Prerequisite: ECO 201, ECO 202. (Fall)

302 Applied Microeconomics (3)

This course deals with the formulation of microeconomic theories and their application to the analysis of day-to-day economic problems of the firm. Key topics include models of monopolies, oligopolies, and pure competition, utility functions and isoquants, empirical estimation of production, cost and demand functions, elasticities, pricing decisions, and valuation of fringe benefits. Prerequisite: ECO 201, ECO 202 (Spring)

300 Special Topics in Economics (3)

Each semester this course will focus on a different selected topic of particular relevance to the national and global economy. These might include, for example, "The Economics of Discrimination," "Industrial Organization and Antitrust Regulation", "The Economics of Environmental Issues", "The Economics of European Integration", or "Economic Policies and Problems in Latin America". (p:ECO 201, 202)

351 Comparative Economic Systems (3)

Detailed analysis of the world's major economic systems in both industrialized and developing countries; the universality of scarcity and the main economic questions; the importance of natural, human, and man-made resources; variants of market economies; the transformation of socialist economies; the role of government in owning, managing, and distributing resources; developing countries and the way out of poverty; attitudes towards foreign trade, credit, and banking; agricultural and industrial policies; the role of economic planning. Prerequisite: ECO 201, ECO 202 (Fall)

406 Political Economy of Development

Analysis of the process of political and economic development. Topics include modernization, industrialization, the new international economic order, the role of the state and military and ethical issues of development. Prerequisite: ECO 201 and 202 and Departmental approval. Same as POS 406. (Spring)

466 International Business (3)

Overview of the unique problems faced by firms engaging in international activities; the importance of understanding the foreign economic, social, political, cultural, and legal environment; the mechanics of importing and exporting; joint ventures, franchising, and subsidiaries; international dimensions of management, marketing, and accounting; international financial management; the special problems of multi-national corporations; recent problems of the international economic system; country-risk analysis; the increasing use of countertrade. Prerequisites: ECO 201, ECO 202, MGT 305, MKT 306. (Fall)

Course Descriptions — Finance Prefix: FIN**300 Special Topics in Finance (3)**

Each semester this course will focus on a different selected topic of specialization in the area of finance. These might include for example "Real Estate Finance", "Mergers and Acquisitions", "Bankruptcy and Receivership", "Insurance Finance", etc. (ECO 201, 202)

316 Money and Banking

The nature and functions of money and finance: financial markets and institutions; financial instruments and interest rates; structure, functioning, and regulation of commercial banks and other depository institutions; the role and instruments of the Federal Reserve System; monetary theory and policy; fiscal theory and policy; international financial relations; determinants and consequences of spot and forward foreign exchange rates; evolution of the international monetary system. Prerequisite: ECO 201, ECO 202. (Spring)

319 Financial Management I (3)

A basic financial review with emphasis on business decision-making using sound and proven financial techniques. Topics include cash flow, working capital, capital budgeting, future and present value, capital structures, debt/equity analysis and efficient management of assets, leverage and equities. Prerequisites: ACC 201, MGT 211. Junior/Senior status. (Fall, Spring)

419 Financial Management II

This course is a continuation of FIN 319 covering more advanced issues such as options, futures, pensions, leasing, mergers, acquisitions, and bankruptcies. Prerequisite: FIN 319. (Spring)

427 International Finance

The first part of this course examines the functioning of the international financial markets, including foreign exchange market (forwards, swaps, futures, options, etc.), Eurodollars, and Eurobonds. The second part deals with International Financial Management, including such issues as reducing foreign exchange risk, financing foreign trade and investment, transfer pricing, and international taxation. (p: FIN 319) (Spring)

454 Investments (3)

Basic course covering techniques, vehicles and strategies for implementing personal and professional investment goals. Topics covered include stocks, bonds, stock exchanges, investment analysis, etc. A broad portfolio approach to investing is used, highlighting risk-return trade-offs. Prerequisites: ACC 201, 202, FIN 319. (Spring).

Course Descriptions — Hospitality Management Prefix: HOS**390 Hospitality Management Concepts (3)**

Overview of all aspects of the Hospitality industry, including growth and development, departmental structure, operations marketing, accounting, food and beverage services, and the "Innkeeper" philosophy. Future prospects for the industry, career opportunities, and the education and development of future hospitality managers. (Fall)

391 Food and Beverage Management (3)

Overview of food and beverage operations, including management and accounting systems, basic terminology, questions of quality control, etc. Basic principles and procedures of effective beverage selection, control and management will also be stressed. Prerequisite: HOS 390. (Spring)

392 Hospitality Marketing (3)

Application of modern marketing techniques to the hospitality industry. Planning and execution of marketing strategy — topics include consumer demand, marketing intelligence and planning, advertising and direct mail, outside and in house selling, and trade and industry associations. Prerequisites: HOS 390, MKT 306. (Spring)

400 Hospitality Information Systems (3)

Hotel and other service-related computer applications, including computer-assisted processing, reservations, reporting and specialized accounting techniques. Basic computer hardware and software concepts to enable managers to communicate with data processing personnel. Prerequisites: HOS 390, HOS 391, 392, MGT 211 (Fall)

444 Hospitality Practicum (3)

Fieldwork in an organization for on-the-job skill development. Normally supervision is provided by a qualified individual in the organization, with frequent consultation by a faculty sponsor. A written report is required of the student. Practicums may be part-time or full-time, but require a minimum of 400 hours of practicum experience. Prerequisites: HOS 391, HOS 392. (Fall)

491 Seminar in Hospitality Management (3)

Analysis and synthesis of current problems in hospitality management that are not otherwise covered in the regular curriculum. Interaction will be planned with faculty and select industry executives. Prerequisites: HOS 391, HOS 392, HOS 400. (Spring)

Course Descriptions — Management Prefix: MGT**211 Management Science (3)**

Quantitative modeling techniques including payoff matrices, decision trees, simulation, forecasting, project planning, inventory, waiting lines and linear programming along with applications. Prerequisites: MAT 108, MAT 152, CAT 110; CAT 120; CAT 130. (Fall, Spring, Summer)

305 Management Concepts and Applications (3)

Elements of the management process; decision-making, planning, organizing, directing, controlling; the art and science of managing modern organizations; the general scheme of operations and management functions. A computer management simulation, included as part of the curriculum, adds a practical dimension to the academic materials and real world atmosphere. Prerequisites: ACC 201, 202, ECO 201, 202, MGT 211. (Fall, Spring, Summer)

325 Operations Management (3)

Study of processes used to efficiently and effectively transform resources into goods and services. Process types, capacity planning, inventory systems, workforce utilization and quality management to produce defect-free, competitive products and services delivered on time. Prerequisites: MGT 211, 305; MKT306. (Spring)

352 Human Resource Management (3)

The focus of this survey course is to equip the prospective manager with an understanding of the issues involved in effective management of staff. Topic areas discussed include human resource planning, recruitment selection, training/development, EEO, performance evaluation, quality of work life and labor-management relations. Prerequisites: ECO 202, MGT 305. (Spring)

400 Management Information Systems (3)

Study of information systems management including the topics of planning, control, organization, systems analysis and design. A survey of computer technology. Discussion of systems design for the functional areas. Prerequisites: CAT 110/120/130 (or equivalent), ACC 202, MGT 305; Senior status. (Fall)

409 Organizational Communication and Behavior (3)

Intensive exploration of the skills and application of effective communication, emphasis on report writing, and oral presentation. Perceptual process of managing conflict interpersonal communication, group behavior and decision making; problem-solving and applied motivation, job design. Prerequisite: MGT 305. Senior Status. (Fall)

427 Managerial Decision Making

Application of the basic concepts of computer simulation, decision theory and decision support systems to practical managerial problems. Use of computer packages and games. Prerequisites: MGT 305, MIS 215. (Fall)

428 Entrepreneurship

Study of the creation of new businesses including business organizations, identifying opportunities, preparing a business plan, sources of finance and launching a new business. Prerequisite: MGT 305, MKT 306, FIN 319. (Spring)

Course Descriptions — Marketing Prefix: MKT**306 Marketing Concepts and Applications (3)**

Elements of the marketing function in bringing the organization's goods and services from the producers to the consumer. Prerequisites: ACC 202; ECO 202; MGT 211. (Fall, Spring, Summer)

381 Marketing Research (3)

Quantitative and analytical tools and techniques that are used for studying marketing data and formulating marketing strategies and tactics. Prerequisites: MAT 152, MGT 211, MKT 306. (Fall)

382 Advertising (3)

Advertising in its social, economic and management contexts; advertising research; preparing advertising campaign, appropriations and selection of media; layout, copy, and printing/engraving methods. Prerequisite: MKT 306, or permission from the Dean. (Spring)

383 Sales Management (3)

Problems of sales management, sales policies, selection and training of sales persons, preparation of manuals, methods of compensation for sales force, various methods of sales stimulation, administration, and budgeting, measuring the salesmanager's contribution to profitable operations. Prerequisites: MGT 305, MKT 306. (Fall)

384 Retailing (3)

Retail store management, location, buying, merchandise control, policies, customer relations; pricing, expenses and profits, inventory and layout; administrative problems. Prerequisites: MGT 305; MKT 306. (Spring)

385 Consumer Behavior (3)

An analysis of the actions and decision processes of individuals and organizations involved in discovering, evaluating, acquiring, consuming and disposing of products and services. The disciplines of Marketing, Psychology and Sociology will be used to understand how consumer behavior is the basis for management decision making. Prerequisite: MKT 306. (Fall)

402 Marketing Management Problems (3)

Development of managerial decision-making techniques and problem-solving through practice in analyzing practical marketing cases. Prerequisites: MGT 305, MKT 306. Senior status. (Spring)

Course Descriptions — Management Information Systems Prefix: MIS**203 Computer Programming Concepts and Techniques**

A study of the fundamental concepts underlying problem-solving using computer languages. This course will cover efficiency, writability, readability, maintainability, and portability of computer software. The course is built on the principle of structured programming and is a foundation for the study of both high and low level languages and their applications. (Fall)

215 Administrative Applications of Computers (3)

The course will use a case study approach to develop extensive business applications. These applications will demonstrate advanced techniques with both database and spreadsheet software packages. Prerequisite: CAT 110/ 120/130 (Fall, Spring, Summer)

301 COBOL Programming (3)

DPMA-CIS-2 Equivalent. Introduction to computer programming in a business environment. Emphasis on the fundamentals of structured program design, development, testing, implementation, and documentation of business-oriented applications using COBOL. Prerequisite: CAT 110/120/130. (Fall)

302 Advanced COBOL Programming (3) (Formerly CDP 325)

DPMA-CIS-3 Equivalent. A continuation of CIS 301. Includes coverage of sequential and random access files and processing techniques and development of programs and systems of programs for batch and interactive environments. Prerequisite: MIS 301. (Spring)

307 Introduction to System Software

A study of computer systems software, including operating systems functions such as memory management, concurrent processes and scheduling. Major emphasis on the UNIX and VMS operating systems. Prerequisite: MIS 203 (Fall, Spring)

400 Information Systems Analysis (3)

DPMA-CIS-4 Equivalent. Study of life cycle and prototyping methodologies used to develop, implement and maintain computer-based information systems. Discusses transaction processing, management information and decision-support systems. Includes case studies and team presentations. Prerequisite: CAT 110/120/130. (Spring)

412 Applied Software Development Project I (3)

DPMA-CIS-7 Equivalent. Application of computer programming and system development concepts, principles and practices to a comprehensive system project. Use of project management methods, project scheduling and control techniques, formal presentations and group dynamics. Development of data base to support the system. Prerequisites: MIS 301. (Fall)

428 Computer Communications and Networks

Students are introduced to the fundamental principles of data communications and networks. Topics to be covered include local area networks, wide area networks, telecommunications management, communications protocols, security and system models. Prerequisite: MIS 203. (Spring)

433 DataBase Management Systems (3)

DPMA-CIS-6 Equivalent. Discussion and application of data structures, indexed and direct file organizations, models of data including hierarchical, network and relational. Discussion of storage devices, data administration and data analysis, design and implementation. Prerequisite: MIS 400. (Spring)

ADRIAN DOMINICAN SCHOOL OF EDUCATION

Evelyn Piche, O.P., Ph.D., Dean.

Faculty: Bohning, Burke, Cafolla, Carneal, Hale, Higginbotham, Hollywood, Jackson, LeBlanc, Levine, Miller, Owens, Powell, Rice, Sacks, Shannon, Siena, Superfisky, Tullios, Williams.

The Adrian Dominican School of Education offers programs leading to the degree of Bachelor of Science. Graduate work is offered leading to the degree of Master of Science (M.S.), the degree of Specialist in Education (Ed.S.) and the degree of Doctor of Philosophy (Ph.D). Programs in the Adrian Dominican School of Education are approved by the Department of Education of the State of Florida as standard teacher training programs, and because of Florida's reciprocal certification agreement graduating students are eligible for teacher certification in most states.

The purpose of degree programs in the Adrian Dominican School of Education is to offer students education which will prepare them for work as professional teachers, counselors, and leaders. The programs, designed to promote the objectives and purposes of the University, focus specifically on the function of the teachers, counselors, and other professionals in contemporary society.

ELEMENTARY AND EARLY CHILDHOOD (PRIMARY) EDUCATION MAJOR

This program, which prepares students for teaching careers in the elementary school, emphasizes both general and professional courses.

General Preparation

Theology and Philosophy:	9 credits.
Communications:	English 111 and 112; Speech 101 or 312.

Science and Mathematics:	Mathematics 201 and 202; 3 credits in Science.
Social Sciences:	History; Sociology 201
Human Adjustment:	Psychology 281.
Humanities and Applied Arts:	English 320; Art 376; Music 376.
Computer Education:	CED 410.

Professional Education

Major (60 cr.) – EDU 151, 218, 322, 344, 362, 366, 388, 410, 414, 417, 435, 441, 465, 466, 470, 472, 499, ENG 320. Prerequisites for student teaching: EDU 151, 218, 322, 362, 366, 388, 435, 466.

COMPUTER EDUCATION

The Adrian Dominican School of Education offers students at Barry University an opportunity to take a number of undergraduate computer education courses. These courses give students expertise in the field of computer technology as it applies to education.

At the time of printing this catalog the Bachelor of Science degree program for Computer Education was not finalized. It is projected that by Fall 1991 the Computer Science Education program will commence.

EDUCATION MINOR

Students may choose education as a minor **ONLY IF** they are majoring in a field which is both a state and University approved program for teacher education.

Major (a minimum of 30 cr.) – Requirements for major in teaching field, including the special methods course (476) related to the specific discipline.

Minor (24 cr.) – Secondary Education – Education 151, 218, 417, 463, 468, 499. Prerequisites for student teaching: Education 151, 218, 463, and Special Methods 476.

ADMISSION TO THE SCHOOL OF EDUCATION

Declaration to enter the teaching profession represents informal admission to the Adrian Dominican School of Education. Candidacy is considered formal admission to a Teacher Education Program and to the Adrian Dominican School of Education. Both education majors and minors must be accepted as candidates to the School before they are allowed to enroll in more than 12 hours of professional education courses. Transfer students may enroll in Education courses for only one semester without having been formally accepted into a Teacher Education Program. Candidacy application forms are available from the Office of the Dean, Adrian Dominican School of Education, Garner 234.

Prerequisites for Candidacy

Students must meet the following requirements before applying for candidacy:

1. A grade of C or better in the written English components of the distribution requirements.
2. A grade of C or better in one of the following mathematics components:
 - a. Math 201 and Math 202.
 - b. Math 101. (Education minors)
 - c. Six semester hours of college level mathematics.
3. Successful achievement of a minimum score of either 840 on the SAT or 21 on the enhanced ACT.

GRADUATION REQUIREMENTS

1. Successful completion of graduation requirements for undergraduates as identified under Academic Information in this catalog.
2. Successful completion of the core Education curriculum and the required courses for the Education major or minor with a C or better in each professional Education course and an overall GPA of 2.5.
3. File appropriate materials for graduation with the Registrar.

STUDENT TEACHING

The student teaching program represents the culminating phase in teacher preparation and consists of a carefully planned sequence of laboratory experiences under the supervision of professional educators. During student teaching, a full time schedule (a minimum of 12 credits) must be carried by the student. Passing of all sections of the Florida Teacher Certification Examination is required for credit in student teaching.

Prerequisites for Student Teaching — Students must participate in the Florida Teacher Certification Examination and achieve a satisfactory score on the CLAST prior to receiving a student teaching assignment.

Admission to the student teaching program also requires senior status (a minimum of 90 credits of course work completed), a minimum grade point average of 2.5 and a grade of C or better in all required professional Education courses.

Prior to student teaching, courses required to meet the general preparation requirements should be taken to assure that the student will not have to delay graduation. All students must have completed a minimum of 30 credits at Barry prior to student teaching. Prerequisites for student teaching in specific programs are listed under program descriptions.

Students must earn a C or better in student teaching in order to successfully complete their Education major or minor.

Course Descriptions – Education Prefix: EDU

151 Introduction to Education (3)

Surveys the principles of education with emphasis on school and society, history and philosophy of education. Field experience.

218 Educational Psychology (3)

Applies the principles of psychology to the field of education. Examines innate and acquired forms of behavior control, motivation of learning, transfer of training, individual differences in intelligence and achievement, evaluation and measurement. Field experience. Prerequisite: EDU 151 or equivalent.

263 Organization and Use of Audio-Visual Materials (3)

Presents the selection and use of audio-visual aids. Explores community resources and trains for effective organization and distribution of learning materials appropriate to various age levels.

320 Children's Literature (3)

Surveys the literature suited to the needs of children. See ENG 320.

322 Methods of Teaching Reading (3)

Surveys the methods of teaching reading and the strategies and materials appropriate for use at the primary and elementary levels. Field experience includes teaching reading lessons at the appropriate grade level.

344 Teaching Health and Physical Education in the Primary/Elementary School (3)

Examines the methods, materials, content material, and organizational procedures for conducting primary/elementary school health and physical education programs; practice in teaching activities in primary/elementary school health and physical education programs. Field experience.

362 Teaching Arithmetic (3)

Investigates the content, methodology, and materials for teaching modern mathematics in the primary/elementary school; field experience required in a primary/elementary school mathematics program. Prerequisite: MAT 201 or equivalent.

366 Teaching Social Studies in the Primary/Elementary School (3)

Examines the content, materials, and methodology in the social science field needed for the instruction of primary/elementary children. Field experience.

388 Teaching Science in the Primary/Elementary School (3)

Examines the principles and methods of selecting and organizing suitable science experiences for primary/elementary school children. Emphasis on process skills, hands-on activities, field trips, and active participation. Field experience.

409 Multiculture Primary Education (3)

Studies the national and international dimensions of cultural diversity in order to develop the understandings for coordinating primary school curriculum and instruction appropriate for a cultural pluralistic school setting.

410 Multiculture Elementary Education (3)

Studies the national and international dimensions of cultural diversity in order to develop the understandings for coordinating elementary school curriculum and instruction appropriate for a cultural pluralistic school setting.

411 Speech Correction for Children (3)

Presents an elementary, non-technical course in speech correction for the teacher who works with speech handicapped children in the classroom. See SPE 411.

412 Teaching the Elementary Mainstreamed Exceptional Student (3)

Offers an introduction to exceptional student education in the elementary years for those preparing for regular classroom teaching. Presents procedures for instructing elementary school students mainstreamed in the regular classroom.

414 Classroom Management (3)

Examines the techniques for the observation, description, measurement, and evaluation of student behavior. Ways to strengthen positive behavior and eliminate distracting non-productive negative behavior are applied in classroom situations. For preservice teachers K-6 an applied project at a specific grade or subject level is required.

415 Guiding Primary Learning (3)

Explores how young children learn and the factors influencing learning are the basis for designing instruction to facilitate primary learning. An application of the principles of learning is made to primary classroom situations.

416 Guiding Elementary Learning (3)

Applies learning theory relevant to the nature of children and the factors influencing learning for facilitating learning in the subject areas in the elementary classroom.

417 Evaluation and Measurement in Education (3)

Provides laboratory experience in designing classroom tests and writing test items. Examines group and individual tests as means of accountability and facilitating decision making.

435 The Teaching of Language Arts in Primary/Elementary Education (3)

Examines the methods and materials for instruction in all areas of the language arts curriculum in primary and elementary grades. Field experience.

436 Strategies for Primary Diagnostic-Prescriptive Instruction (3)

Develops a framework for diagnostic-prescriptive teaching in the primary classroom. Includes classroom organization practices and teaching strategies which implement the model.

437 Strategies for Elementary Diagnostic-Prescriptive Instruction (3)

Develops a framework for diagnostic-prescriptive teaching in the subject areas at the elementary level. Includes classroom organization, materials, and instructional strategies which implement the model.

438 Teaching the Primary Mainstreamed Exceptional Student (3)

Offers an introduction to exceptional student education in the primary years for those preparing to teach in the regular classroom. Presents strategies for instructing primary exceptional students mainstreamed in the regular classroom.

441 Primary/Elementary School Curriculum (3)

Examines the principles and problems in primary/elementary school curriculum. Offers practical experiences for the student in developing criteria for valid practices and curriculum changes.

442 Secondary School Curriculum (3)

Explores current trends in modern secondary school curriculum. Offers practical experiences in developing criteria for valid practices and curriculum changes.

462 Principles of Teaching and Testing (Primary/Elementary) (3) Introduces specific and general techniques which underlie teaching/learning in the primary/elementary school. Provides opportunities for students to receive critiques of the mini-lessons they present in class.

463 Principles of Teaching and Testing (Secondary) (3)

Introduces specific and general techniques which underlie teaching/learning in the secondary school. Provides opportunities to receive critiques of the mini-lessons they present in class.

465 Language Acquisition in Primary Education (3)

Deals with the fundamental concepts and questions of language acquisition from birth to nine years and relates those concepts and questions to the primary classroom. Field experiences observing children and their language and interacting with children through language is required.

466 Diagnostic Teaching of Reading in the Primary/Elementary Classroom (3)

Presents techniques of informal reading diagnosis, interpretation, and planning for individualized and small group instruction for the primary/elementary classroom. Prerequisite: EDU 322 or equivalent.

467 Foundations of Reading Instruction (3)

Surveys more advanced methods, techniques, and materials for teaching reading K-12, including current strategies and trends.

468 Reading in the Content Areas (3)

Presents strategies for developing students' reading abilities in the content area subjects at the primary, elementary, middle, and secondary levels. Focuses on the instructional materials and methods for subject area teaching in vocabulary, comprehension, study strategies, and text learning experiences. Examines informal evaluation techniques to meet individual differences in reading abilities and interests. Requires course projects and field experiences in specific area at appropriate grade level or subject area.

470 Introduction to Exceptional Children (3)

Explores the detection of physical, mental, and emotional exceptionalities in children and their educational provisions.

471 Psycho-Social Foundations in Primary Education (3)

Examines ways of improving understanding of the socialization process for children. Examines ways of conceptualizing and accepting responsibility for improving children's interpersonal relations. Examines the study and evaluation of the primary curriculum as it contributes to the development of social and emotional sensitivity.

472 Primary Programs and Practices (3)

Covers the foundations of the primary education curriculum; emphasizes building a basic curriculum related to perspectives of emotional, social, perceptual-cognitive, physical, and language development patterns. Addresses play, communication, integrating the arts, bilingualism, and multicultural issues. Observations at school sites are required.

478 The Learning Disabled Child (3)

Presents the causes of learning disabilities and how they affect children in their social, emotional, and intellectual development. Offers practical experiences in the study of how children learn control of movement, language, and thought.

481 Learning Strategies for Exceptional Student Education (3)

Explores specific procedures and methods for implementing learning strategies for teaching ESE students. Focuses on the strategies of teaching ESE students how to learn and how to perform academic tasks.

483 Educational Assessment of the Exceptional Child (3)

Presents methods of diagnosing and individualizing instruction in specific curricular areas of Exceptional Student Education. Examines alternate methods of diagnosis and prescriptive learning.

484 Reading Diagnosis (3)

Examines methods of diagnosing reading problems, interpreting tests, and identifying reading-learning needs (K-12). Prerequisite: EDU 322, 467 or equivalent.

490 Corrective Reading (3)

Determines and implements appropriate classroom teaching techniques, strategies, and materials to meet the learning needs of students with reading difficulties (K-12). Prerequisite: EDU 322, 467 or equivalent.

492 Workshop in Education (Variable)

Provides special interest areas developed from student needs and community requests. Number of credits depends on individual workshop requirements.

493 Child Study Skills for Primary Education (3)

Includes guidelines and techniques for observing, recording, diagnosing, analyzing, and prescribing for the personal, social, motor, language, and perceptual-cognitive development of primary children in a variety of child care and educational settings. Includes working with families and parents. Field experience.

499 Directed Student Teaching (9)

Provides the student teacher with on-the-job experiences under the supervision of a certified teacher and University personnel. Requires the synthesis and application of theory acquired in course work to realistic classroom situations. Prerequisites: Senior status, 2.5 GPA, C or better in all required education courses, participation in all sections of the FTCE, and a satisfactory score on the CLAST.

Course Descriptions — Computer Education Prefix: CED

300 Special Topics (3)

Provides the opportunity to investigate specific topics/issues. Content to be determined by the department to fill specified needs or interests of the students.

305 Teaching Computer Concepts and Skills (3)

Introduces the special problems and strategies for teaching computer languages and literacy concepts and skills to individuals of various backgrounds. Varying curricula, materials, and teaching methods will be investigated for appropriate computer applications.

410 Operating Microcomputers in the Classroom (3)

Prepares educators to understand and use computers for teaching and learning in educational environments. Utility software applications and selected software such as word processors, data base managers, and courseware generators will be investigated.

415 Microcomputing in the Curriculum (3)

Prepares teachers to use microcomputers in the classroom. Strategies and methods for integrating microcomputing within the elementary and secondary curriculum are explored. Teachers will have opportunities to explore a full range of microcomputer applications suitable for classroom use. Prerequisite: CED 410.

421 Computer Programming in Basic (3)

Prepares the teacher to program and use the BASIC language. The course is taught in a laboratory setting with extensive hands-on experience. Emphasis is on the preparation to teach BASIC in an educational environment. Prerequisite: CED 410.

445 Software Tools for Educators (3)

Provides an investigation of varieties of specialized software with respect to their benefits in developing materials and methods for the presentation and management of instruction. Prerequisite: CED 410.

476 Teaching Computer Science (3)

Introduces participants to the special problems and methods of teaching computer science to K-12 students. This course is intended primarily for Computer Education students. Prerequisite: Departmental approval by the Adrian Dominican School of Education.

SCHOOL OF NATURAL AND HEALTH SCIENCES

Sister John Karen Frei, O.P., Ph.D.,
Associate Vice President for Academic Affairs;
Dean, School of Natural and Health Sciences;
Professor of Biology

Faculty: Comiskey, Cummings, Davis, Duberceu-Haroon, Ellis, Ganter, Hays, Kocache, Martinez, Montague, Nadell, Nieves, Pantanella, Robleto, Sanborn, Stechschulte, Stewart, York.

The Academic Health Science Center and the Division of Biological and Biomedical Sciences were established in 1985. The Division was renamed in 1991 as the School of Natural and Health Sciences in order to integrate the life and health science programs into a cohesive academic unit from which to respond to the demanding needs of society for professionally competent scientists/health practitioners.

The undergraduate program offers a variety of career opportunities available through its majors. Special options available to qualified students include the MARC (Minority Access to Research Careers) Program, the MBRS (Minority Biomedical Research Support) Program, and the University's institutional membership in the School of Field Studies which offers summer courses around the world.

ALLIED HEALTH PROFESSIONS – “3 + 1” PROGRAMS

Allied Health is a term used to describe a range of occupations in which individuals have responsibility for assisting, facilitating, or complementing physicians and other specialists in delivering health care services to patients. Advances in the prevention and diagnosis of disease, in therapy and rehabilitation, and the need to cope with new

health and environmental concerns have increased demands for skilled personnel in allied health fields. A student entering these fields must possess certain attributes such as manual dexterity, reliability, moral character, and the ability to remain calm, courteous, and efficient under adverse conditions and stressful situations.

Barry offers a choice of four different "3 + 1" programs for those students seeking to meet the growing demands in these fields: Medical Technology, Cytotechnology, Diagnostic Medical Ultrasound Technology, and Nuclear Medicine Technology.

Medical Technology

A student majoring in medical technology must meet the following requirements: Biology 112, 116, 230, 325, 330, 334, 341, 346. Also required as part of the program are Chemistry 111, 112, 243, 321; Math 109, 110, 211; Physics 151; and the distribution requirement. After successfully completing this 90-credit program, the student may apply for a twelve – fifteen month period of academic and clinical training in a School of Medical Technology approved by the American Medical Association and the American Society of Clinical Pathologists. The University will grant 30 semester hours of credit for the internship program. At Mt. Sinai Hospital, course credit assignment is as follows: Clinical Microbiology 7 credits, Immunology 7 credits, Clinical Chemistry 7 credits, Hematology 7 credits, Special Topics in Medical Technology 2 credits. Upon completion of the twelve-month internship, the student receives a Bachelor of Science degree with a major in Medical Technology. Students must apply individually for the year of clinical training. Schools of Medical Technology selectively admit qualified students on an individual basis.

Cytotechnology

A student majoring in Cytotechnology must meet the following requirements: Biology 116, 230, 240, 253, 341, 346, 450, 451 (recommended). Also required as part of the program are 12 semester hours of Chemistry including Chemistry 152; 6 semester hours of Mathematics; a minimum of 4 semester hours of Physics (PHY 151 or 201-202) and the distribution requirement. After successfully completing this 90-credit program, the student must complete the course of instruction at an approved school of Cytotechnology. The University will grant 30 semester hours of credit for the internship program. Barry University is affiliated with Jackson Memorial Hospital. Upon completion of the 12-month internship, a Bachelor of Science degree will be awarded with a major in Cytotechnology. Students must apply individually for the year of clinical training. Schools of Cytotechnology selectively admit qualified students on an individual basis.

Diagnostic Medical Ultrasound Technology

To facilitate the varying professional needs of the diagnostic medical sonographer, two tracks of study have been established within the diagnostic medical ultrasound technology major. Track 1 has been designed for the student whose aptitude and/or interest lies more heavily in the sciences. These students are required to meet the following requirements: Biology 116, 230, 325, 330, 334, 341 and 451. Also required as part of the program are Chemistry 111, 112, 243, 321; Mathematics 109, 110, 211; 4 semester hours of Physics; and the distribution requirements. Students in Track 2 are required to meet the following requirements: Biology 116, 220, 240, 253, 341 and 451; Chemistry 111, 112; 3 semester hours of Mathematics; a minimum of 4 semester hours of Physics (PHY 151 or 201-202); a minimum of 6 upper level semester hours of Psychology; and the distribution requirements. After successfully completing this 90-credit program the student must complete the course of instruction at an approved school of Diagnostic Medical Ultrasound Technology. The University will grant 30 semester hours of credit for the internship program. Barry University is affiliated with Mt. Sinai Hospital and Jackson Memorial Hospital. Upon completion of the 12-month internship, a Bachelor of Science degree will be awarded with a major in Diagnostic Medical Ultrasound Technology. Students must apply individually for the year of clinical training. Schools of Diagnostic Medical Ultrasound Technology selectively admit qualified students on an individual basis.

The first 90 semester hours of work based at Barry University may be completed on a full- or part-time basis.

Nuclear Medicine Technology

To facilitate the varying professional needs of the nuclear medicine technologist, two tracks of study have been established within the nuclear medicine technology major. Track 1 has been designed for the student whose aptitude and/or interest lies more heavily in the sciences. These students are required to meet the following requirements: Biology 116, 230, 325, 330, 334, 341 and 450. Also required as part of the program are Chemistry 111, 112, 243 and 321; Mathematics 109, 110, 211; a minimum of 4 semester hours of Physics (PHY 151 or 201-202); and the distribution requirements. Students in Track 2 must meet the following requirements: Biology 116, 230, 240, 253, and 450; Chemistry 111, 112, and 321; 4 semester hours of Physics; and 21 semester hours of Computer Science; and the distribution requirements. After successfully completing this 90-credit program, the student must complete the course of instruction at an approved school of Nuclear Medicine Technology. The University will grant 30 semester hours of credit for the internship program. Barry University is affiliated with Mt. Sinai Hospital and Jackson Memorial Hospital. Upon completion of the 12-month internship, a Bachelor of Science degree will be awarded with

a major in Nuclear Medicine Technology. Students must apply individually for the year of clinical training. Schools of Nuclear Medicine Technology selectively admit qualified students on an individual basis. The first 90 semester hours of work based at Barry University may be completed on a full- or part-time basis.

BIOLOGY

Biology Major (including Pre-Medical, Pre-Dental, Pre-Podiatry, Pre-Veterinary programs)

Barry's undergraduate biology program provides students with the opportunity to prepare for a number of career goals. Possible alternatives include graduate study; teaching; medical, dental, podiatric and veterinary school; medical technology; and various careers in research.

A major requires a minimum of 35 credits including Biology 112, 116, 341, and at least one course from each of the following Core areas:

1. Growth and development: Biology 225 or 230
2. Cellular and molecular biology: Biology 325 and 330
3. Physiological and biochemical principles: Biology 334 or 335
4. Environmental biology: Biology 305 or 310 or 312
5. Biological Theory: Biology 320 or 440 or 475

Students planning to teach at the secondary level add Biology 476. Students majoring in pre-professional biology must minor in either chemistry or mathematics. In any event they must include the following: Chemistry 111-112 and 243-244; Math 109, 110 and 211. In addition, 8 semester hours of Physics are required. Enrollment in the freshman biology courses is determined by achievement on the placement test. This test is required at the time of first enrollment for all new freshman majors. Biology majors (including the marine science track and non-preprofessional Track I and II) are required to achieve a satisfactory score on the Graduate Record Examination or on the Medical College Admission Test, the Dental Aptitude Test, or other approved standardized pre-professional examination. Graduation Requirements for all Biology majors include giving a senior presentation and providing a student activity form to the senior academic advisor.

Biology Major (Marine Science Track)

Barry's undergraduate Biology program, with a concentration in Marine Sciences, provides students with the opportunity to prepare for a number of career goals. Possible alternatives include graduate study; teaching; opportunities in governmental agencies and utilities; as well as various careers in research.

49 credit hours in Biology are required for this major including Biology 112, 116, 320 and courses from the following core areas:

1. Growth and development: Biology 225 or 230
2. Cellular and molecular biology: Biology 325 and 330

3. Physiological and biochemical principles: Biology 335
4. Environmental and marine biology: Biology 305, 310 and 435

Students in the Marine Science track are recommended to take: Biology 340, 400 and 440 or 475, and must also fulfill the following Chemistry and Math requirements: Chemistry 111, 112, 243, and 321; Mathematics 109, 110, and 211. A satisfactory score on an approved, standardized, preprofessional examination is also required.

Biology Major (excluding Pre-Medical, Pre-Dental, Pre-Podiatry, Pre-Veterinary programs)

Barry provides an undergraduate biology program providing students with the opportunity to prepare for a number of career goals. Possible alternatives include teaching, technical positions in laboratory and research centers; positions in business, industry, biological illustration, computer science and other areas requiring a biological background. Track I or Track II requirements may be chosen as listed.

Track I

40 credit hours in biology are required for this major including Biology 112, 116, and at least one course from each of the following core areas.

1. Growth and development: Biology 220 or 230
2. Cellular and molecular biology: Biology 253, 325 or 330
3. Physiological and biochemical principles: Biology 240 or 335
4. Environmental biology: Biology 305 or 310 or 312
5. Biological Theory: Biology 320 or 440 or 475

Students in this program must complete 12 additional semester hours of Biology electives.

Students in this program must include 12 hours in chemistry and 9 hours in mathematics. Physics 151 is recommended. Majors are required to achieve a satisfactory score on the Graduate Record Examination or MCAT.

Track II

31 credit hours in biology are required for this major including Biology 112, 116 and at least one course from each of the following core areas.

1. Growth and development: Biology 220 or 230
2. Cellular and molecular biology: Biology 253, 325 or 330
3. Physiological and biochemical principles: Biology 240 or 335
4. Environmental biology: Biology 305 or 310 or 312
5. Biological Theory: Biology 320 or 440 or 475

Students in this program must complete 4 additional semester hours of Biology electives.

Students in this program must include a minor in an approved area such as Business, Computer Science, Photography, Art, Telecommunications; 12 hours of Chemistry and 9 hours of Mathematics. Physics 151 is recommended.

Biology Minor

A minor in biology requires 20 credits including one lab course.

Exercise Science Minor

Students desiring a minor in Sports Medicine - Exercise Science, must meet the following requirements: SMD 320, 350, 360, 420, 440, and 460.

Human Biology Minor

A minor in Human Biology requires 20 hours in Biology selected from: BIO 103, 116, 220, 240, 253, and selected 300 special topic courses.

Marine Science Minor

A minor in Marine Sciences requires 20 hours in Biology including: Biology 112, 116, 225 and 330.

Other Divisional Requirements

Students who have achieved junior status must maintain a 2.5 (C+) average in their major. Majors may not include toward graduation the credit for a biology course in which they have received a grade of D. The course may be repeated in order to raise the grade or it may be replaced by another course of the same kind, i.e., a Core course can be replaced by a Core course, an elective course can be replaced by another elective course. Students must have demonstrated progressive achievement in Mathematics and Chemistry by the end of the freshman year to remain in the division.

Course Descriptions – Biology Prefix: BIO

101-102 General Biology I and II (1-6)

Organized according to modules; student may elect as many as three modules during one semester; content of the module may change each semester and is announced during the semester prior to registration; typical modules have included Cell Biology, Developmental Biology, Ecology, Florida's Environment, and Introductory Genetics.

103 Biological Crisis (3)

Current critical areas in biology; typical areas have included Energy Crisis, Disease Crisis, Alcoholism, Drug Addiction, Heart Disease and Mental Health.

112 Botany (Lecture 3, Lab 1)

Plant forms: correlating structure, function, and environment. 3 hours lecture, 2 hours laboratory weekly. (\$35 fee) Prerequisites: Successful completion BIO 116 for Section I.

116 Zoology (Lecture 3, Lab 1)

Animal kingdom including basic facts and principles of the anatomy, physiology, embryology, evolution, and heredity of the major groups. 3 hours lecture, 3 hours laboratory weekly. (\$35 fee) Prerequisites: Placement in MAT 100B, acceptable score on the Biology Placement Test.

120 Biology Overview for Majors—Section 01 (3)

Intended as the first biology course for biology majors who do not have a strong biology background.

120 Biology Overview for Non-majors—Section (02) (3)

For students curious about the living world. Includes an introduction to the systems comprising the human body, recent advances in biology, and man's relationship with the natural world.

202 Human Population Biology (Lecture 3, Lab 1)

Theoretical and applied aspects of population dynamics, with particular emphasis on the major physical, chemical, biological, social and economic factors that influence human populations. Three hours lecture weekly.

220 Introductory Human Anatomy (Lecture 3, Lab 1)

Gross human anatomy with laboratory, including dissection of the mink. 3 hours lecture, 2 hours laboratory weekly. (\$40 fee)

225 Comparative Anatomy (Lecture 3, Lab 1)

Gross comparative vertebrate anatomy with laboratory, including dissection of 5 representative vertebrates. 2 hours lecture, 4 hours laboratory weekly. Prerequisites: Biology 116 or equivalent. (\$40 fee)

230 Human Anatomy (Lecture 3, Lab 1)

Gross human anatomy with laboratory, including dissection of the mink. 2 hours lecture, 4 hours laboratory weekly. (\$40 fee)

240 Introduction to Human Physiology (Lecture 4, Lab 1)

Survey of the functions of the organ systems in the human body. 4 hours lecture, 2 hours laboratory weekly. Prerequisite or corequisite: Biology 220. (\$45 fee)

245 Neuroanatomy (3), (4) for PHT majors

A comprehensive study of the human nervous system and the central role it plays in the innervation of both thought and action.

247 Kinesiology (3)

The study of biomechanical principles in the actions of muscles working together to produce movement, with emphasis on the compensatory movements that may occur when normal patterns are interrupted. (Restricted to OTR, PHT majors.)

253 Introductory Microbiology (Lecture 3, Lab 1)

Characteristics, physiology, pathogenicity of bacteria and viruses, with emphasis on organisms important in human disease; methods of cultivation, identification, and control of microorganisms. 3 hours lecture, 3 hours laboratory weekly. Prerequisite or corequisite: Chemistry 152. (\$45 fee)

300 Special Topics (3)

Content to be determined by the Division as requested by faculty and/or students to fill specified needs or interests. Prerequisite: Biology 101, 102 or 103 or divisional approval.

305 Introduction to Oceanography (3)

Review of major physical and chemical variables in the marine environment. 3 hours lecture weekly. Prerequisites: Chemistry 111-112; Physics 201-202.

310 Marine Biology (Lecture 3, Lab 1)

Common marine organisms of the littoral seas, coral reefs, and open ocean; interrelationships and problems of adaptation and survival. 3 hours lecture, 3 hours laboratory weekly; field trips by announcement. Prerequisite: Biology 116. (\$30 fee)

312 Ecology (Lecture 3, Lab 1)

Plants and animals in relation to their environments; population, communities, ecosystems, and behavioral patterns, utilizing many of the natural areas provided, such as coral reefs, hammocks, everglades. 3 hours lecture, 3 hours laboratory including field work and research projects. Prerequisite: Biology 112 and 116. (\$30 fee)

320 Invertebrate Zoology (Lecture 3, Lab 1)

Structure, classification, and embryology of the major invertebrate metazoan Phyla with emphasis upon the marine forms. 2 hours lecture, 4 hours laboratory weekly. Prerequisite: Biology 116. (\$45 fee)

325 Microbiology (Lecture 3, Lab 1)

Bacterial and viral classification, structure, physiology, genetics, pathogenicity and immunology; methods of cultivation, identification, and control of microorganisms. 3 hours lecture, 3 hours laboratory weekly. Prerequisites: Biology 112 or 116; Chemistry 152 or 243. (\$45 fee)

330 Cell Biology (Lecture 3, Lab 1)

Biological processes in plant and animal cells and appropriate examples from viruses and bacteria, with emphasis on the correlation between structure and function on the molecular level. 3 hours lecture, 3 hours laboratory weekly. Prerequisite: Biology 112, 116 and 253 or 325; Chemistry 152 or 243. (\$45 fee)

334 Human Physiology (Lecture 3, Lab 1)

Comprehensive study of the functioning of the major organ systems of the human. 3 hours lecture, 2 hours laboratory weekly. Prerequisites: Biology 225 or 230, 330; Chemistry 243. (\$45 fee)

335 Comparative Physiology (Lecture 3, Lab 1)

Comparative study of homeostatic mechanisms in animals with special emphasis on vertebrates. 3 hours lecture, 2 hours laboratory weekly. Prerequisites: Chemistry 243. (\$45 fee)

340 Aquatic Botany (Lecture 3, Lab 1)

An examination mainly of pelagic marine and shelf metaphyta, brackish estuary, and freshwater plants, with emphasis on the life cycle, identification and structure of algae. 2 hours lecture, 4 hours laboratory weekly. Prerequisite: Biology 112. (\$45 fee)

341 Genetics (Lecture 3, Lab 1)

Principles of heredity, from classical breeding experiments to current molecular and recombinant DNA techniques; emphasis on inheritance in virus, bacteria, *Drosophila* and humans. 3 hours lecture, 4 hours laboratory weekly. Prerequisites: BIO 112, 116; CHE 152 or 243 or permission of instructor. (\$40 fee).

346 Parasitology (Lecture 3, Lab 1)

Morphology, taxonomy, identification, life history, host-parasite relationship, and control of protozoan, helminth, and arthropod parasites. 2 hours lecture, 4 hours laboratory weekly. Prerequisite: Biology 116 or equivalent. (\$30 fee)

347 Gross Anatomy (3) for OTR majors, (4) for PHT majors

Study designed to expose the student to the macroscopic aspects of human morphology. Completed dissection of a cadaver will be correlated with surface anatomy, radiology and other clinical information. Lecture and lab. (Restricted to OTR and PHT majors.)

349 Exercise Physiology and Biomechanics for Physical Therapists (4)

The physiological responses and adaptation of body systems to exercise stress are studied in conjunction with the functional anatomy and kinetic and kinematic analysis of movement. Covers analysis of manual gait as related to the physical therapist. (Restricted to PHT majors.)

352 Biochemistry (Lecture 3, Lab 1)

Molecular structure in the cell, biological oxidations, selected biosynthetic pathways, molecular genetics. Same as CHE 352.

400 Marine Physiology (2)

A study of the effects of exposure to increased pressure and other factors on the functioning of the various organ-system. Prerequisites: Biology 225 or 230 or 240.

420 Summer Field Study (6)

An opportunity for the student to work in the marine field for both individual and group projects. Prerequisite: 16 s.h. Biology course work. (cost variable)

435 Fisheries Biology (Lecture 3, Lab 1)

Ecology, dispersal and modes of life of fishes; Adaptations by larvae and adults to their environment; Economic aspects of fisheries. 3 hours lecture, 2 hours laboratory weekly. Prerequisite: Biology 116. (\$45 fee)

440 Evolution (3)

Evidence for and the principles involved in the evolution of plants and animals, including man. Prerequisites: Biology 112, 116, 230.

450 Histology (Lecture 3, Lab 1)

Microscopic study of animal tissues, with the relationship between structure and function stressed. 2 hours lecture, 4 hours laboratory weekly. Prerequisites: Biology 116 or equivalent; Biology 230; Chemistry 152 or 243. (\$35 fee)

451 Embryology (Lecture 3, Lab 1)

Vertebrate embryology, including gametogenesis, fertilization, the formation of the germ layers, and organ systems. 2 hours lecture, 4 hours laboratory weekly. Prerequisites: Biology 116 or equivalent, Biology 230. (\$30 fee)

475 Seminar (3)

Presentation of reports, discussions, lectures, and papers on selected topic(s) in biology.

476/576 Teaching of Biology in the Secondary School (3)

Problems confronting teachers of biology in the secondary school; organization of courses, sources of materials, textbooks, methods of teaching. Prerequisite: Divisional approval and candidacy in the School of Education.

480-485-490 Medical Technology (30)

Twelve- to fifteen-month period of academic and clinical training in a school of medical technology approved by the American Medical Association and the American Society of Clinical Pathologists.

481-482-491 Cytotechnology (30)

Twelve-month period of academic and clinical training in a school of cytotechnology approved by the American Society of Clinical Pathologists.

482-487-492 Nuclear Medicine Technology (30)

Twelve-month period of academic and clinical training in a school of nuclear medicine technology approved by the Council of Medical Education of the American Medical Association.

483-486-493 Diagnostic Medical Ultrasound Technology (30)

Twelve-month period of academic and clinical training in a school of diagnostic medical ultrasound technology approved by the Council of Medical Education of the American Medical Association.

259, 459 Independent Study (3) (3)

Opportunity for extensive study in areas of special interest to the student. Prerequisite: Divisional approval

295, 395, 495 Research (Semester hours will be arranged)

Investigation of an original research problem of special interest to the student; independent execution of chosen experimental work or library research; under direction of selected staff member. MARC scholars follow a special research program. (\$30 fee)

OCCUPATIONAL THERAPY

Occupational Therapy is a health care profession that uses "occupation," meaning purposeful activity, as a means of preventing, reducing or overcoming physical, social, and emotional disabilities in people of all ages. This weekend program is specifically designed to enable the working certified occupational therapy assistant to become a licensed professional.

Admission Requirements

Applicant should be a Certified Occupational Therapy Assistant (COTA) with an Associate of Arts or an Associate of Science degree; must have had no grade lower than a C in prerequisite and/or occupational therapy courses; and must have maintained an overall G.P.A. of 2.50 (on a four point scale). Persons with work experience in the

field will be given preference over those applicants lacking such experience. In addition, an A.A. or A.S. degreed person in a related health profession will be considered for admission. An admission interview is required.

Weekend Class Schedule

This weekend program is built upon a modified trimester plan. Classes begin in the Fall and run every other weekend, for nine weekends. The Spring trimester begins in January and runs every other weekend, for nine weekends, until May. The Summer session runs every other weekend in June and July.

Classes run from 9 a.m. to 5 p.m. on Saturday and Sunday, and the student may attain 9 credits by attending full time.

Program Requirements

Matriculating in the Academic Health Science Center, the student will be required to take 42 upper division credits in the Occupational Therapy Program, and up to 30 more credits in upper and lower division liberal arts coursework in order to fulfill the University's distribution requirements.

Already having Associate degrees, students will be granted advanced standing of up to 64 credits, 18 of which can be for their COTA coursework. (Students with four years of college experience will receive additional credits as indicated by established university policy.)

Prerequisites/Distribution

Prerequisite courses for the program will be Anatomy (BIO 230), Physiology (BIO 240), Neuroanatomy (BIO 245), Kinesiology (BIO 247), Gross Anatomy (BIO 347), Probability and Statistics (MAT 152), Abnormal Psychology (PSY 413), and Biomedical Ethics (PHI 453). However, additional courses may be required in order to meet the distribution requirements of the University if the student is lacking those courses. Because of the nature of the weekend program, these courses should be taken at the main campus.

For those applicants who are not certified occupational therapy assistants but who have a degree in a related health profession the following additional prerequisites are required:

- Introduction to Psychology (PSY 281 - 3 credits)
- Human Growth and Development (PSY 382 - 3 credits)
- Group Dynamics (PSY 300 - 3 credits)
- Fine Arts (ART 141 - 3 credits; 3 credits - elective)
- Introduction to Occupational Therapy (OTR 359 - 2 credits)
- Therapeutic Media (OTR 459a - 2 credits)
- Prosthetic/Orthotic Training (OTR 459b - 1 credit)
- Adaptive Equipment Training (OTR 459c - 1 credit)

Year One - Professional Program

- Fall:** OTR 310 Overview of Occupational Therapy Practice (3)
OTR 315 Childhood and Occupational Therapy Practice (6)
- Spring:** OTR 320 Adolescence and Occupational Therapy Practice (6)
OTR 325 Medical Science for Occupational Therapy Practice (3)
- Summer:** OTR 330 Fieldwork in Occupational Therapy Practice - Pediatric (3)

Year Two - Professional Program

- Fall:** OTR 400 Adulthood and Occupational Therapy Practice (6)
OTR 405 Advanced Treatment in Occupational Therapy Practice (3)
- Spring:** OTR 410 Maturity and Occupational Therapy Practice (6)
OTR 415 Synopsis of Occupational Therapy Practice (3)
- Summer:** OTR 420 Fieldwork in Occupational Therapy Practice-Adult (3)

Course Descriptions - Occupational Therapy Prefix: OTR

310 Overview of Occupational Therapy Practice (3)

An exploration of the knowledge and theories regarding human development related to occupational therapy practice with emphasis on developing professional skills in activity analysis, treatment planning, and problem solving.

315 Childhood and Occupational Therapy Practice (6)

A study of the developmental stages of childhood; the most prevalent pediatric disorders; and the appropriate assessment and intervention strategies.

320 Adolescence and Occupational Therapy Practice (6)

A study of the multiple problems in the transition from childhood to adulthood; the most common causes of dysfunction in this age; and the appropriate assessment and intervention strategies.

325 Medical Science and Occupational Therapy Practice (3)

The study of significant disabilities and diseases most often encountered by the occupational therapist, their etiology, pathology, prognosis, and medical treatment.

330 Fieldwork in Occupational Therapy Practice - Pediatric (3)

Supervised full-time internship in various approved agencies following the first year of professional course work.

359, 459 Independent Study (3) (3)

Opportunity for extensive study in areas of occupational therapy specialization of special interest to the student. Prerequisite: Approval of the Program Director.

400 Adulthood and Occupational Therapy Practice (6)

A study of the "passages" the adult must negotiate to attain maturity; the health related disorders commonly associated with this age; and the appropriate assessment and intervention strategies.

405 Advanced Treatment Techniques in Occupational Therapy Practice (3)

A practicum in the most current treatment modalities used in occupational therapy practice to ameliorate dysfunction and maximize adaptation in work, leisure, and self-help skills.

410 Maturity and Occupational Therapy Practice (6)

The study of the elements which contribute to the aging process; the disabilities associated with aging; and the appropriate assessment and intervention strategies.

415 Synopsis of Occupational Therapy Practice (3)

A study of the managerial skills and organizational knowledge essential to professional practice. Integrates professional training and reinforces professional competencies.

420 Adult Fieldwork and Occupational Therapy Practice (3)

Supervised full-time internships in various approved agencies following the second year of course work.

Fieldwork/Internship Locations:

ALLIED THERAPY ASSOCIATES

Hialeah, Florida

THE ASSOCIATION FOR RETARDED CITIZENS

OF PALM BEACH COUNTY

Riveria Beach, Florida

BOCA RATON COMMUNITY HOSPITAL

Boca Raton, Florida

BON SECOURS HOSPITAL/VILLA MARIA NURSING CENTER

Miami, Florida

CHARTER HOSPITAL OF MIAMI

Miami, Florida

CHILD STUDY CENTER

Fort Worth, Texas

CENTER FOR PEDIATRIC THERAPY

Coral Gables, Florida

CITRUS COUNTY SCHOOL BOARD

Inverness, Florida

CPC-FORT LAUDERDALE HOSPITAL

Fort Lauderdale

EASTER SEAL SOCIETY OF DADE CO.

Miami, Florida

FUNCTIONAL ABILITIES, INC.

Palm Harbor, Florida

GREENBRIAR NURSING CENTER

Miami, Florida

GREYNOLDS PARK MANOR, INC.

Miami Beach, Florida

HCA LARGO MEDICAL CENTER HOSPITAL

Largo, Florida

JIM HAMMOND THERAPY

Miami Beach, Florida

MARCOMP, INC.

Carrollton, Texas

MARY BRAY, INC.
Maitland, Florida
MERCY HOSPITAL AND MERCY OUTPATIENT CENTER
Miami, Florida
MOUNT SINAI MEDICAL CENTER
Miami Beach, Florida
NEW MEDICO NEUROLOGICAL REHABILITATION CENTER OF
PALM BEACH
West Palm Beach, Florida
NORTH FLORIDA INSTITUTE FOR REHABILITATION
Panama City, Florida
NORTH SHORE MEDICAL CENTER
North Miami, Florida
OCCUPATIONAL THERAPY REHABILITATION SERVICES, INC.
Ft. Walton Beach, Florida
REHABILITATION CENTER FOR CHILDREN AND ADULTS, INC.
Palm Beach, Florida
REHABILITATION INSTITUTE OF GEORGIA
Gainesville, Georgia
ROOSEVELT WARM SPRINGS INSTITUTE FOR REHABILITATION
Warm Springs, Georgia
SPAULDING REHABILITATION HOSPITAL
Boston, MA
SAINT JOSEPH'S MEDICAL CENTER
South Bend, Indiana
SCHOOL BOARD OF PALM BEACH COUNTY
West Palm Beach, Florida
SPACE COAST EARLY INTERVENTION CENTER
Palm Bay, Florida
ST. FRANCIS HOSPITAL
Miami Shores, Florida
SUN COAST HOSPITAL
Largo, Florida
TOURO INFIRMARY
Miami Shores, Florida
TREASURE COAST THERAPISTS, INC.
Vero Beach, Florida
TIMKEN MERCY MEDICAL CENTER
Canton, Ohio
UNITED CEREBRAL PALSY OF TAMPA BAY, INC.
Tampa, Florida
UNIVERSITY OF MIAMI/DEBBIE SCHOOL
Miami, Florida
VICTORIA HOSPITAL PARTNERSHIP
Miami Shores, Florida
WINGATE OAKS CENTER
Miami Shores, Florida

PHYSICAL THERAPY TRACK

Catherine Page, Ph.D., Director

Physical Therapy is a health care profession which fosters optimal health and functional abilities for people with movement dysfunctions. By applying scientific principles, the therapist assesses, corrects, prevents or alleviates dysfunctions in movement by evaluating and treating those who need physical rehabilitation.

This weekend program is specifically designed to enable the working adult who has a Bachelor's degree or is a physical therapist assistant to become a licensed physical therapist who can practice autonomously in rehabilitation, acute care, preventive, educational and research facilities. The physical therapy program offers a three year, entry-level Master's degree program leading to the B.S./M.S. academic degree in physical therapy. Only graduation from an accredited Physical Therapy Program will make the person eligible to sit for the licensure examination. Accreditation decisions are not made until the final term of the program. The program begins in the fall of each year and is divided into nine trimesters including full-time clinical affiliations.

A Bachelor of Science in Biology - Physical Therapy Track - will be awarded at the end of the student's second year at Barry as a transitional degree leading on to the Master's degree. The Bachelor's degree does not entitle the graduate to take the licensure exam.

Admission Requirements

Admission Requirements reflect a program structure as a combined five-year Bachelor of Science in Biology and Master of Science degree curriculum. To be eligible, applicants should have completed a Bachelor of Arts or Science degree from an accredited institution or be a graduate of an accredited physical therapist assistant program with an Associate of Arts or an Associate of Science degree from an accredited institution. The prerequisite course work must total a minimum of 64 credits with grades of "C" or higher in physical therapist assistant courses and prerequisite courses. Applicants must have maintained an overall GPA of 2.50 (on a four point scale). Three letters of recommendation are required. Each student's credentials must include:

Biology: 8 semester hours (i.e., Anatomy & Physiology)
Chemistry: 4 semester hours
Physics: 4 semester hours
English: 6 semester hours
Psychology: 6 semester hours
Math: 3 semester hours
Kinesiology: 3 semester hours (i.e., Biomechanics, Appl. Anatomy)

Foreign students must submit their scores on the Test of English as a Foreign Language (TOEFL). Applicants with work experience in the field of physical therapy will be given preference over those applicants with a degree or course work in a related science or health profession. Applicants will be accepted into the prerequisite year based on their credentials. A personal interview will be required before acceptance into the first professional year.

Graduate Program Requirements

The graduate program begins in the summer of the second year. A student must complete a minimum of 48 semester hours of graduate course work with a minimum GPA of 3.0 (B) with no more than 8 semester hours of C grade. Master of Science degree-seeking students must be admitted to candidacy for the degree before beginning the last year of graduate work. Requirements for candidacy are: 1) credible and current scores on the verbal, quantitative and analytical portions of the GRE; 2) recommendation by the faculty; 3) approval of the Director of the Program; and 4) completion of all undergraduate prerequisite and professional course work at Barry with an overall GPA of 2.8. A student will be allowed no more than a seven-year maximum to complete the program.

Weekend Class Schedule

This weekend program is built upon a modified trimester plan. Classes begin in the Fall and run every other weekend, for nine weekends from September to December. The Spring trimester begins in January and runs every other weekend, for nine weekends, until May. The Summer trimester of the prerequisite year runs for nine consecutive weekends in June and July. Both the basic and advanced clinical education courses require twelve weeks of full-time fieldwork.

Classes run from 6:30 p.m. to 8:30 p.m. on Friday and from 8:30 a.m. to 6 p.m. on Saturday and Sunday. The student may attain 12 credits per semester by attending full time.

Prerequisite Year:

Fall:	CHE 142 Chemistry for Allied Health Sciences THE 3XX Any Existing Course (3) PHI 353a,e,f, Biomedical Ethics (3) BIO 295 Research: Methods for the Health Professional (2)
Spring:	BIO 347 Gross Anatomy for Physical Therapists (4) PHI 353g,j,n, Biomedical Ethics (3) PHY 141 Intro Physics for Allied Health Sciences BIO 395 Research: Methods for the Health Professional (1)
Summer:	BIO 349 Exercise Physiology & Biomechanics for Physical Therapists (4) BIO 245 Neuroanatomy for Physical Therapists (4) ENG 300 Reports and Presentations: Physical Therapy (3) BIO 495 Research: Methods for the Health Professional (1)

Year One - Professional Program

Fall:	PHT 400	Childhood and Physical Therapy Practice (8)
	PHT 405	Overview of Physical Therapy Practice (4)
Spring:	PHT 410	Adolescence and Physical Therapy Practice (8)
	PHT 415	Medical Science for Physical Therapists (4)
Summer:	PHT 520	Basic Clinical Education (9)
	PHT 525	Research Seminar (3)

Year Two - Professional Program

Fall:	PHT 530	Adulthood and Physical Therapy Practice (8)
	PHT 535	Advanced Treatment in Physical Therapy Practice (4)
Spring:	PHT 540	Maturity and Physical Therapy Practice (8)
	PHT 610	Synopsis of Physical Therapy Practice (4)
Summer:	PHT 620	Advanced Clinical Education (9)
	PHT 630	Advanced Research Seminar (3)

Course Descriptions - Physical Therapy Prefix: PHT

PHT 400 Childhood and Physical Therapy Practice (8)

The study of the developmental stages of childhood. Contains the most prevalent pediatric disorders, and the appropriate assessment and intervention strategies.

PHT 405 Overview of Physical Therapy Practice (4)

An exploration of the knowledge and theories regarding physical therapy practice with emphasis on developing professional skills in problem solving and clinical decision making.

PHT 410 Adolescence and Physical Therapy Practice (8)

A study of the multiple problems in the transition from childhood to adulthood, the most common cause of dysfunction in this age, and appropriate assessment and intervention strategies.

PHT 415 Medical Science for Physical Therapists (4)

The study of significant disabilities and disease most often encountered by the physical therapist, their etiology, pathology, prognosis, and medical treatment.

PHT 520 Basic Clinical Education (9)

Supervised full-time clinical education internship experiences in various approved agencies following the first year of professional course work.

PHT 525 Research Seminar (3)

The students will develop skills in literature review and presentation, scientific method, single subject design, case study and systematic observation and measurement. Initial research based upon a format/hypothesis will be developed.

PHT 530 Adulthood and Physical Therapy Practice (8)

A study of the stages the adult must negotiate to attain maturity: the health related disorders commonly associated with this age, and the appropriate assessment and intervention strategies.

PHT 535 Advanced Treatment Techniques in Physical Therapy Practice (4)

A practicum in the most current treatment modalities used in physical therapy practice.

PHT 540 Maturity and Physical Therapy Practice (8)

The study of the elements which contribute to the aging process: the disabilities associated with aging; and the appropriate assessment and intervention strategies.

PHT 610 Synopsis of Physical Therapy Practice (4)

A study of the managerial skills and organizational knowledge essential to professional practice. Integrates professional training and reinforces professional competencies.

PHT 620 Advanced Clinical Education (9)

Supervised full-time advanced clinical education internship in various approved agencies following completion of all professional course work.

PHT 630 Advanced Research Seminar (3)

Research under the guidance of a faculty advisor. The goal is the completion of a supervised independent or group research project.

CARDIOVASCULAR PERFUSION CERTIFICATE PROGRAM

Skip Mallory, B.S., Director

Perfusion is the allied health field related to management of extracorporeal circulation during any long or short-term procedures requiring support or replacement of the patient's circulatory and/or respiratory functions.

Perfusion has grown from the era of the on-the-job trained "pump tech" for open heart surgery to a recognized and respected allied health profession demanding highly skilled specialists, educated and certified in the art and science of extracorporeal technology.

This program is designed to enable the working adult who has an Associate's Degree or better in a health science related field or who has graduated from an accredited allied health education program from an accredited institution to become eligible for certification as a Cardiopulmonary Perfusionist.

The curriculum takes sixteen months to complete. The seven-month didactic portion of the program is held Tuesday, Wednesday and Friday evenings, 5:30 p.m. to 10:00 p.m. and Saturdays, 8:30 a.m. to 5:30 p.m. on the main campus of Barry University. Clinical experience is obtained at various affiliated hospitals over a period of nine months, consisting of two adult rotations and one pediatric rotation.

Admission Requirements

Applicants must submit a completed application with a \$50 application fee. Applications must be submitted by July 1, 1991 for the September, 1991 class and by February 2, 1992 for the May, 1992 class. Applicants must have at least one year of working experience in a health related

field. Applicants must have maintained a grade of 2.50 (on a four point scale) in all prerequisite courses as well as an overall GPA of 2.50. Three letters of recommendation, one preferably from a Cardiothoracic Surgeon or Certified Clinical Perfusionist, are required. Applicants must also submit confirmation of observation of three open heart procedures. A personal interview will be required before acceptance into the program. Each applicant's credentials must include:

Biology: 8 semester hours of Anatomy & Physiology
Chemistry: 4 semester hours of General Chemistry
4 semester hours of Intro to Organic or Bio-chemistry
Math: 3 semester hours of Algebra

Admission to the Cardiopulmonary Perfusion Program does not guarantee progression to clinical perfusion courses. The faculty of the Cardiopulmonary Perfusion Program reserves the right of retaining and progressing those students who, in its judgment, satisfy the requirements of scholarship, health and personal suitability.

Financial Considerations:

Tuition for the 16 month program is \$15,000.00. A \$200 deposit is required upon acceptance. Additional costs are as follows: Text books estimated cost: \$500.00. Student membership in AmSect: \$25.00/yr. Beeper: Approximately \$25.00/month for nine months. A white, 3/4 length lab coat is required and must be worn in all classes. Students must be prepared financially to provide housing during the nine months of clinical experience should they be relocated. Financial assistance is available to students in the form of GSL and Pell Grants as well as scholarships from professional organizations.

Requisite Courses:

Embryology
Anatomy & Physiology for Perfusionists
Pathophysiology for Perfusionists
Medical Orientation
Research Methodology
Pharmacology
Biomedical Ethics and Medical-Legal Aspects
of Perfusion
Interpretation of EKGs
Cardiac Diagnostics and Pathophysiology
Principles of Perfusion
Perfusion Devices
Principles and Devices Lab.
Biomedical Instrumentation

Program Requirements:

Accepted students must be in general good health and without handicaps which would impair his/her ability to function as a perfusionist.

Proof of current immunization against Measles, Mumps, Tetanus, Polio, and Hepatitis B must be presented before the student will be allowed to progress to clinical status.

The matriculating student will be required to attend 13 hours of evening classes and 8 hours of Saturday classes for the seven-month didactic session.

Students must maintain an average grade of C in all courses. Students must maintain an overall GPA of 2.0 (on a 4- point scale).

Students must be able to relocate for the clinical portion of the course work.

Students must receive passing evaluation on 76% of the cases in which the student participates.

Students will be required to take emergency call with the faculty staff.

Students must maintain a student membership in American Society of Extracorporeal Technologists (AmSect), the national organization for perfusionists.

Academic Dismissal and Probation:

A student may not receive a grade below C in a CVP course.

A student may not receive a grade below C in more than one non-CVP course. If a student receives a D in a course, she/he will be allowed to progress in the program on probationary status. If a grade of F is received, she/he will be allowed to progress in the program on probationary status, but must retake the course with a minimum grade of C before a certificate of graduation will be awarded.

Any student withdrawing from or earning a grade lower than a C in any clinical perfusion course must have written permission from the Faculty Affairs Committee to continue in the course. The individual student's academic and advising records will be evaluated by the perfusion faculty. Depending upon this evaluation, the student may be allowed to continue in the clinical perfusion course on probationary status or be refused permission to continue in the program.

A student may only withdraw from or earn a grade lower than C in one clinical course and be allowed to continue in the program on probationary status, and then only with the permission of the perfusion faculty.

Students will receive a program handbook at orientation. This handbook will contain the program policies concerning all aspects of student achievement, behavior and expectations.

The program shall have two classes annually, with the first class beginning September 10, 1991 and the second beginning in May, 1992. Enrollment is limited to 17 students per class.

The school will seek Accreditation of the Cardiovascular Perfusion Program through the Committee on Allied Health Education and Accreditation when eligible. When the Program receives accreditation all graduates will be eligible to take the certification examination offered by the American Board of Cardiovascular Perfusion.

SCHOOL OF NURSING

Judith A. Balcerski, Ph.D., R.N., Dean.

Faculty: Beauchamp, Cather, DiPasquale, Epley, Fairchild, Geiss, Gottlieb, Hauri, Hayes, Hoover, Hopkins, Kaplan, Kelly, Lamet, Mercadante, Miller, Parns, Perkel, Schantz, Schoolcraft, Thomas.

Bachelor of Science in Nursing

The purpose of the nursing program is to offer students a baccalaureate education which will prepare them for professional nursing practice. The program, within a basic Judeo-Christian humanistic framework, aims to lay a foundation for safe nursing practice, the progression to positions that require beginning administrative skills without additional education, beginning skills in research, continued personal and professional growth, and graduate study in nursing. The program is approved by the Florida Board of Nursing and is accredited by the National League for Nursing.

The curriculum in the School of Nursing is process based on, and flows from, the belief that the practice of nursing is predicated on seven significant processes. These processes evolve from beliefs about human beings and their environment; Virginia Henderson's definition of nursing as a profession; and from the intellectual disciplines of natural and social sciences, psychology, education, administration, and the humanities. The seven processes which comprise the practice of nursing and upon which the undergraduate and graduate curriculums are based include: the change process, the communication process, the management process, the nursing process, the professionalization process, the research process and the teaching/learning process. At the end of the baccalaureate program in nursing students in each option will be able to:

- (1) utilize the change process to improve health care;
- (2) utilize the communication process with clients, families, and members of the health team in providing nursing care;
- (3) utilize the management process in health care delivery;

- (4) utilize the nursing process with clients, including individuals, families, groups, and communities;
- (5) demonstrate professional behavior in the performance of nursing practice;
- (6) utilize the research process to improve nursing practice; and
- (7) utilize the teaching/learning process in providing nursing care and promoting health.

The baccalaureate degree in nursing may be earned in any one of six distinct options: the Basic Option, the R.N. to B.S.N. Option, the R.N. to M.S.N. Option, the Accelerated Option, the Two-Year Transfer Option, and the L.P.N. to B.S.N. Option. The Basic Option is designed for students who are not registered nurses and who do not have a bachelor's degree in any other major. This option takes three to four years to complete. The R.N. to B.S.N. Option is for registered nurses who have either a diploma or an associate degree in nursing and takes two or three years to complete. A registered nurse with a bachelor's degree out of the field may be able to complete the program more rapidly. The R.N. to M.S.N. Option permits eligible registered nurses to enroll in graduate level courses in lieu of part of the R.N. to B.S.N. curriculum. The Accelerated Option is planned for the person who is not a registered nurse and who has earned at least a bachelor degree in any field, and may be completed in one to two years. The Two-Year Transfer Option is available for transfer students with 41 or more credits applicable to the nursing program requirements. This option takes two years including the intervening summer to complete. The L.P.N. to B.S.N. Option allows qualified L.P.Ns to test out of 12 credits in the nursing program to avoid unnecessary duplication of content. Students in all options complete similar programs and attain the same terminal objectives.

Admission to the School of Nursing does not guarantee progression to clinical nursing courses or graduation. The faculty of the School of Nursing reserves the right of retaining, progressing, and graduating those students who, in its judgement, satisfy the requirements of scholarship, health and personal suitability.

In addition to the degree programs, the School of Nursing is approved by the Florida Board of Nursing to provide non-credit continuing education offerings for registered and licensed practical nurses, and sponsors the Center for Nursing Science. The Center is designed to organize resources to direct and guide the advancement of nursing through theory based nursing research, practice, and education. The goals of the Center are to promote consultation, fortify links between practice and education, disseminate nursing knowledge, and create an environment that perpetuates scholarship

BASIC OPTION

Admission Requirements

In addition to general university admission requirements, the following criteria must be met by applicants to the Basic Nursing Option:

- (1) completion of high school or college courses in biology and chemistry (with laboratories) with a minimum grade of C in each,
- (2) completion of Algebra II or equivalent, with a minimum grade of C,
- (3) achievement of minimum total score of 850 on the SAT or 18 on ACT, and
- (4) achievement of a minimum of a 2.50 cumulative high school or college grade point average.

Progression to Clinical Courses

The following are the criteria for progression to the first clinical nursing course, NUR 225, which is taken in the sophomore year:

- (1) completion of human anatomy, microbiology, and biochemistry (with labs) with at least a C in each course;
- (2) attainment of a 2.00 (C) average in courses taken in the natural and behavioral science block;
- (3) attainment of a 2.00 (C) cumulative grade point average in all coursework taken at Barry;
- (4) completion of 30 credits of coursework applicable to nursing;
- (5) submission of evidence of health status acceptable for the practice of nursing and the yearly submission of a report of an examination indicating good mental and physical health; and
- (6) submission of a formal letter indicating compatibility of personal goals with the goals of the School and the University.

The following are policies regarding continued progression in nursing.

- (1) Physiology (BIO 240) must be taken prior to NUR 238, Nursing Concepts II. A student who receives a D or an F in physiology may repeat physiology while enrolled in Nursing Concepts II only with permission of the nursing faculty.
- (2) Pharmacology (NUR 215) must be taken concurrently with NUR 238, Nursing Concepts II.
- (3) Nutrition in Clinical Care (DIN 271) and Developmental Psychology (PSY 382) must be taken prior to Parent/Newborn Nursing (NUR 327).
- (4) Any student withdrawing from or earning a grade lower than a C in any clinical nursing course or NUR 215 must have written permission from the Student Affairs Committee to retake the course. The individual student's academic and advisee records will be evaluated by the nursing faculty. Depending upon this evaluation, the student may be allowed to repeat the nursing course or be refused permission to continue.

- (5) Only NUR 215 and/or one lab/clinical nursing course may be repeated and then only with the permission of the nursing faculty.

REGISTERED NURSE (R.N. TO B.S.N.) OPTION

Graduates of state-approved diploma and associate degree programs in nursing are eligible to apply for admission to the baccalaureate program in the Registered Nurse Option. The program followed by the R.N. students will be designed to be as flexible and responsive to individual student needs as possible within the constraints of curriculum, university and accreditation requirements, and quality educational theory. The length of the program for the R.N. student is dependent upon the amount of acceptable transfer credit, success in completion of CLEP, proficiency and NLN examinations, and part-time or full-time status. In most instances a minimum of two years should be anticipated for completion.

Admission to the R.N. to B.S.N. Option requires:

- (1) a cumulative G.P.A. of 2.5;
- (2) a current active license from the State of Florida, and professional liability insurance; and
- (3) an information and planning interview with an academic advisor for R.N. students.

Alternatives to Earn Credit

Requirements of the program are met through CLEP, NLN Mobility and Achievement Examinations or their equivalents, proficiency examinations, transfer, correspondence courses, or by enrolling in courses at Barry University. The student may also earn credit through the School of Adult and Continuing Education where courses are taught in a manner and in time blocks appropriate for the adult working student.

Proficiency Examinations

One way in which the R.N. student may receive credit for a course at Barry University is by the proficiency exam. For each specified course there is a study sheet available with course expectations. The student may obtain a study sheet from the School of Nursing (or appropriate office for non-nursing courses) and then sit for the exam. Proficiency exams are available for the following:

- CHE 152 Biochemistry
- BIO 220 Human Anatomy
- BIO 240 Physiology
- BIO 253 Microbiology
- NUR 483 Health Assessment

The examinations are taken for "CREDIT/NO CREDIT" and if a student achieves an acceptable score, "CREDIT" for the course will be given. If an acceptable score is not achieved, "NO CREDIT" will be given. This "NO CREDIT" will not go on a permanent record and will not affect the overall grade average. It does mean that the student must enroll in, and pass, the course. Proficiency exams may not be repeated. A fee of \$20 per credit (in place of tuition) must be paid to cover administrative costs.

NLN Mobility Profile II/Achievement Tests

R.N. students earn 32 nursing credits through examination by sitting for the NLN Mobility Profile II and the NLN Achievement Test. The testing series is designed to evaluate previous learning and experience. It includes five content areas in four test booklets. Credit by NLN exam is awarded as follows:

- NLN Book I: Care of the Adult Client (8 credits) in lieu of
NUR 238 Nursing Concepts II
- NLN Book II: Care of the Client During Childbearing and Care of
the Child (12 credits) in lieu of
NUR 327 Parent/Newborn Nursing
NUR 377 Child/Adolescent Nursing
- NLN Book III: Care of the Client with a Mental Disorder (6 credits)
in lieu of
NUR 388 Adult/Elderly Nursing; Mental Health Nursing
- NLN Achievement Test: Nursing Care of Adults in Special Care
Units (6 credits) in lieu of
NUR 378 Adult Elderly Nursing; Biophysical Crises

The Profile and Achievement Tests are offered four times a year on campus as well as twice a year in both West Palm Beach and St. Lucie West. R.N. students may take them in any order they choose. It is advisable to begin testing as early in the program as possible. These tests may be repeated once; if a student fails any one of the NLN exams after the second sitting, he or she will be asked to enroll in the corresponding course or a tutorial for that course.

Equivalent Credit Alternatives

Qualified R.N. students may be eligible to receive some credit in place of taking related NLN tests. These alternatives include: ACT/PEP nursing exams and national certification in an area of clinical nursing practice. Details are available from the Director of Alternative Nursing Options.

Sequence for Entering Required Nursing Courses

The following criteria must be met before an R.N. student is eligible to take the first nursing course:

- completion of all four sciences, with a minimum C grade in each, or proficiency in each with "Credit."
- completion of a minimum of 6 semester hours at Barry University;
- successful completion of NLN Mobility Profile II and NLN Achievement Test, or their equivalents.

R.N. Progression

R.N. students in the R.N. to B.S.N. Option must maintain at least 2.0 GPA and must earn at least a C in each nursing course. In order to progress in the nursing courses, the student must repeat any nursing course in which less than a C was earned. The student may not enroll in other nursing courses until receiving a grade of C or better in the repeated course.

R.N. to M.S.N. Option

R.N. Students may take a maximum of 12 credits in graduate nursing courses in lieu of some of the R.N. to B.S.N. courses. To qualify, the student must meet all other criteria for admission to and progression through the R.N. to B.S.N. Option and must have a GPA of at least 3.0.

R.N. students in the R.N. to M.S.N. Option must maintain at least a 3.0 GPA and must earn at least a B in R.N. to B.S.N. and M.S.N. courses. If a student receives less than a B in a course, the student will no longer be eligible to proceed in the R.N. to M.S.N. Option. The above policy applying to R.N. to B.S.N. students' progression will then apply.

ACCELERATED B.S.N. OPTION

Admission to the Accelerated B.S.N. Option requires:

- (1) a bachelor degree from an accredited college or university,
- (2) a minimum cumulative G.P.A. of 2.50,
- (3) at least a C in the four required sciences,
- (4) a written statement of intent, and
- (5) completion of 40 credits of prerequisite courses.
- (6) An interview may be required.

Prerequisite courses may be earned through CLEP, transfer, correspondence, or by challenging or enrolling in courses at Barry University. All nursing courses are taken full time at Barry during three 15-week terms beginning in January and ending in December.

Because time in class or clinical approximates 40 hours per week, it is not usually possible to work during the year of enrollment in nursing courses. Preparation should be made ahead of time for financing that year. Some financial aid and loans are available and some Florida residents are eligible for a tuition reduction grant. The cost for tuition and fees for the 53 credits in nursing equals that for three full-time semesters. Books, uniforms, and other requirements will be additional.

TWO-YEAR TRANSFER OPTION

Admission to the Transfer Option requires:

- (1) completion of anatomy, microbiology and biochemistry (with labs in each) without repetitions or withdrawals;
- (2) completion of a minimum of 41 credits in coursework applicable to nursing program requirements; and
- (3) 3.00 cumulative college grade point average.

Progression to the summer portion of the option requires:

- (1) at least a B in NUR 215, 225, 231, and 238;
- (2) at least a C in each liberal arts course taken with the 200 level nursing courses; and
- (3) a 3.00 cumulative college grade point average.

For accurate advising students planning to enroll in the Two-Year Transfer Option should meet with the dean of the School of Nursing while taking the science and liberal arts requirements. Early advisement will prevent unnecessary delay in admission because this program does not require completion of the associate degree.

LPN to BSN OPTION

Admission to this option requires:

- (1) at least an 80% average in LPN coursework and a 2.5 average for college courses;
- (2) current active Florida LPN license or proof of eligibility to sit for the NCLEX-PN; and
- (3) an interview with an academic advisor may be required.

This program is similar to the Basic and Two-Year Transfer Options but allows the qualified LPN to test out of nursing coursework. These courses include:

NUR 215 Pharmacology	2
NUR 225 Basic Nursing Skills	3
NUR 231 Nursing Concepts I	4
DIN 271 Nutrition in Clinical Care	3
	<hr/>
Total	12

All other coursework remains the same as the Basic Option with the addition of NUR 203, LPN Role Transition. The course sequence, part-time or full-time status, and method to earn credit for other courses will be decided between the student and his/her advisor.

GRADUATION

The student must meet all university and nursing program requirements. In compliance with the university requirement for a senior comprehensive examination, the senior students in the Basic, Accelerated, Transfer, and L.P.N Options will be required to pass the secured version of AssessTest, a major, comprehensive examination. Upon completion of all nursing program requirements, the graduate is eligible to write the National Council Licensure Examination (NCLEX-RN). As part of the licensure application process, arrest and court records of final adjudication for any offense other than a minor traffic violation must be submitted to the Board of Nursing for review. The application and records must be filed *at least 90 days before the examination date* because the student may be required to appear before the Board.

TRANSPORTATION

Students are responsible for providing their own transportation to and from all health agencies and other selected experiences such as home visits to patients, parents, and families. Car pooling is acceptable except during the community health course.

NURSING PROGRAM REQUIREMENTS: ALL OPTIONS

Distribution and Corequisite Courses: Basic, Two-Year Transfer, and L.P.N. Options (68 cr.)

- ENG 111/112 English Composition & Research
- SPE 101 Fundamentals of Speech
- BIO 220 Introductory Human Anatomy (with lab)
- BIO 240 Introduction to Human Physiology (with lab)
- BIO 253 Introductory Microbiology (with lab)
- CHE 152 Introduction to Organic and Biological Chemistry (with lab)
- MAT152 Elementary Probability & Statistics
- PSY 281 Introduction to Psychology
- PSY 382 Developmental Psychology
- SOC Any Sociology
- ANT Any Anthropology
- PHI 120 Critical Thinking
- PHI 353 Bio-Medical Ethics
- THE Any Theology
- HIS/POS/ECO Any History, Political Science or Economics course
- HUM and ARTS Three courses (9 cr.)
- DIN 271 Nutrition in Clinical Care
- CAT 110, 120, 130 or Computer Elective

Prerequisite Courses: Accelerated Option (43 cr.)

- BIO 220 Introductory Human Anatomy (with lab)
- BIO 240 Introduction to Human Physiology (with lab)
- BIO 253 Introductory Microbiology (with lab)

- CHE 152 Introduction to Organic and Biological Chemistry (& lab)
- MAT152 Elementary Probability & Statistics
- PSY 281 Introduction to Psychology
- PSY 382 Developmental Psychology
- PSY/SOC/ANT Two courses in any of these areas
- DIN 271 Nutrition in Clinical Care
- PHI/THE Any Philosophy or Theology course
- NUR/215 Pharmacology
- PHI 353 Bio-Medical Ethics (may be taken before or during the 12 months of nursing coursework)

Nursing Major: Basic, Two-Year Transfer, L.P.N., and Accelerated Options (55 cr.)

- NUR 215 Pharmacology (Prerequisite for Accelerated)
- NUR 225 Basic Nursing Skills
- NUR 231 Nursing Concepts I
- NUR 238 Nursing Concepts II
- NUR 327 Parent/Newborn Nursing
- NUR 377 Child/Adolescent Nursing
- NUR 378 Adult/Elderly Nursing: Biophysical Crises
- NUR 388 Adult/Elderly Nursing: Mental Health Nursing
- NUR 401 Research in Nursing
- NUR 481 Community Health Nursing
- NUR 496 Nursing Management

Distribution & Prerequisite Courses: R.N. to B.S.N. and R.N. to M.S.N. Options (61 cr.)

Credit

Alternatives	Descriptions
T-P	Human Anatomy + Lab
T-P	Microbiology + Lab
T-P	Biochemistry + Lab
T-P	Physiology + Lab
T-I	Statistics
T-C-I	English Composition (6 cr.)
T	Speech
T-C-I	Social/Behavioral Science electives (9 cr.)
T-C-I	Humanities and Arts electives (9 cr.)
T-I	Philosophy elective
T-I	Theology elective
T	Bio-Medical Ethics
T-I	Computer elective
T-C-I	Open Elective

<p>P = Proficiency Exams C = CLEP Exams I = Independent Study by Correspondence T = Transfer Credit</p>
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Nursing Major: R.N. to B.S.N. Option (27 cr.)

NUR	303	Professional Processes
NUR	307	Processes of Interpersonal Communication
NUR	401	Research in Nursing
NUR	448	Group/Organizational Change
NUR	480	Professional Role Seminar
NUR	481	Community Health Nursing
NUR	483	Health Assessment
NUR	496	Nursing Management

Nursing Major: R.N. to M.S.N. Option (29 cr.)

NUR	448	Group/Organizational Dynamics
NUR	481	Community Health Nursing
NUR	483	Health Assessment
NUR	496	Nursing Management
NUR	600	Nursing Theory
NUR	602	Research in Nursing
NUR	606	Dynamics of Interpersonal Relationships
NUR	608	Teaching/Learning Process or
NUR	610	Administration/Management Process
NUR	690	Role Preparation in Nursing

Course Descriptions – Nursing Prefix: NUR

LEVEL II: DEVELOPMENTAL PROCESSES IN HEALTH AND ILLNESS

203 L.P.N. Role Transition (2)

Exploration of change in role from practical to professional nurse. Includes an introduction to the philosophy, concepts, and theories which form the conceptual framework.

215 Pharmacology (2)

A survey of the principles of drug therapy which includes an introduction to the classification and characteristics of drugs. Prerequisite: NUR 231.

225 Basic Nursing Skills (3)

Introduction to nursing, the nursing process, and other integrating strands in the curriculum. Includes scientific principles and practices of basic nursing skills to be used throughout the curriculum. Focus is on the individual and incorporates a laboratory experience. Prerequisite: admission to clinical nursing courses. (\$47 fee)

231 Nursing Concepts I (4)

Utilizes and expands upon the content in Basic Skills (NUR 225) with an introduction to the systematic use of the nursing process and other integrating strands in selected clinical settings. Focus is on nursing and the adult medical-surgical client with emphasis on alterations in health and wellness, and includes an introduction to health assessment techniques, and incorporates a clinical and laboratory experience. Prerequisite: NUR 225. (\$25 fee)

238 Nursing Concepts II (8)

Continuation of the systematic use of the nursing process and other integrating strands in selected clinical settings. The focus is on nursing and the care of the adult medical-surgical client and includes the psychosocial and pathophysiological alterations in the major body systems, and applicable health assessment techniques. Clinical and laboratory experience is included. Prerequisites: NUR 215, NUR 231, BIO 240. (\$45 fee)

LEVEL III: NURSING CARE OF DEVELOPING MAN

300 Special Topics (1-3)

Content to be determined each semester by the School as requested by faculty and/or students to fill specified needs or interest.

303 Professional Processes (4) (R.N. to B.S.N. only)

Examination of the health care delivery system based on the 7 processes inherent in the curriculum: change process, communication process, management process, nursing process, professionalization process, research process, and teaching learning process. Prerequisite: Degree seeking status. Corequisite: NUR 307.

307 Processes of Interpersonal Communication (2) (RN to BSN only)

Examination of psychological factors operating within self and others which influence communication effectiveness. Corequisite: NUR 303.

327 Parent/Newborn Nursing (6)

Family centered approach to the role of nursing during the maternity cycle and neonatal period. Focus is on health assessment, stress and adaptation; the application of growth and development concepts; and on psychological and cultural factors which affect behavior during child bearing years. Experiences are provided in ambulatory and acute care settings. Prerequisites: NUR 215, NUR 238, DIN 271. (\$15 fee)

377 Child/Adolescent Nursing (6)

Family centered approach to the role of nursing during infancy, childhood and adolescence. Focus is on health assessment, stress and adaptation during illness and hospitalization; the application of growth and development concepts; and psychosocial and cultural factors which affect behavior during the pediatric years. Experiences are provided in ambulatory, community and acute care settings. Prerequisite: NUR 327, PSY 382. (\$15 fee)

378 Adult/Elderly Nursing: Biophysical Crises (6)

Extension and refocus of previously acquired knowledge of pathophysiological alterations applied to adult and elderly populations. Emphasis on clients experiencing multi-system problems. Clinical experience is in critical care facilities and includes a comprehensive health assessment. Prerequisite: NUR 377. (\$25 fee)

388 Adult/Elderly Nursing: Mental Health Nursing

Extension and refocus of previously acquired information of behavioral and psychodynamic concepts applied to clinical settings in the hospital and community. Emphasis on use of self and communications as therapeutic tools in effecting nurse-client relationships. Psychopathology explored in theory and clinical practice, to identify stressors that influence prevention, treatment and rehabilitation of psychiatric-mental health clients and their families with emphasis on the adult and elderly client. Mental health assessment assists in identification process. Prerequisite: NUR 377. (\$10 fee)

LEVEL IV: NURSING CARE OF MAN IN SOCIETY

401 Research in Nursing (2)

Introduction to principles and process of nursing practice research; study of problem identification and definition, study design, data collection techniques, interpretation and critique of research reports, and the development of abilities as an intelligent consumer of nursing research. Prerequisite: MAT 152.

448 Group/Organizational Change (2) (R.N. to B.S.N. only)

Examination of the change process with a focus on group decision-making and conflict management from the organizational perspective. Prerequisite: NUR 303.

459 Independent Study (1-3)

Opportunity for an in-depth investigation in an area of nursing of special interest to the student. Student is prime course designer assisted by a faculty member in the School of Nursing. Prerequisites: Senior status and permission of Dean.

480 Professional Role Seminar (2) (R.N. to B.S.N. only)

Examination of transition to professional role; introduction to role theory; exploration of career paths and strategies for professional development and personal growth. Prerequisite: NUR 303.

481 Community Health Nursing (6)

Focus is on health promotion and illness prevention, synthesis and application of nursing skills and theory while caring for individuals, families and aggregates as an integral part of the community. Students study public health principles, and experience an in-depth relationship with client(s) over extended period of time in variety of community settings to become familiar with the many roles of the community health nurse. Prerequisites: NUR 378 for Basic and Accelerated Options; for R.N. Option, NUR 303, 307, 483 and completion of all NLN exams. (\$15 fee)

483 Health Assessment (3)

An introduction to the concepts and skills of health assessment with focus on well adults and children. Prerequisites: BIO 220, BIO 240, BIO 253, CHE 152. (\$20 fee)

487 Seminar in Nursing (2).

Group discussion of selected topics for integration and application of major knowledge fields in nursing and related areas. Prerequisite: Senior Status.

496 Nursing Management (6)

Processes of management, planning, organizing, directing, and controlling as they relate to the professional practice of nursing. Political, economic, and legal dimensions that have an impact on current practice are examined, and predominant themes that play an integral part in nursing care delivery are addressed. Application of management concepts occurs in a health care delivery setting. Prerequisites: NUR 377, for Basic and Accelerated Options; for RN Option, NUR 303, 307, 483

DIN 271 Nutrition in Clinical Care (3)

Essentials of optimum nutrition of health and disease; macronutrients and energy metabolism; vitamins and minerals; nutrition and diet for the patient. Prerequisites: BIO 220, CHE 152.

DIVISION OF SPORTS AND LEISURE SCIENCES

G. Jean Cerra, Ph.D., Dean

DEPARTMENT OF SPORT AND RECREATIONAL SCIENCES

Michael M. Bretting, Ph.D., Chair.

Faculty: Cerra, Cramer, Ingram, Miller, Pringle, Samuel, Simmons

The Department of Sport & Recreational Sciences offers a variety of academic and recreational activities for the Barry University student. Undergraduate academic majors in Sport Management, Sports Information, Recreational Diving Management, Physical Education, Sports Medicine - Athletic Training and Sports Medicine - Exercise Science are housed within the Department. The Department also offers an extensive program of Instructional Activities in Sport and Recreation for students desiring to pursue lifetime fitness activities. Barry University's commitment to the Department of Sport & Recreational Sciences is evidenced by the recent Departmental move to the 4.5 million dollar Health and Sports Center. This facility houses a fully equipped 1800 sq. ft. Athletic Training Room, a research oriented 2,100 sq. ft. Human Performance Laboratory, an arena, a 2,200 sq. ft. Strength and Conditioning Room and classrooms for all Sport & Recreational Sciences

majors. The facility, the programs, and the faculty are steadily attracting young scholars who are enthusiastically seeking the academic and recreational opportunities offered by the department.

PHYSICAL EDUCATION

The Bachelor of Science in Physical Education is a 45 credit hour program leading to K-8 state certification or a 49 credit hour program leading to 6-12 state teaching certification. Completion of the required program in Physical Education affords the graduate a broad liberal arts background, preparation in education basic to all teaching, and a base of knowledge and skill that will allow both personal and professional development. The graduate will be able to design and teach a program of sequential learning experiences in fitness, dance, and sport activities, and will have demonstrated knowledge in the supporting areas of kinesiology, exercise physiology, and motor learning that will ensure the provision of quality learning experiences. As a prospective teacher, the student will be involved in both the University community and the larger community in order to gain a broader commitment to society and its needs. One of the very best ways to demonstrate concern for others and to accept responsibility for effecting quality change in the functioning of the mind and the body as one is to become a teacher of Physical Education.

Requirements for admission to the program are an SAT score of 840 (combined) or 19 on the ACT or a composite of 21 on the Enhanced ACT and an entry battery of physical fitness tests. Requirements to remain in the program are a GPA of 2.5 overall, a GPA of 2.7 in major coursework with no grade below a C. Exit requirements are a passing score on the battery of physical fitness tests, swimming proficiency, professional proficiency in three team/field sports and in three individual/dual sports, a passing score on the CLAST, and a passing score on the FTCE Subject Area Specialty Test.

Distribution Requirements		Total 48
MAT 152	Elementary Probability & Statistics	3
BIO 230	Human Anatomy	4
BIO 240	Human Physiology	5
Minor in Education - Professional Preparation		
EDU 151	Introduction to Education	3
EDU 218	Educational Psychology	3
EDU 441	Elementary School Curriculum or	
EDU 442	Secondary School Curriculum	3
EDU 462	Prin. of Teach. & Test. in Elementary School or	
EDU 463	Prin. of Teach. & Test. in Secondary School	3
EDU 468	Reading in the Content Area	3
EDU 491	Group Dynamics or	
EDU 414	Classroom Management	3
EDU 499	Internship	9
Total		27

Major in Physical Education K-8

PHE 201	Dance & Aerobic Activities	2
PHE 202	Elementary Games	2
PHE 203	Gymnastics & Tumbling	2
PHE 210	Introduction to HPERD	2
ISR 212	First Aid & CPR	2
SMD 220	Athletic Training I	4
SMD 310	Personal Health & Disease Prevention	3
SMD 320	Kinesiology	3
PHE 326	Principles of Motor Learning	3
SMD 330	Nutrition for Physical Performance	3
PHE 340	Adapted Physical Education	3
PHE 344	Teaching HPERD in the Elementary School	3
PHE 350	Tests and Measurement in HPERD	3
SMD 360	Exercise Physiology	4
SMA 385	Legal Aspects of Sport	3
PHE 465	Organization & Administration of HPERD	3
Total		45

Major in Physical Education 6-12

PHE 210	Introduction to HPERD	2
ISR 212	First Aid & CPR	2
SMD 220	Athletic Training I	4
PHE 275	Professional Proficiency - Aquatic Activities	
PHE 280	Professional Proficiency - Dance Activities	
PHE 285	Professional Proficiency - Indiv. & Dual Sports	6
PHE 290	Professional Proficiency - Racquet Sports	
PHE 295	Professional Proficiency - Team & Field Sports	
SMD 310	Personal Health & Disease Prevention	3
SMD 320	Kinesiology	3
PHE 324	Methods, Materials, and Communication	3
PHE 326	Principles of Motor Learning	3
SMA 327	Psychology of Sport	3
PHE 328	Practice in Coaching	1
SMD 330	Nutrition for Physical Performance	3
PHE 340	Adapted Physical Education	3
PHE 350	Tests and Measurement in HPERD	3
SMD 360	Exercise Physiology	4
SMA 385	Legal Aspects of Sport	3
PHE 465	Organization & Administration of HPERD	3
Total		49

Course Descriptions – Physical Education Prefix: PHE

201 Dance and Aerobic Activities (2)

An introductory course in rhythmic activities, folk and square dancing, and aerobic exercise activities for the elementary and middle schools.

202 Elementary Games(Including Track and Field) (2)

Indoor and Outdoor games and track and field activities for the elementary and middle schools.

203 Gymnastics and Tumbling (2)

Practice of basic gymnastics and tumbling routines; scientific principles involved in teaching gymnastics and tumbling analyses of skills. Prerequisite: Beginning Gymnastics

210 Introduction to Health, Physical Education, Recreation, Dance, and Sport (2)

Introductory information about professions in health, physical education, recreation, dance, and sport; organizations and opportunities afforded to those wishing to enter these professions; historical foundations of physical education, sport and dance; future trends, issues, and challenges in HPERD and Sport.

PHE 275 Professional Proficiency - Aquatic Activities (1)

Activities include: Canoeing, Lifeguard Training, Rowing, Sailing, SCUBA Diving, Swimming, Water Safety Instructor

PHE 280 Professional Proficiency - Dance

Activities (1) Activities include: Ballroom Dance, Jazz Dance, Modern Dance, Social, Folk and Square Dance

PHE 285 Professional Proficiency - Individual & Dual Sports (1)

Activities include: Archery, Bowling, Fencing, Golf, Handball, Judo, Wrestling

PHE 290 Professional Proficiency - Racquet Sports (1)

Activities include: Badminton, Racquetball, Squash, Tennis

PHE 295 Professional Proficiency - Team & Field Sports (1)

Activities include: Basketball, Field Hockey, Football, Gymnastics, Lacrosse, Rugby, Soccer, Softball, Speedball, Track and Field, Tumbling, Volleyball

PHE 324 Methods, Materials, and Communication (3)

Basic understandings applied to sports; common elements and transfers of learning among sports, establishment of purpose, situational variables, principles and movements to meet the needs of the learner; methods and materials used to develop active and effective learning; communication through demonstration, practice, and evaluation of performance.

PHE 325 Officiating Team and Individual Sports (2)

Knowledges and techniques of officiating; practical experience.

PHE 326 Principles of Motor Learning (3)

How and why learning of gross and fine motor skills takes place and how the learning process can be enhanced for more productive outcomes; developmental, environmental, and social factors and their influence on behavioral, instructional, and training procedures.

PHE 328 Practice in Coaching (1)

Practice of physiological and psychological principles related to training athletes; use of sound instructional strategies, athletic management, and organizational techniques applied to coaching. (Each credit is equal to a 45 hour experience.)

PHE 344 Teaching HPERD in the Elementary School (3)

Methods, content materials, and organizational procedures for conducting elementary school health and physical education programs; practice in teaching activities. Field experience.

PHE 340 Adapted Physical Education (3)

Study of physical and mental disabilities, corrective and therapeutic exercises; facilities, equipment, and physical education/recreational programs adapted for the disabled person.

PHE 350 Tests and Measurement in HPERD (3)

Elementary application of tests, measurements, research design, and statistical methods as they relate to HPERD and Sport Sciences. Prerequisite: MAT 152

PHE 465 Organization and Administration of HPERD and Sport Sciences (3)

Study of desirable standards, policies, and practices in the organization, supervision, and administration of physical education, recreation, dance, and sport programs; need for community cooperation in attaining the objectives of HPERD and Sport programs.

RECREATIONAL DIVING MANAGEMENT

The Bachelor of Science Degree in Recreational Diving Management consists of 40 credit hours of interdisciplinary coursework primarily from the recreational diving management curriculum. It has been developed with a two-track format, and students may follow either track. A 21 credit hour minor in Business is required of both tracks. The diving courses lead to internationally recognized certifications in the various study areas. The minimum grade of C is required in all major courses.

Track 1 is designed to prepare the student for careers in the instructional and retailing industries. Courses listed assume that the student has at least an Open Water SCUBA Certification from a nationally recognized Diver Training Agency before beginning the major. The SCUBA Instructor Course (RDM 404) meets the integrative experience requirement.

Track 2 is designed to meet the continuing professional growth needs of the diving professional who is already certified as a SCUBA Instructor by any of the various nationally recognized diver training agencies. The student entering Track 2 must be fully certified as an Instructor with current "teaching" status prior to acceptance into the program. Because of the nature of the program, the Track 2 student must remain in current active "teaching" status, and carry professional liability insurance which includes the University as additional insured. The Instructional Staff course (RDM 405) meets the integrative requirement.

All students in the Recreational Diving Management Program will be required to obtain a yearly physical exam for diving. Students entering the program for the first time should obtain a standardized form from Barry University (required) and acquire the physical exam prior to their arrival on campus.

Track 1**Distribution Requirements****Total 43**

ART 203	Basic Photography	3
MAT 108	Precalculus Mathematics for Business	3
MAT 152	Elementary Probability and Statistics	3
BIO 220	Human Anatomy	4
	Social/Behavioral Sciences	6

Minor in Business

BUS 181	Concepts of Business Behavior	3
ACC 201	Principles of Accounting I	3
ECO 201	Principles of Economics I	3
MGT 305	Management Concepts and Applications	3
MKT 306	Marketing Concepts and Applications	3
	Choice of two electives: BUS 339, 371, MGT 409 or MKT 384	6
	TOTAL	21

Major in Recreational Diving Management - Track 1

CAP 180	Introduction to Computers	3
PHE 210	Introduction to HPERD	2
RDM 222	First Aid for Diving	3
RDM 230	Recreational Diving Theory I	3
RDM 240	Recreational Diving Theory II	3
RDM 304	Recreational Diving Specialties	3
RDM 308	Underwater Photography	3
RDM 314	SCUBA Equipment Repair & Maintenance	3
RDM 325	Seamanship	2
SMD 360	Exercise Physiology	4
RDM 365	Hyperbaric & Environmental Physiology	3
SMA 385	Legal Aspects of Sport	3
RDM 400	Dive Store Retailing	2
RDM 404	SCUBA Instructor	3
	TOTAL	40

Electives (recommended for Track 1 and 2)

MKT 382	Advertising	3
BUS 339	Business Law I	3
	Electives	10
	TOTAL	120

Track 2

Distribution Requirements		Total	43
ART 203	or ART 303 or ART 304		3
MAT 108	Precalculus Mathematics for Business		3
MAT 152	Elementary Probability and Statistics		3
BIO 220	Introduction to Human Anatomy		4
	Social/Behavioral Science		6

Minor in Business

BUS 181	Concepts of Business Behavior		3
ACC 201	Principles of Accounting I		3
ECO 201	Principles of Economics I		3
MGT 305	Management Concepts & Applications		3
MKT 306	Marketing Concepts & Applications		3
	Choice of two electives:		
	BUS 339, 371, MGT 409, or MKT 384		6
TOTAL			21

Major in Recreational Diving Management - Track 2

CAP 180	Introduction to Computers		3
PHE 210	Introduction to HPED		2
RDM 222	First Aid for Diving		3
RDM 230	Recreational Diving Theory I		3
RDM 241	Teaching Rescue Diver and Divemaster		3
RDM 305	Teaching Rec. Diving Specialties		3
RDM 309	Teaching Underwater Photography		3
RDM 314	SCUBA Repair and Maintenance		3
RDM 325	Seamanship		2
SMD 360	Exercise Physiology		4
RDM 365	Hyperbaric & Environmental Physiology		3
SMA 385	Legal Aspects of Sport		3
RDM 400	Dive Store Retailing		2
RDM 405	Instructional Staffing		3
TOTAL			40

Recreational Diving Operations Minor

The minor in Recreational Diving Operations requires a minimum of 24 credits. Students must successfully complete 12 credits of RDM certification courses, and an additional 7 credits in diving career-related courses and the remaining credits from the list of appropriate electives. A co-requisite of MAT 152 is required for the minor.

Required Diving Certification Courses

RDM 230	Recreational Diving Theory I	3
RDM 240	Recreational Diving Theory II or	
RDM 241	Teaching Rescue and Divemaster	3
RDM 314	SCUBA Repair and Maintenance	3
RDM 404	SCUBA Instructor or	
RDM 405	Instructional Staffing	3

Required Diving-Career Related Courses

RDM 222	First Aid for Diving	3
BIO 220	Introductory Human Anatomy	4
	Choice of Electives (Choose any two)	
RDM 400	Dive Store Retailing	2
CAP 180	Introduction to Computers	3
BUS 181	Concepts of Business Behavior	3
ACC 201	Principles of Accounting I	3
ECO 201	Principles of Economics I	3
BUS 339	Business Law I	3
RDM 365	Hyperbaric & Environmental Physiology	3
	Any Marketing or Management Courses (appropriate prerequisites as required)	5-6
	TOTAL	24

COURSE DESCRIPTIONS – Recreational Diving Management

Prefix: RDM

222 Diving First Aid (3)

A first aid course which initially discusses general first aid measures, then links proper procedures and techniques to first aid in an aquatic/diving environment. Topics include primary, secondary and illness assessment, avoidance of and care for marine life hazards, Cardiopulmonary Resuscitation (CPR), first aid for pressure related accidents and theories and descriptions of long term diving-related disorders. Successful students are eligible for Medic First Aid Certification. Special course fee and certification fee. Open only to RDM students, or with permission of instructor.

230 Recreational Diving Theory I (3)

As the base course required of all RDM majors (Track I and Track II) it provides an extensive overview of various topic areas related to the major. Subjects of discussion include an introduction to various specialty diving issues, navigational techniques, altitude diving theory, physics of the diving environment, and an introduction to physiological concerns. Open water experiences include familiarization with local diving techniques, wreck diving and surveying, navigational techniques at the professional level, deep diving and night diving. Successful students are eligible for Advanced levels of diver certification. Prerequisites: RDM major or minor, or permission of the instructor Open Water level certification from a recognized diver training agency; recommended: MAT 108 or equivalent. Special course fee and certification fee.

236 Underwater Archaeological Methods (3)

A field course that explores how the diver can assist in the excavation of a submerged archaeological site. Topics include an introduction to the submerged cultural resources of Florida, archaeological mapping and surveying, coping with low visibility sites, preservation techniques and research methodology as it pertains to the archaeological assistant. Course includes field experiences in both shallow and deeper water sites. Prerequisite: ISR 155 or Open Water-level certification from a nationally recognized diver training agency. Special course fee and certification fee.

240 Recreational Diving Theory II (3)

Continuation and augmentation of information presented in RDM 230. Theoretical information includes Haldanian decompression theory, management of diving groups, supervision of divers in training and non-training situations, and control of groups from the perspective of an instructional assistant and divemaster. Successful students are eligible for internationally recognized certification as Rescue Diver and Divemaster. Prerequisite: RDM 230 with a grade of "C" or better and certification as an Advanced Open Water Diver, RDM 222 with a grade of "C" or better and current first aid/CPR certification, or permission of the instructor.

241 Teaching Rescue and Divemaster (3)

A combination lecture/lab course which assists the Track II RDM student in developing a successful educational approach to teaching student divers in the field of Rescue Diving and Divemastering. The lecture course is taken concurrently with the lab portion of RDM 240 (required) so that students may observe and participate in the training of actual rescue and divemaster candidates. Prerequisites: Open Water Instructor Certification from a nationally recognized agency, meet Track II insurance requirements, RDM 230 and RDM 222 with a grade of "C" or better, current certification in first aid and CPR. Special course fee.

301 Artificial Reef Orientation (3)

A course in which the student explores the use and construction of artificial reefs. Topics include an overview of the use of artificial reefs in the local area, baseline study techniques for placing reefs in the local environment, and an underwater research project on an established artificial reef. Prerequisites: ISR 213 or Advanced Open Water certification from a nationally recognized diver training agency or permission of the instructor. Special course fee and certification fee.

304 Recreational Diving Specialties (3)

Designed to educate individuals in four highly marketable and interesting areas of specialty diving. Principles and practices of deep diving (within specified limits), wreck diving or enclosed area diving, and night diving are thoroughly examined. One additional specialty area is designated by the instructor of the course. Open water experiences take place in both local waters and in the Bahamas. Prerequisites: RDM 230 with a grade of "C" or better (or permission of the instructor), and an Advanced Open Water certification from a nationally recognized diver training agency. Special course fee and certification fee.

305 Teaching Recreational Diving Specialties (3)

A course which educates the Track II RDM student in the planning, organizing, directing and implementation phases of conducting courses in four diving specialty areas. Subjects include teaching techniques, pricing of the specialty course, marketing and promotion, and safety techniques. The course is taken concurrently with the lab portion of RDM 304 (required) so that students may be directly involved with the actual education of student-level divers—in the various specialties. The course leads to certification as a specialty instructor in the subject areas. Prerequisites: RDM 230 with a grade of "C" or better, Instructor certification from a nationally recognized diver training agency, must meet Track II insurance requirements. Special course fee and certification fee.

306 Research Diving (3)

Explores the various ways that divers can contribute to gains in scientific knowledge. The course looks at techniques of research underwater including physical and biological surveying, archaeological research in a submerged environment, geologic sampling, and the geology and paleontology of the Florida environment. Course includes exploration of the Florida Peninsula and its aquatic geology. Prerequisite: ISR 213 or Advanced Level diving certification or permission/arrangements through the instructor. Special course fee and certification fee.

308 Underwater Photography (3)

Designed to give the student a solid background in one of the most rapidly advancing and highly marketable specialty certifications in the diving industry, the course explores camera operation and function, mixing of artificial and natural light, filter usage underwater, composition, macrophotography, and normal lens underwater photography. Prerequisites: ISR 155 or open-water certification from a nationally recognized diver training agency, ART 203, or permission of the instructor. Students are expected to provide a complex underwater camera compatible with University-owned artificial light sources. Special course fee and certification fee.

309 Teaching Underwater Photography (3)

A course which educates the Track II RDM major in the proper techniques of teaching underwater photography. Lecture information covers principles of underwater photography and techniques for teaching this highly marketable course. Students take the lab portion of RDM 308 (required) in order to participate in the training of actual underwater photography students. Prerequisites: Instructor certification from a nationally recognized diver training agency, ART 203 or permission of the instructor.

314 SCUBA Equipment Repair and Maintenance (3)

Provides the RDM major with the opportunity to attain certification in the repair of SCUBA life-support equipment. Students will receive instruction in the theory and design of regulators, tanks and valves, inflation mechanisms, depth indicators and diving computers (including Haldanian principles). Manufacturer's representatives participate in "clinics" that detail maintenance of specific types of equipment, and the successful student receives a certificate of completion at the end of the individual manufacturer's seminar. Students also learn to trouble-shoot in the field and to adapt equipment to meet the special needs of the individual diving environment. Prerequisite: RDM 240 or RDM 241 with a grade of "C" or better. Special course fee and certification fee.

325 Seamanship (2)

An introduction to seamanship as it pertains to the divemaster and instructor. Topics include the theories of coastal navigation, basic "rules of the road", U.S.C.G. licensing requirements and marlinespike seamanship. Course content is designed to acquaint the student with the needs and requirements of a boat operator in the diving business. Prerequisite: RDM 240 or 241 with a grade of "C" or better. Special course fee and certification fee.

365 Hyperbaric and Environmental Physiology (3)

Designed to familiarize the student with the physiology of the human body under various hypo- and hyperbaric conditions, the course provides an opportunity to study, in detail, the changes in various body systems under several environmental conditions and the consequences of those changes. Provides detailed treatment protocols and procedures for pressure-related accidents and information regarding the reaction of certain chemical substances within the body while under pressure. Prerequisites: RDM 230 with a grade of "C" or better, BIO 230, SMD 360.

400 Dive Store Retailing (2)

Designed to provide the information and tools necessary to research and establish a successful diving retail business. Topics include the diving consumer, the diving market and its evolution, the typical store profile, legal forms of business, financing an operation, merchandising, diving instruction and dive travel in the store, and advertising. Prerequisites: BUS 181, MAT 108, MGT 305.

404 SCUBA Instructor (3)

Designed to develop the Track I student's ability to teach SCUBA diving at the open water level. It also serves as an introduction to instruction at the Advanced, Rescue and Divemaster levels. Students are evaluated on their diving knowledge and ability to present information to the target student group. Example presentations by staff serve as guidelines from which students will gain the required level of expertise. Students who successfully complete this course will be eligible to participate in an internationally recognized testing process from which they may be certified as SCUBA Instructors. Prerequisites: RDM 240 with a grade of "C" or better, at least 18 credit hours completed within the major, RDM 325 with a grade of "C" or better, SMA 385, RDM 400. Special course fee and certificate fee.

405 Instructional Staffing (3)

Designed to allow the Track II student the opportunity to participate in, evaluate, and observe the training of new diving instructors. Students attend special lecture sessions prior to participation in the classroom, confined water and open water portions of RDM 404. Students must attend both the lecture portion and the complete RDM 404 course. Subjects include an orientation of instructional philosophies and systems, how to conduct an instructor course and how to market those courses within established business channels. Prerequisites: SMA 385, RDM 241, 325 and 400 with a grade of "C" or better, Instructor certification from a nationally recognized diver training agency, must meet Track II insurance requirements.

492 Workshop (1-3)**459 Independent Study (1-3)****SPORT MANAGEMENT**

The Bachelor of Science Degree in Sport Management prepares students for an entry level position within the professional, collegiate, corporate, commercial, or recreational sport industry, and for graduate study. The Sport Management program requires 42 credit hours in the major and requires a 21 credit minor in Business with co-requisite courses in Communications and Computer Science. The minimum grade of C is required in all major courses. Upper biennium courses are offered on a two-year cycle. SMA 499 (Internship) meets the integrative experience requirement.

Distribution Requirements		Total	46
MAT 108	Precalculus Math for Business		3
MAT 152	Elementary Probability & Statistics		3
BIO 220	Introduction to Human Anatomy		4
Prerequisites			
COM 200	Introduction to Mass Media		3
CAP 180	Introduction to Computers		3
TOTAL			6
Minor in Business			
BUS 181	Concepts of Business Behavior		3
ACC 201	Financial Accounting I		3
ECO 201	Principles of Economics I		3
MGT 305	Management Concepts & Applications		3
MKT 306	Marketing Concepts & Applications		3
Choice of two electives:			
BUS 339, 371, MGT 409 or MKT 384			6
TOTAL			21
Major in Sport Management			
PHE 210	Introduction to HPERD		3
SMA 250	Sport and Recreational Management		3
FIN 319	Financial Management		3
SMA 327	Psychology of Sport		3
SMA 330	Sociology of Sport		3
SMD 360	Exercise Physiology		4
SOC 370	Social Psychology		3

SMA 380	Facility and Event Management	3
SMA 385	Legal Aspects of Sport	3
COM 390	Principles of Public Relations	3
SMA 440	Sport Marketing, Promotion & Fund Raising	3
PHE 465	Organization & Administration of HPERD	3
SMA 487	Senior Seminar	3
SMA 499	Internship	3-6
TOTAL		42
Electives		11
TOTAL		120

Course Descriptions – Sport Management Prefix: SMA

250 Sport and Recreational Management (3)

Organization and administration of groups and individuals in sports and recreation; application of theories of management and administration to sports and recreation.

327 Psychology of Sport (3)

Investigation of typical areas in theoretical and applied sport psychology which are relevant to athletic performance and general physical activity involvement. Prerequisite: PSY 281 (Also PSY 327)

330 Sociology of Sport (3)

To examine through a sociological perspective, the implications and consequences of the way sport impacts and interacts within society. Prerequisite: SOC 201 (Also SOC 330)

359/459 Independent Study (3)

Opportunity for directed research in areas of interest to student. Dean and Departmental Chair approval required.

380 Facility and Event Management (3)

To include knowledge of the various types of indoor and outdoor facilities, fiscal management, technological advances in equipment, planning of facilities, and event management.

385 Legal Aspects of Sport (3)

Legislation affecting amateur, professional, and recreational sport and the legal ramifications of various aspects of sport administration.

440 Sport Marketing, Promotions, and Fundraising (3)

An investigation of the principles, applications, and techniques of marketing, promotions, corporate sponsorship, and fundraising within the various sporting industries. Prerequisite: MKT 306.

487 Senior Seminar (3)

Coursework includes integration of SMA courses, professional presentation and preparation, and application of major knowledges to successful management of sport and recreational enterprises.

499 Internship (3)

Senior level supervised experience in amateur or professional sports management. Requires a minimum of 120 hours.

SPORTS INFORMATION

The Bachelor of Science Degree in Sports Information requires 53 credit hours of interdisciplinary study from Communications, Public Relations, Journalism, and Sport Sciences. Students are urged to minor in Journalism, Public Relations, Fine Arts (Photography/Graphics), or English. Only 9 credits of the Sports Information major may be applied toward another major or minor. The minimum grade of C is required

in all courses. Upper biennium level courses are offered on a two-year cycle. SPO 499 meets the integrative experience requirement.

Distribution Requirements		Total	46
MAT 108	Precalculus Math for Business		3
MAT 152	Elementary Probability & Statistics		3
BIO 220	Introduction to Human Anatomy		4

Major in Sports Information

COM 200	Introduction to Mass Media		3
JOU 208	Techniques of Reporting		3
PHE 210	Introduction to HPERD		2
SMA 250	Sport and Recreation Management		3
JOU 309	Sports Writing		3
SMA 327	Psychology of Sport		3
SMA 330	Sociology of Sport		3
SPO 351	Media Relations in Sport		3
SMA 380	Facility and Event Management		3
SMA 385	Legal Aspects of Sport		3
COM 390	Principles of Public Relations		3
COM 391	Case Studies in Public Relations		3
SMA 440	Sport Marketing, Promotion, & Fund Raising		3
SMA 487	Senior Seminar		3
SPO 499	Internship		3

3 additional courses from one of three areas shown below:

Broadcasting:			3
COM 204	Writing for the Media		
COM 214	Television Production		
COM 491	Television Direction		

Photography/Graphics:			3
ART 203	Basic Photography		
ART 205	Introduction to Graphic Design		
ART 303	Intermediate Photography		

Journalism:			3
JOU 242	News Writing		
JOU 315	Photojournalism		
JOU 470	Seminar in Journalism		

TOTAL		<hr/>	53
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Electives		<hr/>	21
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TOTAL		<hr/>	120
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Course Description – Sports Information Prefix: SPO

351 Media Relations in Sport (3)

A detailed study of professional and collegiate sports and their relationship with the various media outlets. (Also COM 351)

359/459 Independent Study (3)

Opportunity for directed research in areas of interest to student. Dean and Departmental Chair approval required.

499 Internship (3)

Senior level supervised experience in amateur or professional sports information. Requires a minimum of 120 hours. Dean and Departmental Chair approval required.

SPORTS MEDICINE

The Bachelor of Science Degree in Sports Medicine is comprised of two distinct academic tracks. These tracks encompass a comprehensive view of the field of Sports Medicine and each has its unique program characteristics and future career opportunities. The two tracks are **Athletic Training** and **Exercise Science**. Additionally, there is a **Sports Medicine/Exercise Science Minor** that is appropriate for Pre-professional and/or Science Majors interested in pursuing a career in Sports Medicine.

Sports Medicine - Athletic Training Track

The Bachelor of Science Degree in Sports Medicine- Athletic Training requires 60 credit hours of study from the Department of Sport and Recreational Sciences. This course of study prepares the student for certification as an Athletic Trainer (A.T.,C.) by the National Athletic Trainers Association (N.A.T.A.). The student must apply separately for entry into the clinical portion of the program. The minimum grade of "C" is required in all major courses. All upper biennium courses are offered on a two-year cycle. SMD 499 (Internship) meets the integrative experience requirement.

Distribution Requirements		Total	47
MAT 152	Elementary Probability and Statistics	3	
CHE 152	Introduction to Organic and Biological Chemistry	4	
BIO 230	Human Anatomy	4	

Major in Sports Medicine - Athletic Training

PHE 210	Introduction to HPERD	2
ISR 212	First Aid and CPR	2
SMD 220	Athletic Training I	4
SMD 225	Athletic Training II	4
BIO 240	Introduction to Human Physiology	5
SMD 305	Athletic Training Administration	3
SMD 310	Personal Health and Disease Prevention	3
SMD 316	Therapeutic Modalities	3
SMD 318	Therapeutic Exercise	3
SMD 320	Kinesiology	3
SMA 327	Psychology of Sport	3
SMD 330	Nutrition for Physical Performance	3
PHE 340	Adapted Physical Education	3
PHE 350	Tests and Measurement in HPERD	3
SMD 360	Exercise Physiology	4
SMA 385	Legal Aspects of Sport	3
SMD 469	Directed Readings in Sports Medicine or	

SMD 479	Directed Research in Sports Medicine	3
SMA 487	Senior Seminar	3
SMD 499	Internship	<u>3-6</u>
TOTAL		60

Recommended Electives

SMD 420	Biomechanics	4
SMD 440	Cardiac Rehabilitation	4
SMD 460	Advanced Exercise Physiology	4

All course requirements for certification by N.A.T.A. are included in this track. To satisfy N.A.T.A. requirements, the student must complete 1500 hours of supervised clinical experiences prior to sitting for the N.A.T.A. certification examination. Students accepted into the clinical portion of the program are required to take the N.A.T.A. Board of Certification Examination upon completion of the major.

Sports Medicine - Exercise Science Track

The Bachelor of Science Degree in Sports Medicine- Exercise Science requires a 48 credit hour course of study from the Department of Sport and Recreational Sciences and the School of Natural and Health Sciences. A major in Sports Medicine - Exercise Science prepares the student for certification by the American College of Sports Medicine (A.C.S.M.) in a variety of professional areas. The student is required to take the A.C.S.M. Health Fitness Instructor Certification Examination prior to graduation. The minimum grade of "C" is required in all major courses. Upper biennium courses are offered on a two-year cycle. SMD 499 Internship meets the integrative experience requirement.

Distribution Requirements

Requirements within Math and Natural Science:

PHY 151	Introductory Physics	4
MAT 152	Elementary Probability and Statistics	3
CHE 152	Introduction to Organic and Biological Chemistry	<u>4</u>
TOTAL		47

Major in Sports Medicine - Exercise Science

BIO 116	Zoology	4
PHE 210	Introduction to HPERD	2
BIO 230	Human Anatomy	4
SMD 320	Kinesiology	3
SMA 327	Psychology of Sport	3
SMD 330	Nutrition for Physical Performance	3
PHE 350	Tests and Measurement in HPERD	3
SMD 360	Exercise Physiology	4
SMA 385	Legal Aspects of Sport	3
SMD 420	Biomechanics	4
SMD 440	Cardiac Rehabilitation	4

SMD 460	Advanced Exercise Physiology	4
SMD 469	Directed Readings in Sports Medicine or	
SMD 479	Directed Research in Sports Medicine	3
SMD 486	Colloquium in Sports Medicine	1
SMD 499	Internship	3-6
TOTAL		48

Sports Medicine - Exercise Science Minor

Those students minoring in Sports Medicine Exercise Science must meet the following requirements:

SMD 320	Kinesiology	3
PHE 350	Tests and Measurement in HPERD	3
SMD 360	Exercise Physiology	4
SMD 420	Biomechanics	4
SMD 440	Cardiac Rehabilitation	4
SMD 460	Advanced Exercise Physiology	4
TOTAL		22

Course Descriptions – Sports Medicine Prefix: SMD

220 Athletic Training I (4)

Application of accepted first aid techniques to personal injury in sports; basic techniques of injury prevention and taping for exercise activities and remedial activity; laboratory included.

225 Athletic Training II (4)

Advanced techniques of evaluation and emergency management, laboratory included. Prerequisite: SMD 220.

305 Athletic Training Administration (3)

Administrative organization and procedures for the development and implementation of athletic training, physical therapy, and associated laboratory and clinical facilities. Prerequisites: SMD 220, SMD 225.

310 Personal Health and Disease Prevention (3)

Epidemiology of disease determinants, including identification and intervention in disease processes. Major emphasis on nutrition, wellness, exercise, and health.

316 Therapeutic Modalities (3)

A study of sports therapy physical agents used in athletic training techniques such as cryotherapy, hydrotherapy, electrotherapy, and mechanical therapy. Prerequisites: SMD 220, SMD 225.

318 Therapeutic Exercise (3)

A study of clinical sports therapy techniques used in the rehabilitation and reconditioning of athletic injuries. Prerequisites: SMD 220, SMD 225.

320 Kinesiology (3)

The study of human movement with reference to sport, dance, physical education, and adapted movement activities. Prerequisite: BIO 230.

330 Nutrition for Physical Performance (3)

The study of nutrition, diet analysis, biochemical processes in energy metabolism, nutrition and health problems, and nutrition as it relates to physical performance. Prerequisite: CHE 152.

360 Exercise Physiology (4)

Physiological responses and adaptations of the various systems of the body to exercise stress. Lab fee required. Prerequisites: BIO 220 or BIO 230.

420 Biomechanics (4)

Advanced physical science and laboratory techniques in studying human movement. The major emphasis of the course is on the kinetics and kinematics of movement. Lab fee required. Prerequisites: PHY 151, SMD 320.

440 Cardiac Rehabilitation (4)

Pathophysiology of cardiopulmonary disease and the physiological and technical basis of graded exercise tolerance testing, exercise prescription, and exercise leadership for individuals with cardiopulmonary disease. Lab fee required. Prerequisite: SMD 360.

460 Advanced Exercise Physiology (4)

Exercise biochemistry, ergometrics, bioenergetics, muscle physiology, anthropometry, and selected current topics in the literature. An in-depth laboratory experience is included. Lab fee required. Prerequisites; CHE 152, SMD 360.

469 Directed Readings in Sports Medicine (3)

Directed library research and readings in sports medicine to prepare for A.C.S.M. or N.A.T.A. certification examinations. Prerequisite: Permission of Chair.

479 Directed Research in Sports Medicine (3)

Advanced practical experience in sports medicine field research under the direct supervision of faculty. Prerequisite: Permission of Chair.

486 Colloquium in Sports Medicine (1)

A professional seminar in sports medicine designed to review the most current research in the field and present research findings from directed research projects. This course may be repeated for credit. Prerequisite: Permission of Chair.

499 Internship: Sports Medicine (Ath.Train./Ex.Sc.) (3-6)

Participate and report on a comprehensive integrative experience in sports medicine through a research laboratory, clinical situation, or other approved experience at a local sports medicine facility. Prerequisite: Permission of Chair.

Coaching Minor

This 24 semester hour minor is designed to provide the subject area major with a cognitive, theoretical, and practical experience that will enable the student to receive the coaching endorsement on the state teaching certificate.

Minor in Coaching

SMD 220	Athletic Training I	4
SMD 320	Kinesiology	3
PHE 325	Officiating Team & Individual Sports	2
SMA 327	Psychology of Sport	3
PHE 328	Practice of Coaching (two 45 hour experiences)	2
SMD 360	Exercise Physiology	4
SMA 380	Facility & Event Management	3
SMA 385	Legal Aspects of Sport	3
TOTAL		24

NON-DEGREE PROGRAM**INSTRUCTIONAL ACTIVITIES IN SPORT AND RECREATION**

The program of courses focuses on general fitness, lifetime sport and recreational opportunities. Offering diversity in choice, the program provides instructional and recreational experiences available to the entire University community. Courses are designed to promote physical and mental well-being through the development of a lifestyle that includes physical activity. The variety of activities and skill levels affords each student a choice to suit individual needs and desires. The student has the opportunity to develop competency in selected activities in order to maintain fitness for living, to provide a foundation for worthy use of leisure time, and to prepare for life long recreational involvement.

Course Offerings – Prefix: ISR

All 100 level courses are two semester hours of credit. Activities may have a special course fee.

ISR 101	Aerobic Exercise
ISR 110	Archery
ISR 112	Badminton
ISR 114	Board Sailing
ISR 115	Bowling
ISR 120	Canoeing
ISR 125	Fencing
ISR 130	Golf
ISR 135	Judo and Self-Defense
ISR 140	Physical Fitness Principles
ISR 145	Physical Fitness Running and Jogging
ISR 147	Racquetball
ISR 150	Sailing
ISR 155	Skin and SCUBA Diving
ISR 160	Swimming
ISR 165	Tennis
ISR 170	Strength Training
ISR 211	Lifeguard Training
ISR 212	First Aid and CPR
ISR 213	Advanced SCUBA Activities
ISR 214	Water Safety Instructor
ISR 300	Special Topics

Course Descriptions – Instructional Activities in Sport and Recreation Prefix: ISR

211 Lifeguard Training (2)

Personal safety, self-rescue, and rescue of others in, on and around the water; Provides minimum skills necessary for qualification as a non-surf lifeguard. American Red Cross Lifeguard Training Certificate. Prerequisite: ISR 212.

212 First Aid and CPR (2)

American Red Cross Standard First Aid, Adult CPR, Infant and Child CPR, and Basic Life Support - Professional Rescuer Certifications.

213 Advanced SCUBA Activities (2)

Designed to educate entry-level divers and non-RDM majors in advanced diving theories and techniques. Lecture topics include diving physiology, U/W navigation and diving techniques for special environments. Activities include night dives, deep dives (within specified limits) specialty dives, search and recovery dives, and skill enhancing pool sessions. Students successfully completing the course will receive an advanced open water certification from a nationally recognized diver training agency. Prerequisite: ISR 155 and Open Water SCUBA Certification or Basic SCUBA Certification and permission of the instructor.

214 Water Safety Instructor (3)

Methods of teaching swimming and water safety; American Red Cross Water Safety Instructor Certification. Prerequisite: ISR 211, 212.

300 Special Topics (1-3)

Content to be determined each semester by the Department as requested by faculty and/or students to fill specified needs or interests.

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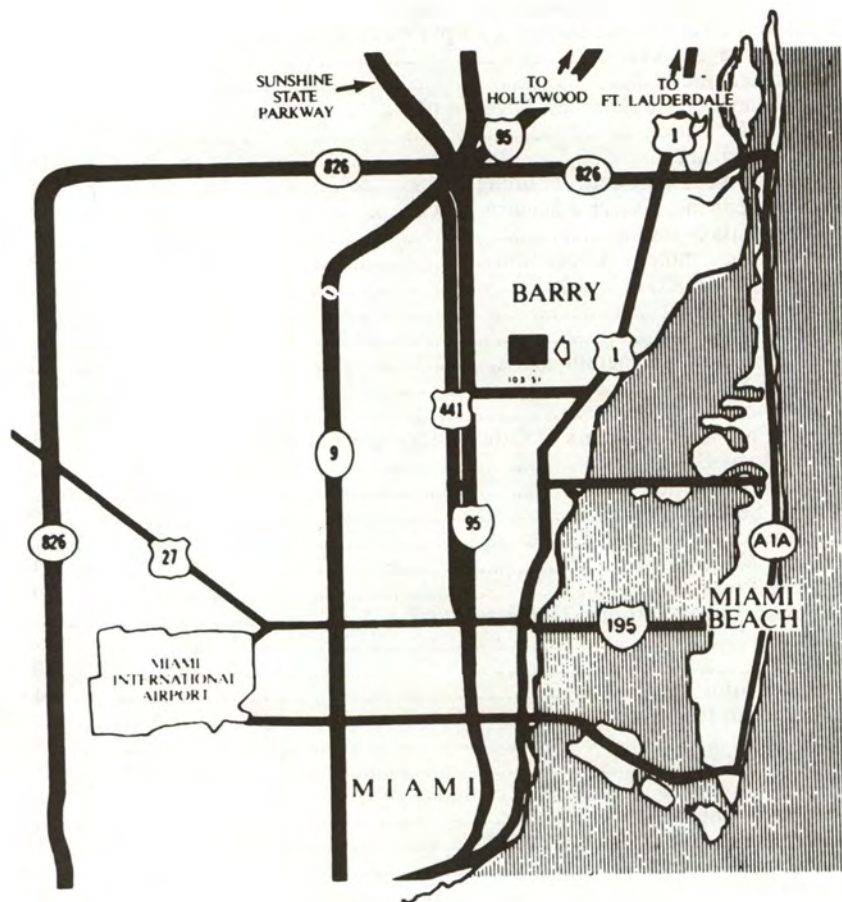
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